

# **Citrix Provisioning Services 7.15 PowerShell (Deprecated) Programmer's Guide**

Revision 1

August 2017

## **Copyright and Trademark Notice**

Information in this document is subject to change without notice. Companies, names, and data used in examples herein are fictitious unless otherwise noted. Other than printing one copy for personal use, no part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without the express written permission of Citrix Systems, Inc.

Copyright 2001—2017 Citrix Systems, Inc. All rights reserved.

Citrix, ICA (Independent Computing Architecture), NetScaler, and Program Neighborhood are registered trademarks; Citrix Presentation Server, Citrix Access Essentials, Citrix Access Gateway, Citrix Password Manager, Citrix Application Firewall, Citrix Application Gateway, Citrix Provisioning Services, Citrix Streaming Profiler, Citrix Streaming Client, Citrix Streaming Service, Citrix EdgeSight, Citrix WANScaler, Citrix SmoothRoaming, Citrix Authorized Learning Center, Citrix Subscription Advantage, Citrix Technical Support, and Speed Screen are trademarks of Citrix Systems, Inc. in the United States and other countries.

Copyright RSA Encryption 1996—1998 RSA Security Inc. All rights reserved.

## Table of Contents

Introduction .....	14
Using the PowerShell Programmer Interface (Deprecated) .....	14
Installation of PowerShell Snap-In .....	14
Registration of McliPSSnapIn.dll using Import-Module .....	14
Registration of McliPSSnapIn.dll using Add-PSSnapin.....	14
64-bit Registration .....	14
32-bit Registration .....	14
Alternative Registration of McliPSSnapIn.dll in PowerShell.....	15
64-bit Registration in PowerShell .....	15
32-bit Registration in PowerShell .....	15
Uninstall of PowerShell Snap-In.....	15
Unregister of McliPSSnapIn.dll .....	15
64-bit Unregister.....	15
32-bit Unregister.....	15
Alternative Unregister of McliPSSnapIn.dll in PowerShell .....	15
64-bit Unregister in PowerShell.....	15
32-bit Unregister in PowerShell.....	16
Setup of the SOAP Server Communication.....	16
Mcli-Run SetupConnection .....	16
PowerShell Snap-In Command Types .....	16
Mcli-Add.....	16
Short Description.....	16
Detailed Description .....	16
Input Type .....	17
Input Type Description .....	17
Return Type .....	17
Return Type Description .....	17
Parameters .....	17
Help Example.....	18
Add Device Example.....	20
MCLI-Delete .....	20

Short Description.....	20
Detailed Description .....	20
Input Type .....	20
Input Type Description .....	21
Return Type .....	21
Return Type Description .....	21
Parameters .....	21
Help Example.....	22
Delete Device Example.....	22
Mcli-Get .....	22
Short Description.....	22
Detailed Description .....	23
Input Type .....	23
Input Type Description .....	23
Return Type .....	26
Return Type Description .....	26
Parameters .....	26
Help Example.....	27
Get Device All Example .....	30
Get Device Example .....	31
Mcli-Help.....	32
Short Description.....	32
Detailed Description .....	32
Input Type .....	33
Input Type Description .....	33
Return Type .....	33
Return Type Description .....	33
Parameters .....	33
Help Example.....	33
MCLI-Info.....	35
Short Description.....	35
Detailed Description .....	35
Input Type .....	35

Input Type Description .....	35
Return Type .....	35
Return Type Description .....	35
Parameters .....	36
Help Example.....	36
Info Version Example .....	36
MCLI-Run .....	37
Short Description.....	37
Detailed Description .....	37
Input Type .....	37
Input Type Description .....	37
Return Type .....	40
Return Type Description .....	40
Parameters .....	40
Help Example.....	41
Run PromoteDiskVersion Example .....	42
MCLI-RunWithReturn .....	42
Short Description.....	42
Detailed Description .....	42
Input Type .....	42
Input Type Description .....	43
Return Type .....	44
Return Type Description .....	44
Parameters .....	44
Help Example.....	45
RunWithReturn DeviceCount Example .....	45
MCLI-Set .....	46
Short Description.....	46
Detailed Description .....	46
Input Type .....	46
Input Type Description .....	46
Return Type .....	47
Return Type Description .....	47

Parameters .....	47
Help Example.....	47
Set Device Example.....	50
MCLI-SetList.....	50
Short Description.....	50
Detailed Description .....	50
Input Type .....	51
Input Type Description .....	51
Return Type .....	51
Return Type Description .....	51
Parameters .....	51
Help Example.....	51
SetList DevicePersonality Example.....	52
Short command list.....	52
Mcli-Add.....	52
Mcli-Delete.....	53
Mcli-Get .....	53
Mcli-Info .....	55
Mcli-Run .....	55
Mcli-RunWithReturn.....	57
Mcli-Set.....	57
Mcli-SetList .....	58
Commands by Object Type .....	58
Many.....	58
AuthGroup .....	59
CeipData.....	59
CisData.....	59
Collection.....	59
Device.....	59
Disk.....	61
DiskLocator.....	62
Farm .....	62
FarmView .....	62

Server.....	63
Site .....	63
SiteView.....	64
Store.....	64
System.....	64
Task.....	64
UpdateTask .....	64
Error codes.....	65
Mcli-Add.....	79
Mcli-Add AuthGroup.....	79
Mcli-Add CeipData .....	79
Mcli-Add CisData .....	80
Mcli-Add Collection .....	80
Mcli-Add Device .....	81
Mcli-Add DeviceWithPersonalvDisk .....	83
Mcli-Add DiskLocator .....	85
Mcli-Add DiskUpdateDevice.....	86
Mcli-Add FarmView .....	87
Mcli-Add Server.....	87
Mcli-Add Site.....	90
Mcli-Add SiteView .....	90
Mcli-Add Store.....	91
Mcli-Add UpdateTask.....	91
Mcli-Add VirtualHostingPool.....	93
Mcli-Delete.....	94
Mcli-Delete AuthGroup.....	94
Mcli-Delete Collection .....	94
Mcli-Delete Device .....	95
Mcli-Delete DeviceDiskCacheFile .....	95
Mcli-Delete DiskLocator .....	96
Mcli-Delete DiskUpdateDevice.....	96
Mcli-Delete DiskVersion .....	96
Mcli-Delete FarmView .....	97

Mcli-Delete Server.....	97
Mcli-Delete ServerStore .....	97
Mcli-Delete Site .....	98
Mcli-Delete SiteView .....	98
Mcli-Delete Store.....	98
Mcli-Delete UpdateTask .....	98
Mcli-Delete VirtualHostingPool.....	98
Mcli-Get .....	99
Mcli-Get AdDomains .....	99
Mcli-Get AuditActionParameters .....	99
Mcli-Get AuditActionProperties .....	99
Mcli-Get AuditActionSibling .....	100
Mcli-Get AuditTrail.....	100
Mcli-Get AuthGroup .....	105
Mcli-Get AuthGroupUsage .....	106
Mcli-Get CeipData.....	107
Mcli-Get CisData .....	107
Mcli-Get Collection .....	107
Mcli-Get CommandDescription .....	109
Mcli-Get CommandFields.....	110
Mcli-Get CommandParameters.....	110
Mcli-Get CommandSortFields .....	110
Mcli-Get CommandStandardParameters .....	111
Mcli-Get Device.....	111
Mcli-Get DeviceBootstraps.....	115
Mcli-Get DeviceCustomProperty .....	116
Mcli-Get DeviceDiskPrinters.....	116
Mcli-Get DeviceDiskTempVersion.....	117
Mcli-Get DeviceInfo.....	118
Mcli-Get DevicePersonality .....	124
Mcli-Get DeviceStatus.....	124
Mcli-Get Disk.....	126
Mcli-Get DiskInfo.....	128

Mcli-Get DiskInventory .....	132
Mcli-Get DiskLocator .....	133
Mcli-Get DiskLocatorCustomProperty .....	136
Mcli-Get DiskLocatorLock .....	137
Mcli-Get DiskPrinters .....	137
Mcli-Get DiskUpdateDevice .....	138
Mcli-Get DiskUpdateStatus .....	141
Mcli-Get DiskVersion.....	143
Mcli-Get ExceptionDescriptions .....	145
Mcli-Get Farm .....	145
Mcli-Get FarmView.....	147
Mcli-Get Groups .....	147
Mcli-Get NewVersionDisks.....	148
Mcli-Get Server .....	149
Mcli-Get ServerBiosBootstrap .....	153
Mcli-Get ServerBootstrap .....	154
Mcli-Get ServerBootstrapNames.....	156
Mcli-Get ServerCustomProperty .....	156
Mcli-Get ServerInfo .....	156
Mcli-Get ServerStatus .....	161
Mcli-Get ServerStore.....	161
Mcli-Get Site.....	162
Mcli-Get SiteView .....	163
Mcli-Get Store .....	164
Mcli-Get StoreSharedOrServerPath.....	165
Mcli-Get Task.....	166
Mcli-Get UndefinedDisks.....	167
Mcli-Get UpdateTask .....	168
Mcli-Get VirtualHostingPool .....	170
Mcli-Get XDSite.....	171
Mcli-Info .....	172
Mcli-Info Group.....	172
Mcli-Info LocalServer .....	172

Mcli-Info MapiErrorCode .....	172
Mcli-Info Version .....	173
Mcli-Run .....	173
Mcli-Run ActivateDevice .....	173
Mcli-Run AddDeviceToDomain .....	174
Mcli-Run AddDiskVersion .....	175
Mcli-Run ApplyAutoUpdate .....	175
Mcli-Run ArchiveAuditTrail .....	175
Mcli-Run AssignAuthGroup .....	176
Mcli-Run AssignDevice .....	176
Mcli-Run AssignDisk .....	177
Mcli-Run AssignDiskLocator .....	178
Mcli-Run AssignServer .....	178
Mcli-Run Boot .....	179
Mcli-Run CancelTask .....	179
Mcli-Run ClearTask .....	179
Mcli-Run CopyPasteDevice .....	180
Mcli-Run CopyPasteDisk .....	180
Mcli-Run CopyPasteServer .....	181
Mcli-Run CreateDirectory .....	181
Mcli-Run CreateDiskCancel .....	181
Mcli-Run DisableCollection .....	182
Mcli-Run DisableDevice .....	182
Mcli-Run DisableDeviceDiskLocator .....	183
Mcli-Run DisableDiskLocator .....	183
Mcli-Run DiskUpdateCancel .....	183
Mcli-Run DiskUpdateStart .....	184
Mcli-Run DisplayMessage .....	184
Mcli-Run EnableCollection .....	185
Mcli-Run EnableDevice .....	185
Mcli-Run EnableDeviceDiskLocator .....	186
Mcli-Run EnableDiskLocator .....	186
Mcli-Run ExportDisk .....	187

Mcli-Run ExportOemLicenses.....	187
Mcli-Run ForceInventory .....	188
Mcli-Run ImportDatabase .....	188
Mcli-Run ImportDevices .....	188
Mcli-Run ImportOemLicenses .....	189
Mcli-Run MarkDown.....	189
Mcli-Run MergeDisk.....	190
Mcli-Run PromoteDiskVersion .....	191
Mcli-Run Reboot .....	192
Mcli-Run RemoveAuthGroup .....	192
Mcli-Run RemoveDevice.....	193
Mcli-Run RemoveDeviceFromDomain .....	194
Mcli-Run RemoveDirectory .....	194
Mcli-Run RemoveDisk.....	195
Mcli-Run RemoveDiskLocator.....	195
Mcli-Run ResetDatabaseConnection .....	196
Mcli-Run ResetDeviceForDomain .....	196
Mcli-Run RestartStreamService .....	197
Mcli-Run RevertDiskVersion .....	197
Mcli-Run SetOverrideVersion.....	198
Mcli-Run SetupConnection .....	198
Mcli-Run Shutdown .....	199
Mcli-Run StartDeviceDiskTempVersionMode .....	200
Mcli-Run StartStreamService .....	200
Mcli-Run StopDeviceDiskTempVersionMode .....	201
Mcli-Run StopStreamService .....	202
Mcli-Run UnloadConnection .....	202
Mcli-Run UnlockAllDisk .....	202
Mcli-Run UnlockDisk .....	202
Mcli-Run UnmapDisk .....	203
Mcli-Run ValidateDirectory.....	203
Mcli-RunWithReturn.....	203
Mcli-RunWithReturn Boot.....	203

Mcli-RunWithReturn CommandActions .....	204
Mcli-RunWithReturn CreateDisk .....	204
Mcli-RunWithReturn CreateDiskStatus .....	205
Mcli-RunWithReturn CreateMaintenanceVersion .....	206
Mcli-RunWithReturn DeviceCount .....	206
Mcli-RunWithReturn DiskLocatorCount .....	207
Mcli-RunWithReturn DisplayMessage .....	207
Mcli-RunWithReturn Enabled .....	208
Mcli-RunWithReturn Exists .....	209
Mcli-RunWithReturn ImportDisk .....	210
Mcli-RunWithReturn ListDirectories .....	211
Mcli-RunWithReturn MaintenanceVersionExists .....	211
Mcli-RunWithReturn MapDisk .....	212
Mcli-RunWithReturn MappedDiskId .....	212
Mcli-RunWithReturn MappedDriveLetter .....	213
Mcli-RunWithReturn MinimumLastAutoAddDeviceNumber .....	213
Mcli-RunWithReturn RebalanceDevices .....	213
Mcli-RunWithReturn Reboot .....	214
Mcli-RunWithReturn ReportBug .....	215
Mcli-RunWithReturn ServerCount .....	216
Mcli-RunWithReturn ServerName .....	216
Mcli-RunWithReturn ServerStoreActiveDeviceCount .....	216
Mcli-RunWithReturn Shutdown .....	216
Mcli-RunWithReturn StoreFreeSpace .....	217
Mcli-RunWithReturn TaskStatus .....	218
Mcli-RunWithReturn UpdateBDM .....	218
Mcli-RunWithReturn UploadCeip .....	219
Mcli-Set .....	219
Mcli-Set AuthGroup .....	219
Mcli-Set CeipData .....	219
Mcli-Set CisData .....	220
Mcli-Set Collection .....	220
Mcli-Set Device .....	221

Mcli-Set Disk .....	224
Mcli-Set DiskLocator .....	225
Mcli-Set DiskUpdateDevice.....	226
Mcli-Set DiskVersion .....	228
Mcli-Set Farm.....	228
Mcli-Set FarmView .....	229
Mcli-Set Server.....	230
Mcli-Set ServerBiosBootstrap .....	232
Mcli-Set ServerBootstrap .....	234
Mcli-Set ServerStore .....	235
Mcli-Set Site .....	235
Mcli-Set SiteView .....	236
Mcli-Set Store.....	237
Mcli-Set UpdateTask.....	237
Mcli-Set VirtualHostingPool.....	239
Mcli-Set XDSite .....	240
Mcli-SetList .....	240
Mcli-SetList DeviceBootstraps .....	240
Mcli-SetList DeviceCustomProperty .....	241
Mcli-SetList DeviceDiskPrinters .....	241
Mcli-SetList DevicePersonality .....	242
Mcli-SetList DiskLocatorCustomProperty .....	242
Mcli-SetList ServerCustomProperty .....	243

## Introduction

Use Provisioning Services' programming interfaces to manage your implementation from a command line or from scripts. Only users with correct administrative privileges can use programming commands. Non-administrators, that do not have elevated privileges and attempt to use these commands, will receive the 'Invalid access' message.

Four different programming interfaces exist:

- Management Command Line Interface (MCLI)
- Simple Object Access Protocol (SOAP) Server Programmer Interface
- PowerShell Programmer Interface with Objects
- PowerShell Programmer Interface (Deprecated)

This document provides the information needed to use this interface.

## Using the PowerShell Programmer Interface (Deprecated)

Use the information that follows to manage a Provisioning Service's implementation from the PowerShell interface.

## Installation of PowerShell Snap-In

The PowerShell snap-in (McliPSSnapIn.dll) can be installed using the Provisioning Server Console install.

## Registration of McliPSSnapIn.dll using Import-Module

If the snap-in later needs to be registered in PowerShell, this can be manually done by running one of the following command in PowerShell. The path where the McliPSSnapIn.dll is installed needs to be included.

```
Import-Module "path\McliPSSnapIn.dll"
```

## Registration of McliPSSnapIn.dll using Add-PSSnapin

If the snap-in later needs to be registered in PowerShell, this can be manually done by running one of the following commands at the DOS command prompt. After the command is run and PowerShell is started, the snap-in needs to be added using the command "Add-PSSnapin -Name McliPsSnapIn".

## 64-bit Registration

```
%systemroot%\Microsoft.NET\Framework64\v4.0.30319\installutil.exe  
McliPsSnapIn.dll
```

## 32-bit Registration

```
%systemroot%\Microsoft.NET\Framework\v4.0.30319\installutil.exe  
McliPsSnapIn.dll
```

## Alternative Registration of McliPSSnapIn.dll in PowerShell

Another way to register is by running one of the following commands at the PowerShell command prompt:

### 64-bit Registration in PowerShell

```
$installutil = $env:systemroot +  
'\Microsoft.NET\Framework64\v4.0.30319\installutil.exe'  
  
&$installutil McliPSSnapIn.dll  
Add-PSSnapin -Name McliPsSnapIn
```

### 32-bit Registration in PowerShell

```
$installutil = $env:systemroot +  
'\Microsoft.NET\Framework32\v4.0.30319\installutil.exe'  
  
&$installutil McliPSSnapIn.dll  
Add-PSSnapin -Name McliPsSnapIn
```

## Uninstall of PowerShell Snap-In

The PowerShell snap-in (McliPSSnapIn.dll) can be uninstalled using the Provisioning Server Console install.

## Unregister of McliPSSnapIn.dll

The snap-in needs to be unregistered from PowerShell, this can be manually done by running one of the following commands at the DOS command prompt:

### 64-bit Unregister

```
%systemroot%\Microsoft.NET\Framework64\v4.0.30319\installutil.exe -u  
McliPsSnapIn.dll
```

### 32-bit Unregister

```
%systemroot%\Microsoft.NET\Framework\v4.0.30319\installutil.exe -u McliPsSnapIn.dll
```

## Alternative Unregister of McliPSSnapIn.dll in PowerShell

Another way to unregister is by running one of the following commands at the PowerShell command prompt:

### 64-bit Unregister in PowerShell

```
$installutil = $env:systemroot +  
'\Microsoft.NET\Framework64\v4.0.30319\installutil.exe'  
  
&$installutil -u McliPSSnapIn.dll
```

## 32-bit Unregister in PowerShell

```
$installutil = $env:systemroot +  
'\Microsoft.NET\Framework32\v4.0.30319\installutil.exe'  
&$installutil -u McliPSSnapIn.dll
```

## Setup of the SOAP Server Communication

Unless the defaults are fine, use this command to set the values for the SOAP Server connection:

### Mcli-Run SetupConnection

```
Mcli-Run SetupConnection -p name=value[, name2=value2]
```

Setup the SOAP server connection that will be used for the MCLI and PowerShell command line interfaces.

-p	Parameters needed for this Run.
Optional	
server	Server used for the connection. Default=localhost
port	Port used for the connection. Default=54321
user	User used for the connection. Default=Current user
domain	User domain used for the connection. Default=Current user
password	User password used for the connection. Default=Current user

## PowerShell Snap-In Command Types

There are 9 types of commands used to run the PowerShell snap-in (McliPSSnapIn.dll).

### Mcli-Add

#### Short Description

Add an AuthGroup, Collection, Device, DeviceWithPersonalvDisk, DiskLocator, DiskUpdateDevice, FarmView, Server, Site, SiteView, Store, UpdateTask or VirtualHostingPool.

#### Detailed Description

Add an object. The format is:

```
Mcli-Add <type> <-r name=value, name2=value2>  
type specifies the type of object being added. To get help on what parameters  
are needed for a specific type, enter Mcli-Help Add <type>, for example:  
Mcli-Help Add Device  
-r has the definition of the record name=value pairs needed to define the  
object.
```

If successful, a string GUID unique ID of the object is returned.

## Input Type

```
Mcli-Add <type> <-r name=value, name2=value2>
```

## Input Type Description

type can be any of these:

AuthGroup: Add an Active Directory or Windows Group for authorization.

Collection: Add a Collection to a Site.

Device: Add a new Device to a collection.

DeviceWithPersonalvDisk: Add a new Device with Personal vDisk to a collection.

DiskLocator: Add a Disk Locator to a Site. The Disk file must already exist.

DiskUpdateDevice: Add a new Device related to a Disk that can be updated.

FarmView: Add a View to a Farm.

Server: Add a Server to a Site.

Site: Add a Site to the system.

SiteView: Add a View to a Site.

Store: Add a Store to the system.

UpdateTask: Add a new Update Task for the Site.

VirtualHostingPool: Add a new Virtual Hosting Pool for the Site.

## Return Type

When successful, the last string returned has the GUID which is the unique ID of the object added. The GUID is after a "resultId = " at the end of the string.

## Return Type Description

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')[0].Trim()` will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: `Mcli-Help Codes`

## Parameters

*type*

Type of object to add. Valid values are AuthGroup, Collection, Device, DeviceWithPersonalvDisk, DiskLocator, DiskUpdateDevice, FarmView, Server, Site, SiteView, Store, UpdateTask or VirtualHostingPool.

r

List of name=value pairs needed to define the object. They are comma delimited.

## Help Example

### *Example Command*

#### Mcli-Help Add Device

### *Example Description*

Displays help on the parameters needed for the Type of Add. The Device above can be any of these values: AuthGroup, Collection, Device, DeviceWithPersonalvDisk, DiskLocator, DiskUpdateDevice, FarmView, Server, Site, SiteView, Store, UpdateTask or VirtualHostingPool.

### *Example Output*

Add a new Device to a collection.

```
Mcli-Add Device <-r name=value[, name2=value2]>
```

-r = record values to be set.

deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
collectionId	GUID of the Collection this Device is to be a member of. It is not used with collectionName. Length=36
collectionName	Name of the Collection this Device is to be a member of. siteName or siteId must also be used.
siteId	GUID of the Site the collectionName is to be a member of. This or siteName is used with collectionName.
siteName	Name of the Site the collectionName is to be a member of. This or siteId is used with collectionName.
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. This cannot be Set for a Device with Personal vDisk. Min=1, Max=3, Default=1
className	Used by Automatic Update feature to match new versions of Disks to a Device. This cannot be Set for a Device with Personal vDisk. Default="" Max Length=41
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901

enabled	1 when it can be booted, 0 otherwise. This cannot be Set for a Device with Personal vDisk. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. This cannot be Set for a Device with Personal vDisk. Default=0
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. This cannot be Set for a Device with Personal vDisk. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=20
password	Password of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=100
copyTemplate	1 if the Template Device for the collection, if it exists, should be used for the property settings of the added Device. Default=0
adTimestamp	The time the Active Directory machine account password was generated. Do not set this field, it is only set internally by PVS. Default=0
adSignature	The signature of the Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Do not set this field, it is only set internally by PVS. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Do not set this field, it is only set internally by PVS. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null

type	1 when it performs test of Disks, 2 when it performs maintenance on Disks, 3 when it has a Personal vDisk, 4 when it has a Personal vDisk and performs tests, 0 otherwise. Min=0, Max=2, Default=0
localWriteCacheDiskSize	The size in GB to format the Device cache file disk. If the value is 0, then the disk is not formatted. Min=0, Max=2048, Default=0
bdmBoot	Use BDM instead of PXE boot when set to 1. Default=0
virtualHostingPoolId	GUID that uniquely identifies the Virtual Hosting Pool for a VM. This is needed when Adding a VM device. Default=null Length=36

## Add Device Example

### Example Command

```
mcli-Add Device -r deviceName=Device1, deviceMac=1a-2b-3c-4d-5e-6f,
description="A description", collectionName=Collection, siteName=Site
```

### Example Description

Add a new Device1 to Collection of Site.

### Example Output

Executing: Add Device

Add succeeded. resultId = e7cc9adb-8689-420a-89bb-1988de82d793

## MCLI-Delete

### Short Description

Delete an AuthGroup, Collection, Device, DeviceDiskCacheFile, DiskLocator, DiskUpdateDevice, DiskVersion, FarmView, Server, ServerStore, Site, SiteView, Store, UpdateTask or VirtualHostingPool.

### Detailed Description

Delete an object. The format is:

```
Mcli-Delete <type>[ -p name=value[, name2=value2]]
type specifies the type of object being deleted. To get help on what
parameters are needed for a specific type, enter Mcli-Help Delete <type>, for
example: Mcli-Help Delete Device
-p has a list of name=value pair parameters as needed to delete the object.
```

### Input Type

```
Mcli-Delete <type>[ -p name=value[, name2=value2]]
```

## Input Type Description

type can be any of these:

AuthGroup: Delete an AuthGroup Active Directory or Windows Group name.

Collection: Delete a Collection.

Device: Delete one or more Devices.

DeviceDiskCacheFile: Delete the Disk cache files for a Device.

DiskLocator: Delete one or more Disk Locators.

DiskUpdateDevice: Delete a Disk Update Device.

DiskVersion: Remove the latest Disk version or no longer needed version if no Devices are currently booted from that version.

FarmView: Delete a View from the Farm.

Server: Delete a Server.

ServerStore: Delete the connection from a Server to a Store.

Site: Delete a Site.

SiteView: Delete a View from a Site.

Store: Delete a Store.

UpdateTask: Delete an Update Task from a Site.

VirtualHostingPool: Delete a Virtual Hosting Pool from a Site.

## Return Type

none

## Return Type Description

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')[0].Trim()` will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: `Mcli-Help Codes`

## Parameters

*type*

Type of object to delete. Valid values are AuthGroup, Collection, Device, DeviceDiskCacheFile, DiskLocator, DiskUpdateDevice, DiskVersion, FarmView, Server, ServerStore, Site, SiteView, Store, UpdateTask or VirtualHostingPool.

*r*

List of name=value pairs needed to define the object. They are comma delimited.

## Help Example

### *Example Command*

Mcli-Help Delete Device

### *Example Description*

Displays help on the parameters needed for the Type of Delete. The Device above can be any of these values: AuthGroup, Collection, Device, DeviceDiskCacheFile, DiskLocator, DiskUpdateDevice, DiskVersion, FarmView, Server, ServerStore, Site, SiteView, Store, UpdateTask or VirtualHostingPool.

### *Example Output*

```
Delete one or more Devices.
```

```
-p Parameters needed for this Delete.

One of these required

  deviceId           GUID of the Device to Delete.
  deviceName        Name of the Device to Delete.
  deviceMac         MAC of the Device to Delete.
  collectionId      GUID of the Collection to delete all
                   Devices.

or this required & resolution

  collectionName     Name of the Collection to delete all
                   Devices.

One of these resolutions when needed

  siteId            GUID of the Site.
  siteName          Name of the Site.
```

## Delete Device Example

### *Example Command*

```
mcli-Delete Device -p deviceName=Device1
```

### *Example Description*

Deletes the Device1.

### *Example Output*

```
Executing: Delete Device
Delete succeeded.
```

## Mcli-Get

### Short Description

Get an AdDomains, AuditActionParameters, AuditActionProperties, AuditActionSibling, AuditTrail, AuthGroup, AuthGroupUsage, Collection, CommandDescription,

CommandFields, CommandParameters, CommandSortFields, CommandStandardParameters, Device, DeviceBootstraps, DeviceCustomProperty, DeviceDiskPrinters, DeviceInfo, DevicePersonality, DeviceStatus, Disk, DiskInfo, DiskInventory, DiskLocator, DiskLocatorCustomProperty, DiskLocatorLock, DiskPrinters, DiskUpdateDevice, DiskUpdateStatus, DiskVersion, ExceptionDescriptions, Farm, FarmView, Groups, NewVersionDisks, Server, ServerBiosBootstrap, ServerBootstrap, ServerBootstrapNames, ServerCustomProperty, ServerInfo, ServerStatus, ServerStore, Site, SiteView, Store, StoreSharedOrServerPath, Task, UndefinedDisks, UpdateTask, VirtualHostingPool or XDSite.

## Detailed Description

Get one or more objects. The format is:

```
Mcli-Get <type>[ -p name=value[, name2=value2]][ -f field1[, field2]][ -s  
sortfield-]  
type specifies the type of object being get. To get help on what parameters  
are needed for a specific type, enter Mcli-Help Get <type>, for example:  
Mcli-Help Get Device  
-p has a list of name=value pair parameters as needed to get the objects.  
-f is a list of fields to be returned, if none are specified then all are  
returned.  
-s is the field to sort on, if not specified the output is sorted by any  
included *Name field. Append a - to the field name to get descending order.  
If successful, the records found are listed.
```

## Input Type

```
Mcli-Get <type>[ -p name=value[, name2=value2]][ -f field1[, field2]][ -s  
sortfield-]
```

## Input Type Description

type can be any of these:

AdDomains: Get all of the available Active Directory domains.

AuditActionParameters: Get the Parameters of an Audit Action.

AuditActionProperties: Get the Properties of an Audit Action.

AuditActionSibling: Get the Sibling of an Audit Action. It is the 2nd object involved with the action.

AuditTrail: Get the Audit Trail actions for a Farm, Site, Server, DiskLocator, Collection, Device, User Group, Site View, Farm View or Store. All Audit Trail actions are returned if no parameters are passed. The result can be filtered by parent, user\domain and date range.

AuthGroup: Get the fields for an AuthGroup, all AuthGroups in the system, AuthGroups with Farm, Site or Collection Authorization. All AuthGroups in the system are returned if no parameters are passed.

AuthGroupUsage: Get the items that are authorized for an AuthGroup.

**Collection:** Get the fields for a Collection or all Collections in a Site or Farm. All Collections are returned if no parameters are passed.

**CommandDescription:** Return one or more commands with description.

**CommandFields:** Return one record with fields and descriptions.

**CommandParameters:** Return records with parameter type, parameters and descriptions. Parameter types that maybe returned include: Optional, RequiredSingle, OptionalSingle, RequiredSingleAmbiguous, OptionalSingleAmbiguous, and Resolution.

**CommandSortFields:** Return one record with sort fields and descriptions.

**CommandStandardParameters:** Return one record with standard parameter types and descriptions. Parameter types that maybe returned include: parameters, fields, record, records, sortField, resultId, rv, startPosition, maxRecords, totalCount, dataIn, dataOut, and commands.

**Device:** Get the fields for a Device, all Devices in a Collection, Site, Farm View, or Farm. All Devices are returned if no parameters are passed.

**DeviceBootstraps:** Get all Bootstrap files for a Device, and the menuText for each.

**DeviceCustomProperty:** Get the Device Custom Property names and values.

**DeviceDiskPrinters:** Get all non-disabled Printers for a Device/Disk, and the setting for each.

**DeviceInfo:** Get the fields and status for a Device, all Devices in a Collection, Site, Farm View, or Farm. All Devices are returned if no parameters are passed.

**DevicePersonality:** Get the Device Personality names and values.

**DeviceStatus:** Get the DeviceStatus fields for a Device or all Devices for a Server, Disk Locator, or Farm. All Devices are returned if no parameters are passed.

**Disk:** Get the fields for a single disk.

**DiskInfo:** Get the fields for a Disk and Disk Locator or all Disks and Disk Locators for a Device, Server, Store, Site, or Farm. All Disks and DiskLocators are returned if no parameters are passed.

**DiskInventory:** Get the fields for Inventory Status of a Disk Version or all Disk Versions for a Disk Locator.

**DiskLocator:** Get the fields for a Disk Locator or all Disk Locators for a Device, Server, Store, Site, or Farm. All DiskLocators are returned if no parameters are passed.

**DiskLocatorCustomProperty:** Get the DiskLocator Custom Property names and values.

**DiskLocatorLock:** Get the fields for all the locks of a Disk Locator.

**DiskPrinters:** Get all available Printers for a Disk.

**DiskUpdateDevice:** Get the fields and status for a Disk Update Device, or all Disk Update Devices for a Site, Server, DiskLocator or Farm. All Disk Update Devices are returned if no parameters are passed.

DiskUpdateStatus: Get the status of an Update Task, or all Update Tasks for a Site or Farm. All Disk Update Tasks are returned if no parameters are passed.

DiskVersion: Get the fields for a Disk Version or all Disk Versions for a Disk Locator.

ExceptionDescriptions: Return all of the exceptions with description.

Farm: Get the fields for the Farm.

FarmView: Get the fields for a Farm View or all Farm Views in the Farm. All Farm Views are returned if no parameters are passed.

Groups: Get all of the available groups.

NewVersionDisks: Get new Disk versions for the Store on the Server specified.

Server: Get the fields for a Server, all Servers in a Site that use a Store, service a DiskLocator, or for the whole Farm. All Servers are returned if no parameters are passed.

ServerBiosBootstrap: Oem Only: Get the bootstrap fields for the Server dell\_bios.bin BIOS bootstrap file.

ServerBootstrap: Get the bootstrap fields for the Server and named bootstrap file specified.

ServerBootstrapNames: Get the bootstrap names for a Server.

ServerCustomProperty: Get the Server Custom Property names and values.

ServerInfo: Get the fields and status for a Server, all Servers in a Site that use a Store, service a DiskLocator, or for the whole Farm. All Servers are returned if no parameters are passed.

ServerStatus: Get the Server Status fields for a Server.

ServerStore: Get the directory and cache paths of a Server for one or all Stores.

Site: Get the fields for a Site or all Sites. All Sites are returned if no parameters are passed.

SiteView: Get the fields for a Site View or all Site Views in a Site or the whole Farm. All Site Views are returned if no parameters are passed.

Store: Get the fields for a Store or all Stores for a Server, Site or the Farm. All Stores are returned if no parameters are passed.

StoreSharedOrServerPath: Get the Stores and paths for the serverName specified or Stores with only shared UNC paths.

Task: Get the current Task fields for select, or all active and completed un-cleared tasks.

UndefinedDisks: Get undefined Disks for the Store on the Server specified.

UpdateTask: Get the fields for an Update Task or all Update Tasks in a Site or the whole Farm. All Update Tasks are returned if no parameters are passed.

VirtualHostingPool: Get the fields for a Virtual Hosting Pool or all Virtual Hosting Pools in a Site or the whole Farm. All Virtual Hosting Pools are returned if no parameters are passed.

XDSite: Get the fields for a XenDesktop Site or all XenDesktop Sites. All XenDesktop Sites are returned if no parameters are passed.

## Return Type

Returns the records found.

## Return Type Description

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')[0].Trim()` will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: `Mcli-Help Codes`

## Parameters

*type*

Type of object to get. Valid values are AdDomains, AuditActionParameters, AuditActionProperties, AuditActionSibling, AuditTrail, AuthGroup, AuthGroupUsage, Collection, CommandDescription, CommandFields, CommandParameters, CommandSortFields, CommandStandardParameters, Device, DeviceBootstraps, DeviceCustomProperty, DeviceDiskPrinters, DeviceInfo, DevicePersonality, DeviceStatus, Disk, DiskInfo, DiskInventory, DiskLocator, DiskLocatorCustomProperty, DiskLocatorLock, DiskPrinters, DiskUpdateDevice, DiskUpdateStatus, DiskVersion, ExceptionDescriptions, Farm, FarmView, Groups, NewVersionDisks, Server, ServerBiosBootstrap, ServerBootstrap, ServerBootstrapNames, ServerCustomProperty, ServerInfo, ServerStatus, ServerStore, Site, SiteView, Store, StoreSharedOrServerPath, Task, UndefinedDisks, UpdateTask, VirtualHostingPool or XDSite.

*p*

List of name=value pairs needed to define what to process. They are comma delimited.

*f*

List of fields to be returned, if none are specified then all are returned. They are comma delimited.

*s*

The field to sort on, if not specified the output is sorted by any included \*Name field. Append a - to the field name to get descending order.

## Help Example

### *Example Command*

#### Mcli-Help Get Device

### *Example Description*

Displays help on the parameters needed for the Type of Get. The Device above can be any of these values: AdDomains, AuditActionParameters, AuditActionProperties, AuditActionSibling, AuditTrail, AuthGroup, AuthGroupUsage, Collection, CommandDescription, CommandFields, CommandParameters, CommandSortFields, CommandStandardParameters, Device, DeviceBootstraps, DeviceCustomProperty, DeviceDiskPrinters, DeviceInfo, DevicePersonality, DeviceStatus, Disk, DiskInfo, DiskInventory, DiskLocator, DiskLocatorCustomProperty, DiskLocatorLock, DiskPrinters, DiskUpdateDevice, DiskUpdateStatus, DiskVersion, ExceptionDescriptions, Farm, FarmView, Groups, NewVersionDisks, Server, ServerBiosBootstrap, ServerBootstrap, ServerBootstrapNames, ServerCustomProperty, ServerInfo, ServerStatus, ServerStore, Site, SiteView, Store, StoreSharedOrServerPath, Task, UndefinedDisks, UpdateTask, VirtualHostingPool or XDSite.

### *Example Output*

Get the fields for a Device, all Devices in a Collection, Site, Farm View, or Farm. All Devices are returned if no parameters are passed.

```
Mcli-Get Device[ -p name=value[, name2=value2]][ -f field1[, field2]][ -s  
sortfield-]
```

-p = parameters to specify the criteria are listed below:

One of these optional

deviceId	GUID of the Device to Get.
deviceName	Name of Device to Get.
deviceMac	MAC of the Device to Get.
collectionId	GUID of the Collection to Get all Devices for.
serverId	GUID of the Server to Get all Devices for.
serverName	Name of the Server to Get all Devices for.
diskLocatorId	GUID of the DiskLocator to Get all Devices for.
siteViewId	GUID of the Site View to Get all Devices for.
siteId	GUID of the Site.
siteName	Name of the Site.
farmViewId	GUID of the Farm View to Get all Devices for.
farmViewName	Name of the Farm View to Get all Devices for.
deviceIdList	Comma delimited list of GUIDs of the Devices to Get. Maximum length is 8000 characters.
deviceNameList	Comma delimited list of Names of the Devices to Get. Maximum length is 8000 characters.

deviceMacList        Comma delimited list of MACs of the Devices to Get.  
                      Maximum length is 8000 characters.

or one of these optional & resolution

collectionName       Name of the Collection to Get all Devices for.

diskLocatorName     Name of the DiskLocator to Get all Devices for.

siteViewName        Name of the Site View to Get all Devices for.

One of these resolution when needed

siteId                GUID of the Site.

siteName             Name of the Site.

One of these resolution when needed

storeId              GUID of the Store that is needed when a diskLocatorName  
                      is used.

storeName            Name of the Store that is needed when a diskLocatorName  
                      is used.

-f = fields to be returned, if none are specified then all are returned.

-s = field to sort on, if not specified the output is sorted by deviceName.

Append a - to the field name to get descending order.

Fields that can be used as the sort field have a \* in front of them.

deviceId             Read-only GUID that uniquely identifies this  
                      Device. Length=36

\* deviceName         Computer name with no spaces. ASCII computer  
                      name characters Max Length=15

collectionId         GUID of the Collection this Device is to be a  
                      member of. It is not used with collectionName.  
                      Length=36

collectionName       Name of the Collection this Device is to be a  
                      member of. siteName or siteId must also be used.

siteId                GUID of the Site the collectionName is to be a  
                      member of. This or siteName is used with  
                      collectionName.

siteName             Name of the Site the collectionName is to be a  
                      member of. This or siteId is used with  
                      collectionName.

\* description        User description. Default="" Max Length=250

\* deviceMac          Ethernet address as a string in the form XX-XX-  
                      XX-XX-XX-XX. Uniquely identifies the Device.  
                      Length=17

\* bootFrom            Device to boot from. Choices are 1 for vDisk, 2  
                      for Hard Disk, and 3 for Floppy. This cannot be  
                      Set for a Device with Personal vDisk. Min=1,  
                      Max=3, Default=1

\* className          Used by Automatic Update feature to match new  
                      versions of Disks to a Device. This cannot be

	Set for a Device with Personal vDisk. Default="" Max Length=41
* port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
enabled	1 when it can be booted, 0 otherwise. This cannot be Set for a Device with Personal vDisk. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. This cannot be Set for a Device with Personal vDisk. Default=0
role	Read-only Role of the user for this item. 100 is Farm Administrator, 200 is Site Administrator, 300 is Collection Administrator, and 400 is Collection Operator. Default=999
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. This cannot be Set for a Device with Personal vDisk. Min=0, Max=2,  Default=0
user	Name of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=20
password	Password of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=100
active	1 if the Device is currently active, 0 otherwise. Default=0
template	1 if the Device is the template in its Collection, 0 otherwise. Default=0
adTimestamp	The time the Active Directory machine account password was generated. Do not set this field, it is only set internally by PVS. Default=0
adSignature	The signature of the Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Do not set this field, it is only set internally by PVS. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Do not set this field, it is only set internally by PVS. Default=null Max

	Length=186
domainControllerName	The name of the DC used to create the host's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Do not set this field, it is only set internally by PVS. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
type	1 when it performs test of Disks, 2 when it performs maintenance on Disks, 3 when it has a Personal vDisk, 4 when it has a Personal vDisk and performs tests, 0 otherwise. Min=0, Max=4, Default=0
pvdDriveLetter	Read-only Personal vDisk Drive letter. Range is E to U and W to Z. Default=null Max Length=1
localWriteCacheDiskSize	The size in GB to format the Device cache file disk. If the value is 0, then the disk is not formatted. Min=0, Max=2048, Default=0
bdmBoot	Use BDM instead of PXE boot when set to 1. Default=0
virtualHostingPoolId	GUID that uniquely identifies the Virtual Hosting Pool for a VM. This is needed when Adding a VM device. Default=null Length=36

## Get Device All Example

### *Example Command*

#### mcli-Get Device

### *Example Description*

Gets all Devices in the Farm that you have access to.

### *Example Output*

Executing: Get Device

Get succeeded. 1 record(s) returned.

Record #1

```

deviceId: 624fe466-4d3b-45c0-8130-025a102babce
deviceName: device1
collectionId: 123fcc9-6948-4f0e-ae65-dfd6305d5550
collectionName: Collection
siteId: 3dc7828b-f469-4f06-93e1-7ac2b08292b9
siteName: Site
description: description
deviceMac: 00-50-56-C0-00-00

```

```
bootFrom: 1
className: Collection Class
port: 6901
enabled: 1
localDiskEnabled: 0
role: 100
authentication: 0
user:
password:
active: 0
template: 0
adTimestamp: 0
adSignature: 0
logLevel: 0
domainName:
domainObjectSID:
domainControllerName:
domainTimeCreated:
type: 0
pvdDriveLetter:
localWriteCacheDiskSize: 0
bdmBoot: 0
virtualHostingPoolId: 1fe08572-be9f-4262-ad7e-48f40b031973
```

## Get Device Example

### *Example Command*

```
mcli-Get Device -p collectionName=Collection, siteName=Site -f deviceName,
description -s deviceName-
```

### *Example Description*

Gets a list of Devices in the Collection of Site. The only fields that will be returned are deviceName and description and the sort order will be deviceName descending. It is descending because of the - appended to the -s deviceName.

### *Example Output*

```
Executing: Get Device
Get succeeded. 7 record(s) returned.
Record #1
  deviceName: test
  description: test
```

Record #2

```
deviceName: device6
description: test
```

Record #3

```
deviceName: device5
description:
```

Record #4

```
deviceName: device4
description: test
```

Record #5

```
deviceName: device3
description: description with ", and
```

Record #6

```
deviceName: device2
description: description
```

Record #7

```
deviceName: device1
description: test
```

## Mcli-Help

### Short Description

Get help about command types. Help can be retrieved about types of commands, Add, Delete, Get, Info, Run, RunWithReturn, Set or SiteList.

### Detailed Description

Get help. The format is:

```
Mcli-Help[ Action[ type]]
```

Action is optional. It can be Add, Delete, Get, Info, Run, RunWithReturn, Set or SiteList. It can also be an object type and valid choices are Many, AuthGroup, Collection, Device, Disk, DiskLocator, Farm, FarmView, Server, Site, SiteView, Store, System, Task or UpdateTask. type specifies the command to get help about.

MCLI-Help Codes

Get help about the error codes.

## Input Type

Mcli-Help[ Action[ type]]

MCLI-Help Codes

## Input Type Description

For the first input type, Action is optional. It can be Add, Delete, Get, Info, Run, RunWithReturn, Set or SiteList. Many, AuthGroup, Collection, Device, Disk, DiskLocator, Farm, FarmView, Server, Site, SiteView, Store, System, Task or UpdateTask. It can also be an object type and the valid choices are Many, AuthGroup, Collection, Device, Disk, DiskLocator, Farm, FarmView, Server, Site, SiteView, Store, System, Task or UpdateTask. If and Action of Add, Delete, Get, Info, Run, RunWithReturn, Set or SiteList is used, an optional command name can be entered as the type.

The second input type returns the error code descriptions.

## Return Type

Returns the help text available for the request.

## Return Type Description

Before executing a command, \$error.Clear() should be called. After executing a command, it was successful if \$error.Count equals 0. If \$error.Count > 0 then \$error[0].FullyQualifiedErrorId.Split(',')[0].Trim() will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: Mcli-Help Codes

## Parameters

### *Action*

Optional action to get help on. Valid choices are Add, Delete, Get, Info, Run, RunWithReturn, Set or SiteList. It can also be an object type and valid choices are Many, AuthGroup, Collection, Device, Disk, DiskLocator, Farm, FarmView, Server, Site, SiteView, Store, System, Task or UpdateTask.

### *Type*

Optional command to get help on.

## Help Example

### *Example Command*

Mcli-Help

### *Example Description*

Displays help on the actions.

## Example Output

Executes a Provisioning Services Action Command.

Actions that can be performed are:

```
Mcli-Add <type> <-r name=value[, name2=value2]>
```

```
Mcli-Delete <type> <-p name=value>
```

```
Mcli-Get <type>[ -p name=value[, name2=value2]][ -f field1[, field2]][ -s  
    sortfield-]
```

```
Mcli-Info <type>[ -p name=value[, name2=value2]]
```

```
Mcli-Run <type>[ -p name=value[, name2=value2]]
```

```
Mcli-RunWithReturn <type>[ -p name=value[, name2=value2]]
```

```
Mcli-Set <type> <-p name=value> <-r name=value[, name2=value2]>
```

```
Mcli-SetList <type> <-p name=value> <-r rec1name=value[,  
    rec1name2=value2]>[, rec2name=value[, rec2name2=value2]]
```

To get help on a specific Action, specify only the Action name. Valid actions are Add, Delete, Get, Info, Run, RunWithReturn, Set and SetList.

For example: Mcli-Help Run

To get help on a specific Object Type, specify only the Object Type.

For example: Mcli-Help Device

To get help on a specific Action and type, specify the action and type.

For example: Mcli-Help Run Reboot

Object Types are:

Many

AuthGroup

Collection

Device

Disk

DiskLocator

Farm

FarmView

Server

Site

SiteView

Store

System

Task

UpdateTask

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')`

[0].Trim() will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: Mcli-Help Codes

## MCLI-Info

### Short Description

Get information about Group, LocalServer, MapiErrorCode or Version.

### Detailed Description

Get information about objects. The format is:

```
Mcli-Info <type>[ -p name=value[, name2=value2]][ -f field1[, field2]]
```

type specifies the type of object being get information about. To get help on what parameters are needed for a specific type, enter Mcli-Help Info <type>, for example: Mcli-Help Info Version

-p has a list of name=value pair parameters as needed to get the object.

-f is a list of fields to be returned, if none are specified then all are returned.

If successful, the records found are listed.

### Input Type

```
Mcli-Info <type>[ -p name=value[, name2=value2]]
```

### Input Type Description

type can be any of these:

Group: Get the fields for the Groups for the user or the System.

LocalServer: Return one record with the local server's NetBios name

MapiErrorCode: Return the string and numeric versions of each Mapi error code.

Version: Return one record with the version information.

### Return Type

Returns the records found.

### Return Type Description

Before executing a command, \$error.Clear() should be called. After executing a command, it was successful if \$error.Count equals 0. If \$error.Count > 0 then \$error[0].FullyQualifiedErrorId.Split(',')[0].Trim() will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: Mcli-Help Codes

## Parameters

*type*

Type of object to get. Valid values are Group, LocalServer, MapiErrorCode or Version.

*p*

List of name=value pairs needed to define what to process. They are comma delimited.

*f*

List of fields to be returned, if none are specified then all are returned. They are comma delimited.

## Help Example

*Example Command*

Mcli-Help Info Version

*Example Description*

Displays help on the parameters needed for the Type of Information. The Version above can be any of these values: Group, LocalServer, MapiErrorCode or Version.

*Example Output*

```
Return one record with the version information.
Mcli-Info Version[ -f field1[, field2]]
-f = fields to be returned, if none are specified then all are returned.
mapiVersion   Version of the system in major.minor.build format.
dbVersion     Version of the database schema as a number. Default=0
type          Type of system. Values are 0 (Normal), 1 (OROM), and 2
              (Secure). Default=0
dbEdition     Edition of the database. If 'Express Edition', monitor
              dbSize.
dbSize        Size of the database in MB. Monitor this value if the
              edition is 'Express Edition' and this value is close to
              reaching the 4000 MB maximum. Default=0
```

## Info Version Example

*Example Command*

mcli-Info Version

*Example Description*

Gets a record with the version information.

*Example Output*

```
Executing: Info Version
Info succeeded. 1 record(s) returned.
Record #1
```

mapiVersion: 7.7.0.8150  
dbVersion: 30  
dbEdition: Enterprise Edition (64-bit)  
dbSize: 4168  
soapVersion: 7.7.0.8150

## MCLI-Run

### Short Description

Run a process that does not have a return value. Processes are ActivateDevice, AddDeviceToDomain, AddDiskVersion, ApplyAutoUpdate, ArchiveAuditTrail, AssignAuthGroup, AssignDevice, AssignDisk, AssignDiskLocator, AssignServer, Boot, CancelTask, ClearTask, CopyPasteDevice, CopyPasteDisk, CopyPasteServer, CreateDirectory, CreateDiskCancel, DisableCollection, DisableDevice, DisableDeviceDiskLocator, DisableDiskLocator, DiskUpdateCancel, DiskUpdateStart, DisplayMessage, EnableCollection, EnableDevice, EnableDeviceDiskLocator, EnableDiskLocator, ExportDisk, ExportOemLicenses, ForceInventory, ImportDatabase, ImportDevices, ImportOemLicenses, MarkDown, MergeDisk, PromoteDiskVersion, Reboot, RemoveAuthGroup, RemoveDevice, RemoveDeviceFromDomain, RemoveDirectory, RemoveDisk, RemoveDiskLocator, ResetDatabaseConnection, ResetDeviceForDomain, RestartStreamService, RevertDiskVersion, SetOverrideVersion, SetupConnection, Shutdown, StartStreamService, StopStreamService, UnlockAllDisk, UnlockDisk, UnmapDisk, UpdateBDM or ValidateDirectory.

### Detailed Description

Run a process that does not have a return value. The format is:

```
Mcli-Run <type>[ -p name=value[, name2=value2]]  
type specifies the type of process to run. To get help on what parameters are  
needed for a specific type, enter Mcli-Help Run <type>, for example: Mcli-  
Help Run PromoteDiskVersion  
-p has a list of name=value pair parameters as needed to run the process.
```

### Input Type

```
Mcli-Run <type>[ -p name=value[, name2=value2]]
```

### Input Type Description

type can be any of these:

ActivateDevice: Proxy Activate with a Multiple Activation Key and/or apply the Confirmation ID to remote activate a Device DiskLocator pair.

AddDeviceToDomain: Assign a Device, all Devices in a Collection or View to a Domain.

AddDiskVersion: Add one or more new Versions to a Disk. A manifest file for the new Disk Version(s) must exist in the Store.

ApplyAutoUpdate: Apply Auto Update for a Server or all Servers in a Site.

ArchiveAuditTrail: Archive the information in the Audit Trail up to a certain date to a file. When finished, the information archived will be removed from the Audit Trail.

AssignAuthGroup: Assign an AuthGroup to have Farm, Site or Collection Authorization. If no Site or Collection is specified, the AuthGroup is given Farm Authorization.

AssignDevice: Assign a Device to a Collection or View. Personal vDisk Devices cannot be moved to another Site.

AssignDisk: Assign a Disk to an Update Task.

AssignDiskLocator: Assign a Disk Locator to a Device, a Collection or View.

AssignServer: Assign a Server to a Site.

Boot: Deprecated: use RunWithReturn Boot. Boot a Device, Collection or View.

CancelTask: Cancel a running Task.

ClearTask: Clear a single or all completed or cancelled Tasks in a Site or the whole Farm.

CopyPasteDevice: Copy properties of one Device to a Device, all the Devices in a Collection, Site View or Farm View.

CopyPasteDisk: Copy properties of one Disk to a Disk.

CopyPasteServer: Copy properties of one Server to a Server.

CreateDirectory: Create a Directory on the Server specified.

CreateDiskCancel: Cancel an active CreateDisk.

DisableCollection: Disable a Collection so Devices that exist in it are Disabled, even if a Device itself is set to be Enabled.

DisableDevice: Disable one or more Devices.

DisableDeviceDiskLocator: Disable a Device's DiskLocator.

DisableDiskLocator: Disable a DiskLocator so all Devices that have it assigned will not make it available, even if a Device DiskLocator itself is set to be Enabled.

DiskUpdateCancel: Cancel an active Update Task for an Update Device.

DiskUpdateStart: Starts an Update Task.

DisplayMessage: Deprecated: use RunWithReturn DisplayMessage. Display a message on a Device, a Site, Collection or View.

EnableCollection: Enable a Collection so Devices that exist in it are Enabled, if the Device itself is not set to be Disabled.

EnableDevice: Enable one or more Devices. If the Device's Collection is Disabled, that overrides the Device setting.

EnableDeviceDiskLocator: Enable a Device's DiskLocator. If the DiskLocator is Disabled, that overrides the Device DiskLocator setting.

EnableDiskLocator: Enable a DiskLocator so Devices that have it assigned will make it available, if the Device DiskLocator itself is not set to be Disabled.

ExportDisk: Export the disk stack to a manifest file.

ExportOemLicenses: Oem Only: Export the Oem Licenses for the Devices to the fileName specified.

ForceInventory: Force the Inventory service to refresh its Inventory Table.

ImportDatabase: Import Devices from the version 4.x mdb database fileName specified.

ImportDevices: Import Devices from the contents of the comma or tab delimited fileName specified. Each record needs to have Device Name, Mac Address, Site Name, Collection Name, optional Description and optional Type. Description must exist for Type to be included, but it can have 0 length. Type can be 1 when it performs test of Disks, 2 when it performs maintenance on Disks, and 0 otherwise.

ImportOemLicenses: Oem Only: Import the Oem Licenses from the contents of the fileName specified.

MarkDown: Mark Down a Device, Collection, View, Server or Site.

MergeDisk: Merge the Disk.

PromoteDiskVersion: Commit the changes made in the current Maintenance or a Test version. Promotes the Maintenance version or a Test version to a Test or new Production version.

Reboot: Deprecated: use RunWithReturn Reboot. Reboot a Device, Collection or View.

RemoveAuthGroup: Remove Farm, Site or Collection Authorization for an AuthGroup. If no Site or Collection is specified, Farm Authorization is removed for the AuthGroup.

RemoveDevice: Remove a Device from a View.

RemoveDeviceFromDomain: Remove a Device, all Devices in a Collection or View from a Domain.

RemoveDirectory: Remove a Directory on the Server specified.

RemoveDisk: Remove a Disk from an Update Task.

RemoveDiskLocator: Remove a Disk Locator from a Device, Collection, View, or Site.

ResetDatabaseConnection: Cause the database location to be reloaded.

ResetDeviceForDomain: Reset a Device, all Devices in a Collection or View for a Domain.

RestartStreamService: Restart the Stream Service on a Server or all Servers in a Site.

RevertDiskVersion: Set the existing highest version disk to Maintenance or Test mode. A specified version can be reverted to Test mode if there are no Production versions higher than it. If the mode is Test, it can be set to Maintenance.

SetOverrideVersion: Specify a Disk Version all Production Devices will boot from.

SetupConnection: Setup the SOAP server connection that will be used for the MCLI and PowerShell command line interfaces.

Shutdown: Deprecated: use RunWithReturn Shutdown. Shutdown a Device, Collection or View.

StartStreamService: Start the Stream Service on a Server or all Servers in a Site.

StopStreamService: Stop the Stream Service on a Server or all Servers in a Site.

UnlockAllDisk: Remove all locks for a Disk.

UnlockDisk: Remove lock for the Disk.

UnmapDisk: No longer Map the Disk.

UpdateBDM: Update the bootstrap for Virtual Machine Devices. The Devices that are not active can only be updated.

ValidateDirectory: Validate a Directory on the Server specified.

## Return Type

none

## Return Type Description

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')[0].Trim()` will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: `Mcli-Help Codes`

## Parameters

*type*

Type of process to run. Valid values are ActivateDevice, AddDeviceToDomain, AddDiskVersion, ApplyAutoUpdate, ArchiveAuditTrail, AssignAuthGroup, AssignDevice, AssignDisk, AssignDiskLocator, AssignServer, Boot, CancelTask, ClearTask, CopyPasteDevice, CopyPasteDisk, CopyPasteServer, CreateDirectory, CreateDiskCancel, DisableCollection, DisableDevice, DisableDeviceDiskLocator, DisableDiskLocator, DiskUpdateCancel, DiskUpdateStart, DisplayMessage, EnableCollection, EnableDevice, EnableDeviceDiskLocator, EnableDiskLocator, ExportDisk, ExportOemLicenses, ForcelInventory, ImportDatabase, ImportDevices, ImportOemLicenses, MarkDown, MergeDisk, PromoteDiskVersion, Reboot, RemoveAuthGroup, RemoveDevice, RemoveDeviceFromDomain, RemoveDirectory, RemoveDisk, RemoveDiskLocator, ResetDatabaseConnection, ResetDeviceForDomain, RestartStreamService, RevertDiskVersion, SetOverrideVersion, SetupConnection, Shutdown, StartStreamService, StopStreamService, UnlockAllDisk, UnlockDisk, UnmapDisk, UpdateBDM or ValidateDirectory.

*p*

List of name=value pairs needed to define what to process. They are comma delimited.

## Help Example

### *Example Command*

Mcli-Help Run PromoteDiskVersion

### *Example Description*

Displays help on the parameters needed for the Type of Run. The PromoteDiskVersion above can be any of these values: ActivateDevice, AddDeviceToDomain, AddDiskVersion, ApplyAutoUpdate, ArchiveAuditTrail, AssignAuthGroup, AssignDevice, AssignDisk, AssignDiskLocator, AssignServer, Boot, CancelTask, ClearTask, CopyPasteDevice, CopyPasteDisk, CopyPasteServer, CreateDirectory, CreateDiskCancel, DisableCollection, DisableDevice, DisableDeviceDiskLocator, DisableDiskLocator, DiskUpdateCancel, DiskUpdateStart, DisplayMessage, EnableCollection, EnableDevice, EnableDeviceDiskLocator, EnableDiskLocator, ExportDisk, ExportOemLicenses, ForcelInventory, ImportDatabase, ImportDevices, ImportOemLicenses, MarkDown, MergeDisk, PromoteDiskVersion, Reboot, RemoveAuthGroup, RemoveDevice, RemoveDeviceFromDomain, RemoveDirectory, RemoveDisk, RemoveDiskLocator, ResetDatabaseConnection, ResetDeviceForDomain, RestartStreamService, RevertDiskVersion, SetOverrideVersion, SetupConnection, Shutdown, StartStreamService, StopStreamService, UnlockAllDisk, UnlockDisk, UnmapDisk, UpdateBDM or ValidateDirectory.

### *Example Output*

```
Commit the changes made in the current Maintenance or a Test version.  
Promotes the Maintenance version or a Test version to a Test or new  
Production version.
```

```
Mcli-Run PromoteDiskVersion[ -p name=value[, name2=value2]]
```

```
-p = parameters to specify the criteria are listed below:
```

```
This required
```

```
diskLocatorId      GUID of the Disk Locator File to Promote the Disk  
                    Version of.
```

```
or this required & resolution
```

```
diskLocatorName    Name of the Disk Locator File to Promote the Disk  
                    Version of.
```

```
Optional
```

```
scheduledDate      Date/Time the new disk version will become available.  
                    Format is: YYYY-MM-DD HH:MM
```

```
testVersion         Specifies the Test version number that should be  
                    Promoted to Production.
```

```
test                Set the mode of the Maintenance version to Test when 1.  
                    Default is 0.
```

One of these resolution when needed

siteId                   GUID of the Site.

siteName                 Name of the Site.

One of these resolution when needed

storeId                  GUID of the Store that is needed when a diskLocatorName is used.

storeName                Name of the Store that is needed when a diskLocatorName is used.

## Run PromoteDiskVersion Example

### *Example Command*

```
mcli-Run PromoteDiskVersion -p diskLocatorName=DiskLocator, siteName=Site, storeName=Store
```

### *Example Description*

Promotes the Maintenance version to Production.

### *Example Output*

```
Executing: Run PromoteDiskVersion
```

```
Run succeeded.
```

## MCLI-RunWithReturn

### Short Description

Run a process that has a string return value. Processes are Boot, CommandActions, CreateDisk, CreateDiskStatus, CreateMaintenanceVersion, DeviceCount, DiskLocatorCount, DisplayMessage, Enabled, Exists, ImportDisk, ListDirectories, MaintenanceVersionExists, MapDisk, MappedDiskId, MappedDriveLetter, MinimumLastAutoAddDeviceNumber, RebalanceDevices, Reboot, ServerCount, ServerName, ServerStoreActiveDeviceCount, Shutdown, StoreFreeSpace or TaskStatus.

### Detailed Description

Run a process that has a string return value. The format is:

```
Mcli-RunWithReturn <type>[ -p name=value[, name2=value2]]
```

type specifies the type of process to run. To get help on what parameters are needed for a specific type, enter Mcli-Help RunWithReturn <type>, for example: Mcli-Help RunWithReturn DeviceCount

-p has a list of name=value pair parameters as needed to run the process.

### Input Type

```
Mcli-RunWithReturn <type>[ -p name=value[, name2=value2]]
```

## Input Type Description

type can be any of these:

**Boot:** Boot a Device, Collection or View. Returns a taskId of the Task being run. With the taskId, call ReturnWithReturn TaskStatus to get the percent complete, Get Task to get the results, and Run CancelTask to stop it early. The Task result has the deviceName/value of the devices that succeeded in the first name/value pair of each record of the XML.

**CommandActions:** Get a comma delimited list of Command Actions.

**CreateDisk:** Create a Disk and the Disk Locator for it. Return the GUID of the DiskLocator created. If "" is returned as the GUID, then call CreateDiskStatus to get the final GUID when processing finishes.

**CreateDiskStatus:** Get the Percent Finished for an active CreateDisk. When finished, the GUID of the DiskLocator created is returned.

**CreateMaintenanceVersion:** Create a Maintenance version for the Disk Locator. Return the name of the new version file.

**DeviceCount:** Get count of Devices in a Collection or View.

**DiskLocatorCount:** Get count of Disk Locators for a Site and Type.

**DisplayMessage:** Display a message on a Device, a Site, Collection or View. Returns a taskId of the Task being run. With the taskId, call ReturnWithReturn TaskStatus to get the percent complete, Get Task to get the results, and Run CancelTask to stop it early. The Task result has the deviceName/value of the devices that succeeded in the first name/value pair of each record of the XML.

**Enabled:** Return 1 if a Collection, Device, DiskLocator, or Device/DiskLocator is enabled. If a collectionName or diskLocatorName is specified, siteName or siteId must be included. If both the Device and DiskLocator are specified, the Enabled setting for the combination is returned.

**Exists:** Return 1 if a Site, Server, Collection, View, Device, Store, Update Task or Virtual Hosting Pool Name is already used. If a collectionName, siteViewName, updateTaskName or virtualHostingPoolName is specified, siteName or siteId must be included.

**ImportDisk:** Import a Disk. It will add a Disk Locator for the Disk to the Site. A manifest file must exist in the Store. The return value is the GUID of the DiskLocator added.

**ListDirectories:** Look for Directories or Drives on the Server specified. Return a comma delimited list of the Directories or Drives found.

**MaintenanceVersionExists:** Return 1 if the if the DiskLocator has a maintenance version, 0 otherwise.

**MapDisk:** Map a disk. If successful, the drive letter or an empty string is returned. An empty string can be returned if a drive letter was not assigned by the operating system before the maxDiskLetterWaitSeconds is used up.

MappedDiskId: If there is currently a mapped disk, return the diskLocatorId of the mapped disk.

MappedDriveLetter: If there is currently a Mapped Drive, return the Letter of the Drive.

MinimumLastAutoAddDeviceNumber: Get the minimum that the Device Number of the last Auto Added Device can be.

RebalanceDevices: Rebalance Devices for a Server. When successful, returns the number of Devices affected.

Reboot: Reboot a Device, Collection or View. Returns a taskId of the Task being run. With the taskId, call ReturnWithReturn TaskStatus to get the percent complete, Get Task to get the results, and Run CancelTask to stop it early. The Task result has the deviceName/value of the devices that succeeded in the first name/value pair of each record of the XML.

ServerCount: Get count of Servers in a Site.

ServerName: Return the name of the Server the SoapServer is running on.

ServerStoreActiveDeviceCount: Get the count of Devices currently connected to any vdisk served from the Store by the Server.

Shutdown: Shutdown a Device, Collection or View. Returns a taskId of the Task being run. With the taskId, call ReturnWithReturn TaskStatus to get the percent complete, Get Task to get the results, and Run CancelTask to stop it early. The Task result has the deviceName/value of the devices that succeeded in the first name/value pair of each record of the XML.

StoreFreeSpace: Get the free megabytes available in the Store.

TaskStatus: Get the status of a Task in percent complete.

## Return Type

If successful a string is returned after the "returnValue = ".

## Return Type Description

Before executing a command, \$error.Clear() should be called. After executing a command, it was successful if \$error.Count equals 0. If \$error.Count > 0 then \$error[0].FullyQualifiedErrorId.Split(',')[0].Trim() will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: Mcli-Help Codes

## Parameters

*type*

Type of process to run. Valid values are Boot, CommandActions, CreateDisk, CreateDiskStatus, CreateMaintenanceVersion, DeviceCount, DiskLocatorCount, DisplayMessage, Enabled, Exists, ImportDisk, ListDirectories, MaintenanceVersionExists, MapDisk, MappedDiskId, MappedDriveLetter,

MinimumLastAutoAddDeviceNumber, RebalanceDevices, Reboot, ServerCount, ServerName, ServerStoreActiveDeviceCount, Shutdown, StoreFreeSpace or TaskStatus.

*p*

List of name=value pairs needed to define what to process. They are comma delimited.

## Help Example

*Example Command*

Mcli-Help RunWithReturn DeviceCount

*Example Description*

Displays help on the parameters needed for the Type of RunWithReturn. The DeviceCount above can be any of these values: Boot, CommandActions, CreateDisk, CreateDiskStatus, CreateMaintenanceVersion, DeviceCount, DiskLocatorCount, DisplayMessage, Enabled, Exists, ImportDisk, ListDirectories, MaintenanceVersionExists, MapDisk, MappedDiskId, MappedDriveLetter, MinimumLastAutoAddDeviceNumber, RebalanceDevices, Reboot, ServerCount, ServerName, ServerStoreActiveDeviceCount, Shutdown, StoreFreeSpace or TaskStatus.

*Example Output*

Get count of Devices in a Collection or View.

```
Mcli-RunWithReturn DeviceCount[ -p name=value[, name2=value2]]
```

-p = parameters to specify the criteria are listed below:

One of these required

collectionId	GUID of the Collection to get the Device Count of.
siteViewId	GUID of the Site View to get the Device Count of.
farmViewId	GUID of the Farm View to get the Device Count of.
farmViewName	Name of the Farm View to get the Device Count of.

or one of these required & resolution

collectionName	Name of the Collection to get the Device Count of.
siteViewName	Name of the Site View to get the Device Count of.

One of these resolution when needed

siteId	GUID of the Site.
siteName	Name of the Site.

## RunWithReturn DeviceCount Example

*Example Command*

```
mcli-RunWithReturn DeviceCount -p collectionName=Collection, siteName=Site
```

### *Example Description*

Returns the count of Devices in the Collection of the Site.

### *Example Output*

```
Executing: RunWithReturn DeviceCount  
RunWithReturn succeeded. returnValue = 309
```

## **MCLI-Set**

### **Short Description**

Set values for one or more AuthGroup, Collection, Device, Disk, DiskLocator, DiskUpdateDevice, DiskVersion, Farm, FarmView, Server, ServerBiosBootstrap, ServerBootstrap, ServerStore, Site, SiteView, Store, UpdateTask, VirtualHostingPool or XDSite.

### **Detailed Description**

Set values for one or more objects. The format is:

```
Set values for one or more objects. The format is:  
Mcli-Set <type>[ -p name=value[, name2=value2]] <-r name=value[,  
name2=value2]>  
type specifies the type of object being set. To get help on what parameters  
are needed for a specific type, enter Mcli-Help Set <type>, for example:  
Mcli-Help Set Device  
-p has a list of name=value pair parameters as needed to set the object.  
-r has the definition of the record name=value pairs needed to be set.
```

### **Input Type**

```
Mcli-Set <type>[ -p name=value[, name2=value2]] <-r name=value[,  
name2=value2]>
```

### **Input Type Description**

type can be any of these:

AuthGroup: Set one or more field values for an AuthGroup.

Collection: Set one or more field values for a Collection.

Device: Set one or more field values for one or more Devices.

Disk: Set one or more field values for a Disk.

DiskLocator: Set one or more field values for a Disk Locator.

DiskUpdateDevice: Set one or more field values for one or more Disk Update Devices.

DiskVersion: Set one or more field values for one Disk Version.

Farm: Set one or more field values for a Farm.

FarmView: Set one or more field values for a Farm View.

Server: Set one or more field values for a Server. Restart the Stream Service after setting the fields.

ServerBiosBootstrap: Oem Only: Set the bootstrap fields for the Server dell\_bios.bin BIOS bootstrap file.

ServerBootstrap: Set the bootstrap fields for the Server and named bootstrap file specified.

ServerStore: Set the directory path and cache paths of a Server for a Store.

Site: Set one or more field values for a Site.

SiteView: Set one or more field values for a Site View.

Store: Set one or more field values for a Store.

UpdateTask: Set one or more field values for an Update Task.

VirtualHostingPool: Set one or more field values for a Virtual Hosting Pool.

XDSite: Set the configServices field value for a XenDesktop Site.

## Return Type

None

## Return Type Description

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')[0].Trim()` will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: `Mcli-Help Codes`

## Parameters

*type*

Type of object to set. Valid values are AuthGroup, Collection, Device, Disk, DiskLocator, DiskUpdateDevice, DiskVersion, Farm, FarmView, Server, ServerBiosBootstrap, ServerBootstrap, ServerStore, Site, SiteView, Store, UpdateTask, VirtualHostingPool or XDSite.

*p*

List of name=value pairs needed to define what to process. They are comma delimited.

*r*

List of name=value pairs needed to be set. They are comma delimited.

## Help Example

*Example Command*

`Mcli-Help Set Device`

### Example Description

Displays help on the parameters needed for the Type of Set. The Device above can be any of these values: AuthGroup, Collection, Device, Disk, DiskLocator, DiskUpdateDevice, DiskVersion, Farm, FarmView, Server, ServerBiosBootstrap, ServerBootstrap, ServerStore, Site, SiteView, Store, UpdateTask, VirtualHostingPool or XDSite.

### Example Output

Set one or more field values for one or more Devices.

```
Mcli-Set Device <-p name=value> <-r name=value[, name2=value2]>
```

-p = parameters to specify the criteria are listed below:

One of these required

deviceId	GUID of the Device to Set.
deviceName	Name of the Device to Set.
deviceMac	MAC of the Device to Set.
collectionId	GUID of the Collection to set all Devices. deviceName and deviceMac cannot be set.
siteViewId	GUID of the Site View to set all Devices. deviceName and deviceMac cannot be set.
farmViewId	GUID of the Farm View to set all Devices. deviceName and deviceMac cannot be set.
farmViewName	Name of the Farm View to set all Devices. deviceName and deviceMac cannot be set.

or one of these required & resolution

collectionName	Name of the Collection to set all Devices. deviceName and deviceMac cannot be set.
siteViewName	Name of the Site View to set all Devices. deviceName and deviceMac cannot be set.

One of these resolution when needed

siteId	GUID of the Site.
siteName	Name of the Site.

-r = record values to be set.

deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. This cannot be Set for a Device with Personal vDisk. Min=1, Max=3, Default=1

className	Used by Automatic Update feature to match new versions of Disks to a Device. This cannot be Set for a Device with Personal vDisk. Default="" Max Length=41
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
enabled	1 when it can be booted, 0 otherwise. This cannot be Set for a Device with Personal vDisk. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. This cannot be Set for a Device with Personal vDisk. Default=0
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. This cannot be Set for a Device with Personal vDisk. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=20
password	Password of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=100
adTimestamp	The time the Active Directory machine account password was generated. Do not set this field, it is only set internally by PVS. Default=0
adSignature	The signature of the Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Do not set this field, it is only set internally by PVS. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=4000

domainTimeCreated	The time that the computer account was created. Do not set this field, it is only set internally by PVS. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
type	1 when it performs test of Disks, 2 when it performs maintenance on Disks, 3 when it has a Personal vDisk, 4 when it has a Personal vDisk and performs tests, 0 otherwise. A  Device with type 0 - 3 can only be Set to 0 - 3, and a Device with type 3 - 4 can only be Set to 3 - 4. Min=0, Max=4, Default=0
localWriteCacheDiskSize	The size in GB to format the Device cache file disk. If the value is 0, then the disk is not formatted. Min=0, Max=2048, Default=0
bdmBoot	Use BDM instead of PXE boot when set to 1. Default=0

## Set Device Example

### *Example Command*

```
mcli-Set Device -p collectionName=Collection, siteName=Site -r className="Collection Class"
```

### *Example Description*

Sets the className to "Collection Class" in all of the Devices in the Collection of the Site.

### *Example Output*

```
Executing: Set Device
Set succeeded.
```

## MCLI-SetList

### Short Description

Set a list of record values for a DeviceBootstraps, DeviceCustomProperty, DeviceDiskPrinters, DevicePersonality, DiskLocatorCustomProperty or ServerCustomProperty.

### Detailed Description

Set a list of record values for an object. The format is:

```
Mcli-SetList <type>[ -r record1field=value[, record1field2=value2][, record2field=value[, record2field2=value2]]]
type specifies the type of object being set. To get help on what parameters are needed for a specific type, enter Mcli-Help SetList <type>, for example:
Mcli-Help SetList ServerCustomProperty
-p has a list of name=value pair parameters as needed to set the object.
-r has the definition of the records name=value pairs needed to be set. Each record must have the same fields.
```

## Input Type

```
Mcli-SetList <type>[ -r record1field=value[, record1field2=value2][,  
record2field=value[, record2field2=value2]]]
```

## Input Type Description

type can be any of these:

DeviceBootstraps: Set the Bootstrap Files for a Device.

DeviceCustomProperty: Set the Device Custom Property names and values.

DeviceDiskPrinters: Set one or more Printer settings. Only the changed items need to be passed. To remove a Printer, set it as disabled.

DevicePersonality: Set the Device Personality names and values.

DiskLocatorCustomProperty: Set the DiskLocator Custom Property names and values.

ServerCustomProperty: Set the Server Custom Property names and values.

## Return Type

None

## Return Type Description

Before executing a command, `$error.Clear()` should be called. After executing a command, it was successful if `$error.Count` equals 0. If `$error.Count > 0` then `$error[0].FullyQualifiedErrorId.Split(',')[0].Trim()` will be equal to one of the return codes.

To get help on return codes, specify only Codes.

For example: `Mcli-Help Codes`

## Parameters

*type*

Type of object to set a list of values for. Valid values are DeviceBootstraps, DeviceCustomProperty, DeviceDiskPrinters, DevicePersonality, DiskLocatorCustomProperty or ServerCustomProperty.

*p*

List of name=value pairs needed to define what to process. They are comma delimited.

*r*

List of name=value pairs needed to be set. They are comma delimited. There is no delimiter between records, but the same fields must be set for each record.

## Help Example

*Example Command*

```
Mcli-Help SetList DevicePersonality
```

### Example Description

Displays help on the parameters needed for the Type of SetList. The DevicePersonality above can be any of these values: DeviceBootstraps, DeviceCustomProperty, DeviceDiskPrinters, DevicePersonality, DiskLocatorCustomProperty or ServerCustomProperty.

### Example Output

```
Set the Device Personality names and values.
Mcli-SetList DevicePersonality <-p name=value> <-r rec1name=value[,
    rec1name2=value2]>[, rec2name=value[, rec2name2=value2]]
-p = parameters to specify the criteria are listed below:
One of these required
deviceId      GUID of the Device.
deviceName    Name of the Device.
deviceMac     MAC of the Device.
-r = records with values to be set. The records should each have the same
    files.
name         Name of the Device personality item. Max Length=250
value        Value for the Device personality item. Max Length=1000
```

## SetList DevicePersonality Example

### Example Command

```
mcli-SetList DevicePersonality -p deviceName=Device -r name=personality1,
value=value1, name=personality2, value=value2
```

### Example Description

Sets the Device personality to personality1=value1 and personality2=value2.

### Example Output

```
Executing: SetList DevicePersonality
SetList succeeded.
```

## Short command list

### Mcli-Add

```
Mcli-Add AuthGroup
Mcli-Add CeipData
Mcli-Add CisData
Mcli-Add Collection
Mcli-Add Device
Mcli-Add DeviceWithPersonalvDisk
Mcli-Add DiskLocator
```

Mcli-Add DiskUpdateDevice  
Mcli-Add FarmView  
Mcli-Add Server  
Mcli-Add Site  
Mcli-Add SiteView  
Mcli-Add Store  
Mcli-Add UpdateTask  
Mcli-Add VirtualHostingPool

## **Mcli-Delete**

Mcli-Delete AuthGroup  
Mcli-Delete Collection  
Mcli-Delete Device  
Mcli-Delete DeviceDiskCacheFile  
Mcli-Delete DiskLocator  
Mcli-Delete DiskUpdateDevice  
Mcli-Delete DiskVersion  
Mcli-Delete FarmView  
Mcli-Delete Server  
Mcli-Delete ServerStore  
Mcli-Delete Site  
Mcli-Delete SiteView  
Mcli-Delete Store  
Mcli-Delete UpdateTask  
Mcli-Delete VirtualHostingPool

## **Mcli-Get**

Mcli-Get AdDomains  
Mcli-Get AuditActionParameters  
Mcli-Get AuditActionProperties  
Mcli-Get AuditActionSibling  
Mcli-Get AuditTrail  
Mcli-Get AuthGroup  
Mcli-Get AuthGroupUsage  
Mcli-Get CeipData  
Mcli-Get CisData  
Mcli-Get Collection  
Mcli-Get CommandDescription

Mcli-Get CommandFields  
Mcli-Get CommandParameters  
Mcli-Get CommandSortFields  
Mcli-Get CommandStandardParameters  
Mcli-Get Device  
Mcli-Get DeviceBootstraps  
Mcli-Get DeviceCustomProperty  
Mcli-Get DeviceDiskPrinters  
Mcli-Get DeviceDiskTempVersion  
Mcli-Get DeviceInfo  
Mcli-Get DevicePersonality  
Mcli-Get DeviceStatus  
Mcli-Get Disk  
Mcli-Get DiskInfo  
Mcli-Get DiskInventory  
Mcli-Get DiskLocator  
Mcli-Get DiskLocatorCustomProperty  
Mcli-Get DiskLocatorLock  
Mcli-Get DiskPrinters  
Mcli-Get DiskUpdateDevice  
Mcli-Get DiskUpdateStatus  
Mcli-Get DiskVersion  
Mcli-Get ExceptionDescriptions  
Mcli-Get Farm  
Mcli-Get FarmView  
Mcli-Get Groups  
Mcli-Get NewVersionDisks  
Mcli-Get Server  
Mcli-Get ServerBiosBootstrap  
Mcli-Get ServerBootstrap  
Mcli-Get ServerBootstrapNames  
Mcli-Get ServerCustomProperty  
Mcli-Get ServerInfo  
Mcli-Get ServerStatus  
Mcli-Get ServerStore  
Mcli-Get Site  
Mcli-Get SiteView

Mcli-Get Store  
Mcli-Get StoreSharedOrServerPath  
Mcli-Get Task  
Mcli-Get UndefinedDisks  
Mcli-Get UpdateTask  
Mcli-Get VirtualHostingPool  
Mcli-Get XDSTite

## Mcli-Info

Mcli-Info Group  
Mcli-Info LocalServer  
Mcli-Info MapiErrorCode  
Mcli-Info Version

## Mcli-Run

Mcli-Run ActivateDevice  
Mcli-Run AddDeviceToDomain  
Mcli-Run AddDiskVersion  
Mcli-Run ApplyAutoUpdate  
Mcli-Run ArchiveAuditTrail  
Mcli-Run AssignAuthGroup  
Mcli-Run AssignDevice  
Mcli-Run AssignDisk  
Mcli-Run AssignDiskLocator  
Mcli-Run AssignServer  
Mcli-Run Boot  
Mcli-Run CancelTask  
Mcli-Run ClearTask  
Mcli-Run CopyPasteDevice  
Mcli-Run CopyPasteDisk  
Mcli-Run CopyPasteServer  
Mcli-Run CreateDirectory  
Mcli-Run CreateDiskCancel  
Mcli-Run DisableCollection  
Mcli-Run DisableDevice  
Mcli-Run DisableDeviceDiskLocator  
Mcli-Run DisableDiskLocator  
Mcli-Run DiskUpdateCancel

Mcli-Run DiskUpdateStart  
Mcli-Run DisplayMessage  
Mcli-Run EnableCollection  
Mcli-Run EnableDevice  
Mcli-Run EnableDeviceDiskLocator  
Mcli-Run EnableDiskLocator  
Mcli-Run ExportDisk  
Mcli-Run ExportOemLicenses  
Mcli-Run ForceInventory  
Mcli-Run ImportDatabase  
Mcli-Run ImportDevices  
Mcli-Run ImportOemLicenses  
Mcli-Run MarkDown  
Mcli-Run MergeDisk  
Mcli-Run PromoteDiskVersion  
Mcli-Run Reboot  
Mcli-Run RemoveAuthGroup  
Mcli-Run RemoveDevice  
Mcli-Run RemoveDeviceFromDomain  
Mcli-Run RemoveDirectory  
Mcli-Run RemoveDisk  
Mcli-Run RemoveDiskLocator  
Mcli-Run ResetDatabaseConnection  
Mcli-Run ResetDeviceForDomain  
Mcli-Run RestartStreamService  
Mcli-Run RevertDiskVersion  
Mcli-Run SetOverrideVersion  
Mcli-Run SetupConnection  
Mcli-Run Shutdown  
Mcli-Run StartDeviceDiskTempVersionMode  
Mcli-Run StartStreamService  
Mcli-Run StopDeviceDiskTempVersionMode  
Mcli-Run StopStreamService  
Mcli-Run UnloadConnection  
Mcli-Run UnlockAllDisk  
Mcli-Run UnlockDisk  
Mcli-Run UnmapDisk

Mcli-Run ValidateDirectory

## **Mcli-RunWithReturn**

Mcli-RunWithReturn Boot  
Mcli-RunWithReturn CommandActions  
Mcli-RunWithReturn CreateDisk  
Mcli-RunWithReturn CreateDiskStatus  
Mcli-RunWithReturn CreateMaintenanceVersion  
Mcli-RunWithReturn DeviceCount  
Mcli-RunWithReturn DiskLocatorCount  
Mcli-RunWithReturn DisplayMessage  
Mcli-RunWithReturn Enabled  
Mcli-RunWithReturn Exists  
Mcli-RunWithReturn ImportDisk  
Mcli-RunWithReturn ListDirectories  
Mcli-RunWithReturn MaintenanceVersionExists  
Mcli-RunWithReturn MapDisk  
Mcli-RunWithReturn MappedDiskId  
Mcli-RunWithReturn MappedDriveLetter  
Mcli-RunWithReturn MinimumLastAutoAddDeviceNumber  
Mcli-RunWithReturn RebalanceDevices  
Mcli-RunWithReturn Reboot  
Mcli-RunWithReturn ReportBug  
Mcli-RunWithReturn ServerCount  
Mcli-RunWithReturn ServerName  
Mcli-RunWithReturn ServerStoreActiveDeviceCount  
Mcli-RunWithReturn Shutdown  
Mcli-RunWithReturn StoreFreeSpace  
Mcli-RunWithReturn TaskStatus  
Mcli-RunWithReturn UpdateBDM  
Mcli-RunWithReturn UploadCeip

## **Mcli-Set**

Mcli-Set AuthGroup  
Mcli-Set CeipData  
Mcli-Set CisData  
Mcli-Set Collection  
Mcli-Set Device

Mcli-Set Disk  
Mcli-Set DiskLocator  
Mcli-Set DiskUpdateDevice  
Mcli-Set DiskVersion  
Mcli-Set Farm  
Mcli-Set FarmView  
Mcli-Set Server  
Mcli-Set ServerBiosBootstrap  
Mcli-Set ServerBootstrap  
Mcli-Set ServerStore  
Mcli-Set Site  
Mcli-Set SiteView  
Mcli-Set Store  
Mcli-Set UpdateTask  
Mcli-Set VirtualHostingPool  
Mcli-Set XDSite

## Mcli-SetList

Mcli-SetList DeviceBootstraps  
Mcli-SetList DeviceCustomProperty  
Mcli-SetList DeviceDiskPrinters  
Mcli-SetList DevicePersonality  
Mcli-SetList DiskLocatorCustomProperty  
Mcli-SetList ServerCustomProperty

## Commands by Object Type

### Many

Mcli-Get AuditActionParameters  
Mcli-Get AuditActionProperties  
Mcli-Get AuditActionSibling  
Mcli-Get AuditTrail  
Mcli-Get CommandDescription  
Mcli-Get CommandFields  
Mcli-Get CommandParameters  
Mcli-Get CommandSortFields  
Mcli-Get CommandStandardParameters  
Mcli-Get ExceptionDescriptions

Mcli-Run ResetDatabaseConnection  
Mcli-Run SetupConnection  
Mcli-Run UnloadConnection  
Mcli-RunWithReturn CommandActions  
Mcli-RunWithReturn Enabled  
Mcli-RunWithReturn Exists

## AuthGroup

Mcli-Add AuthGroup  
Mcli-Delete AuthGroup  
Mcli-Get AuthGroup  
Mcli-Get AuthGroupUsage  
Mcli-Run AssignAuthGroup  
Mcli-Run RemoveAuthGroup  
Mcli-Set AuthGroup

## CeipData

Mcli-Add CeipData  
Mcli-Get CeipData  
Mcli-RunWithReturn UploadCeip  
Mcli-Set CeipData

## CisData

Mcli-Add CisData  
Mcli-Get CisData  
Mcli-Set CisData

## Collection

Mcli-Add Collection  
Mcli-Delete Collection  
Mcli-Get Collection  
Mcli-Run DisableCollection  
Mcli-Run EnableCollection  
Mcli-RunWithReturn MinimumLastAutoAddDeviceNumber  
Mcli-Set Collection

## Device

Mcli-Add Device  
Mcli-Add DeviceWithPersonalvDisk

Mcli-Delete Device  
Mcli-Delete DeviceDiskCacheFile  
Mcli-Get Device  
Mcli-Get DeviceBootstraps  
Mcli-Get DeviceCustomProperty  
Mcli-Get DeviceDiskPrinters  
Mcli-Get DeviceDiskTempVersion  
Mcli-Get DeviceInfo  
Mcli-Get DevicePersonality  
Mcli-Get DeviceStatus  
Mcli-Run ActivateDevice  
Mcli-Run AddDeviceToDomain  
Mcli-Run AssignDevice  
Mcli-Run Boot  
Mcli-Run CopyPasteDevice  
Mcli-Run DisableDevice  
Mcli-Run DisableDeviceDiskLocator  
Mcli-Run DisplayMessage  
Mcli-Run EnableDevice  
Mcli-Run EnableDeviceDiskLocator  
Mcli-Run ExportOemLicenses  
Mcli-Run ImportDatabase  
Mcli-Run ImportDevices  
Mcli-Run ImportOemLicenses  
Mcli-Run MarkDown  
Mcli-Run Reboot  
Mcli-Run RemoveDevice  
Mcli-Run RemoveDeviceFromDomain  
Mcli-Run ResetDeviceForDomain  
Mcli-Run Shutdown  
Mcli-Run StartDeviceDiskTempVersionMode  
Mcli-Run StopDeviceDiskTempVersionMode  
Mcli-RunWithReturn Boot  
Mcli-RunWithReturn DeviceCount  
Mcli-RunWithReturn DisplayMessage  
Mcli-RunWithReturn Reboot  
Mcli-RunWithReturn Shutdown

Mcli-RunWithReturn UpdateBDM  
Mcli-Set Device  
Mcli-SetList DeviceBootstraps  
Mcli-SetList DeviceCustomProperty  
Mcli-SetList DeviceDiskPrinters  
Mcli-SetList DevicePersonality

## Disk

Mcli-Add DiskUpdateDevice  
Mcli-Add VirtualHostingPool  
Mcli-Delete DiskUpdateDevice  
Mcli-Delete DiskVersion  
Mcli-Delete VirtualHostingPool  
Mcli-Get Disk  
Mcli-Get DiskInfo  
Mcli-Get DiskInventory  
Mcli-Get DiskPrinters  
Mcli-Get DiskUpdateDevice  
Mcli-Get DiskUpdateStatus  
Mcli-Get DiskVersion  
Mcli-Get NewVersionDisks  
Mcli-Get UndefinedDisks  
Mcli-Get VirtualHostingPool  
Mcli-Run AddDiskVersion  
Mcli-Run AssignDisk  
Mcli-Run CopyPasteDisk  
Mcli-Run CreateDiskCancel  
Mcli-Run ExportDisk  
Mcli-Run ForceInventory  
Mcli-Run MergeDisk  
Mcli-Run PromoteDiskVersion  
Mcli-Run RemoveDisk  
Mcli-Run RevertDiskVersion  
Mcli-Run SetOverrideVersion  
Mcli-Run UnlockAllDisk  
Mcli-Run UnlockDisk  
Mcli-Run UnmapDisk  
Mcli-RunWithReturn CreateDisk

Mcli-RunWithReturn CreateDiskStatus  
Mcli-RunWithReturn CreateMaintenanceVersion  
Mcli-RunWithReturn ImportDisk  
Mcli-RunWithReturn MaintenanceVersionExists  
Mcli-RunWithReturn MapDisk  
Mcli-RunWithReturn MappedDiskId  
Mcli-RunWithReturn MappedDriveLetter  
Mcli-Set Disk  
Mcli-Set DiskUpdateDevice  
Mcli-Set DiskVersion  
Mcli-Set VirtualHostingPool

## DiskLocator

Mcli-Add DiskLocator  
Mcli-Delete DiskLocator  
Mcli-Get DiskLocator  
Mcli-Get DiskLocatorCustomProperty  
Mcli-Get DiskLocatorLock  
Mcli-Run AssignDiskLocator  
Mcli-Run DisableDiskLocator  
Mcli-Run EnableDiskLocator  
Mcli-Run RemoveDiskLocator  
Mcli-RunWithReturn DiskLocatorCount  
Mcli-Set DiskLocator  
Mcli-SetList DiskLocatorCustomProperty

## Farm

Mcli-Get Farm  
Mcli-Get XDSTable  
Mcli-Run ArchiveAuditTrail  
Mcli-Set Farm  
Mcli-Set XDSTable

## FarmView

Mcli-Add FarmView  
Mcli-Delete FarmView  
Mcli-Get FarmView  
Mcli-Set FarmView

## Server

Mcli-Add Server  
Mcli-Delete Server  
Mcli-Delete ServerStore  
Mcli-Get Server  
Mcli-Get ServerBiosBootstrap  
Mcli-Get ServerBootstrap  
Mcli-Get ServerBootstrapNames  
Mcli-Get ServerCustomProperty  
Mcli-Get ServerInfo  
Mcli-Get ServerStatus  
Mcli-Get ServerStore  
Mcli-Run ApplyAutoUpdate  
Mcli-Run AssignServer  
Mcli-Run CopyPasteServer  
Mcli-Run CreateDirectory  
Mcli-Run RemoveDirectory  
Mcli-Run RestartStreamService  
Mcli-Run StartStreamService  
Mcli-Run StopStreamService  
Mcli-Run ValidateDirectory  
Mcli-RunWithReturn ListDirectories  
Mcli-RunWithReturn RebalanceDevices  
Mcli-RunWithReturn ReportBug  
Mcli-RunWithReturn ServerCount  
Mcli-RunWithReturn ServerName  
Mcli-RunWithReturn ServerStoreActiveDeviceCount  
Mcli-Set Server  
Mcli-Set ServerBiosBootstrap  
Mcli-Set ServerBootstrap  
Mcli-Set ServerStore  
Mcli-SetList ServerCustomProperty

## Site

Mcli-Add Site  
Mcli-Delete Site  
Mcli-Get Site

Mcli-Get StoreSharedOrServerPath  
Mcli-Set Site

## SiteView

Mcli-Add SiteView  
Mcli-Delete SiteView  
Mcli-Get SiteView  
Mcli-Set SiteView

## Store

Mcli-Add Store  
Mcli-Delete Store  
Mcli-Get Store  
Mcli-RunWithReturn StoreFreeSpace  
Mcli-Set Store

## System

Mcli-Get AdDomains  
Mcli-Get Groups  
Mcli-Info Group  
Mcli-Info LocalServer  
Mcli-Info MapiErrorCode  
Mcli-Info Version

## Task

Mcli-Get Task  
Mcli-Run CancelTask  
Mcli-Run ClearTask  
Mcli-RunWithReturn TaskStatus

## UpdateTask

Mcli-Add UpdateTask  
Mcli-Delete UpdateTask  
Mcli-Get UpdateTask  
Mcli-Run DiskUpdateCancel  
Mcli-Run DiskUpdateStart  
Mcli-Set UpdateTask

## Error codes

- 0 Success: The command succeeded.
- 1 NotImplemented: The [v1] feature has not been implemented.
- 2 InvalidCommand: The [v1] command does not exist.
- 3 InvalidField: The [v1] field does not exist.
- 4 InvalidFieldFormat: The [v1] field is not formatted properly, the correct format is [v2].
- 5 InvalidParameter: The [v1] parameter is not valid.
- 6 InvalidParameterFormat: The [v1] parameter is not formatted property, the correct format is [v2].
- 7 ReadOnlyField: Unable to change the [v1] field because it is read-only.
- 8 RequiredFieldMissing: The required [v1] field is missing.
- 9 RequiredFieldsMissing: The required [v1] or [v2] field is missing.
- 10 RequiredParameterMissing: The required [v1] parameter is missing.
- 11 RequiredParametersMissing: The required [v1] or [v2] parameter is missing.
- 12 InternalIdAndNameFieldsMustBeDefined: An internal error occurred. The [v1] field is not the next FieldSettings object after the ID.
- 13 NoFarmAccess: The domain/user does not have access to the Farm.
- 14 InvalidForeignKeyValue: The [v1] field with value [v2] is an invalid foreign key.
- 15 SetupError: The system was not configured correctly.
- 16 Executing: The [v1] command can only be called one at a time. Wait for the command to finish before running again.
- 17 NoDiskMapped: A vDisk has not yet been mapped.
- 18 DatabaseError: A database error occurred.
- 19 DuplicateKey: To avoid creating a duplicate key, the Add or Set command was cancelled.
- 20 DatabaseErrorMissed: An internal error occurred. An uncaught database error occurred.
- 21 AddCommandFailed: No objects were added during the last 'Add' command.
- 22 InsufficientPrivileges: Access denied. The appropriate privileges are not assigned to perform this task.
- 23 ZeroObjectsAffected: No object was added, updated, or deleted in the last operation.
- 24 OtherException: An unexpected MAPI error occurred.
- 25 InvalidFieldLength: The [v1] field value is too long, maximum length is [v2].
- 26 InvalidFieldValueMinMax: The [v1] field value is invalid, the minimum is [v2] and the maximum is [v3].
- 27 InvalidFieldValue: The [v1] field can only have values [v2] or [v3].

- 28 TooManyParameters: More parameters were specified than permitted.
- 29 TooFewParameters: Not enough identifying parameters specified.
- 30 FollowingParametersMissing: To use the [v1] parameter, [v2] or [v3] must also be used.
- 31 InconsistentData: The action is canceled because the Store directory date/times does not match. Update the Store directories to match.
- 32 DatabaseOpenFailed: Unable to contact the database server. Ensure Provisioning Services is configured correctly.
- 33 DatabaseVersionWrong: The wrong database version is being used. Found version number: [v1] Expected version number: [v2]
- 34 DatabaseVersionNotFound: The database version number does not exist or was not found. Ensure Provisioning Services is configured correctly.
- 35 SomeRequiredParametersMissing: Required parameters are missing.
- 36 PartialError: The following items failed:
  - item1 Error message...
  - item2 Error message...
- 37 NoItemsToProcess: There are no items to process.
- 38 NoDefaultCollectionDefined: Unable to add a Device until a default Collection is set.
- 39 NoDefaultSiteDefined: A default Site is not set, no Devices can be added.
- 40 InvalidCollection: The specified Collection does not exist.
- 41 InvalidAuthGroup: The specified AuthGroup does not exist.
- 42 InvalidGroup: The specified Group does not exist.
- 43 InvalidDevice: The specified Device does not exist.
- 44 InvalidDiskLocator: The specified vDisk does not exist.
- 45 InvalidServer: The specified Server does not exist.
- 46 InvalidServerSite: Server specified is not in the Site specified.
- 47 InvalidStoreSite: Store specified is not for the Site specified.
- 48 InvalidSiteView: The specified Site View does not exist.
- 49 InvalidSite: The specified Site does not exist.
- 50 InvalidDeviceDiskLocator: The specified Device or vDisk does not exist.
- 51 InvalidDeviceImport: Import failed because the file must have Device Name, Mac Address, Site Name, and Collection Name, and they must be tab or comma-delimited.
- 52 InvalidServerFrom: The Server to copy [v1]=[v2] was not found.
- 53 InvalidServerTo: No Server to copy to ([v1]=[v2]) was found.
- 54 InvalidDeviceFrom: The Device to copy [v1]=[v2] was not found.
- 55 InvalidDeviceTo: No Devices to copy to are found.
- 56 InvalidDiskFrom: The vDisk to copy [v1]=[v2] was not found.

- 57 InvalidDiskTo: No vDisk to copy to ([v1]=[v2]) was found.
- 58 InvalidDiskPath: The path '[v1]' to the vDisk file is not found.
- 59 VDiskFileNotFound: [v1]: vDisk file was not found.
- 60 InvalidDiskServer: There is no Server that can serve the vDisk [v1] or the Store to which this vDisk belongs. Verify that one or more Servers belonging to the Store are online and that there is sufficient free space for the operation you are attempting.
- 61 InvalidDiskForServer: Server [v1] cannot access all versions of vDisk [v2], the vDisk was updated on at least one other Server.
- 62 SameSiteRequired: Objects within the same Site must be selected.
- 63 TooFewFields: Not enough fields for a record.
- 64 ADerrorDC: Unable to connect to the Domain Controller (if any) or the default rootDSE. Error code: [v1], message: [v2], provider: [v3].
- 65 ADerrorOU: Unable to get the Organizational Unit setting (if any). Error code: [v1], message: [v2], provider: [v3].
- 66 ADerrorDefaultContainer: Unable to get the default computer accounts container (default location is Active Directory root> Computers). Error code: [v1], message: [v2], provider: [v3].
- 67 ADerrorCreate: Unable to create the computer account in Active Directory. Ensure the account does not already exist and that the appropriate permissions are available to perform this task. Error code: [v1], message: [v2], provider: [v3].
- 68 ADerrorNewAccount: Unable to get the newly created Active Directory computer account. Error code: [v1], message: [v2], provider: [v3].
- 69 ADerrorSam: Unable to set the Active Directory samAccountName property. Ensure the appropriate permissions exist to perform this task. Error code: [v1], message: [v2], provider: [v3].
- 70 ADerrorUserAccount: Unable to set the Active Directory userAccountControl property. Ensure the appropriate permissions exist to perform this task. Error code: [v1], message: [v2], provider: [v3].
- 71 ADerrorSave: Unable to save Active Directory change. Ensure the appropriate permissions exist to perform this task. Error code: [v1], message: [v2], provider: [v3].
- 72 ADerrorSetPassword: Unable to set a new password for this user account. Ensure the appropriate permissions exist to perform this task. Error code: [v1], message: [v2], provider: [v3].
- 73 ADerrorAddTrustee: Unable to add trustee (if any). Error code: [v1], message: [v2], provider: [v3].
- 74 ADerrorEnableAccount: Unable to enable the Active Directory account. Error code: [v1], message: [v3], provider: [v2].
- 75 ADerrorAlreadyExists: The computer name is already in use. Error code: [v1], message: [v3], provider: [v2]. Select a unique name for this machine.
- 76 ADerrorGeneral: A general Active Directory error occurred. Error code: [v1], message: [v2], provider: [v3].

77 ADerrorDirectorySearch: Unable to find Active Directory items meeting the search criteria entered. Error code: [v1], message: [v2], provider: [v3].

78 ADerrorSearchComputerAccount: Unable to perform the computer accounts search. Error code: [v1], message: [v2], provider: [v3].

79 ADerrorComputerAccountNotFound: Specified computer account not found. Error code: [v1], message: [v2], provider: [v3].

80 ADerrorComputerAccountHold: This computer account is currently unavailable. Ensure that Active Directory is running properly. Error code: [v1], message: [v2], provider: [v3].

81 ADerrorComputerAccountMove: Failed to move the computer account to the target organizational unit set (also returned if caller lacks permission). Error code: [v1], message: [v2], provider: [v3].

82 ADerrorDelete: Unable to delete this computer account. Ensure the appropriate permissions exist to perform this task. Error code: [v1], message: [v2], provider: [v3].

83 ADerrorPasswordGeneration: Unable to generate this password. Ensure the appropriate permissions exist to perform this task.

84 MapDiskNoDriver: Unable to map vDisk because a driver was not found.

85 MapDiskDeniedByServer: Unable to map the vDisk. Mapping was denied by the Server.

86 MapDiskLocalAccessDenied: Unable to map the vDisk. Denied local access.

87 MapDiskMiniportError: Unable to map vDisk because of a Miniport error.

88 UnmapDiskFailed: Failed to unmap a vDisk.

89 DuplicateDisk: The vDisk [v1] already exists on [v2] at [v3].

90 DuplicateDiskLocator: A DiskLocator: [v1] already exists on Site: [v2].

91 DiskCreationInProgress: The vDisk [v1] is being created on [v2] at [v3].

92 InvalidServerStore: A database integrity error occurred. The Server is not set to deliver vDisks from the Store, but should be.

93 InvalidStore: The specified Store does not exist.

94 InvalidFarmView: Farm View specified does not exist.

95 InvalidStorePath: Store path is empty.

96 ManagementInterfaceError:

- Management Interface: Undefined error.
- Management Interface: Database interface is inaccessible.
- Management Interface: Database interface library is inaccessible.
- Management Interface: The database access library is a version incompatible with the Management Server.
- Management Interface: Database interface library is invalid.
- Management Interface: Database interface could not be created.
- Management Interface: Database could not be opened.
- Management Interface: Database is in use.

Management Interface: Database error occurred.

Management Interface: Not implemented.

Management Interface: Registry entry was not found.

Management Interface: Request was not created.

Management Interface: Operating System error occurred.

Management Interface: vDisk error.

Management Interface: vDisk header is incomplete.

Management Interface: vDisk footer is incomplete.

Management Interface: vDisk boot record is incomplete.

Management Interface: vDisk boot sector is incomplete.

Management Interface: vDisk size is below the minimum.

Management Interface: vDisk size is above the maximum.

Management Interface: vDisk boot record template is inaccessible.

Management Interface: vDisk boot sector template is inaccessible.

Management Interface: vDisk lock was not found.

Management Interface: vDisk has exclusive lock.

Management Interface: vDisk has shared lock.

Management Interface: vDisk lock error.

Management Interface: vDisk format is incompatible.

Management Interface: vDisk prefooter is incomplete.

Management Interface: vDisk creation is in progress.

Management Interface: vDisk creation information was not found.

Management Interface: vDisk creation cancellation was requested.

Management Interface: vDisk file was not found.

Management Interface: vDisk file path was not found.

Management Interface: vDisk file access was denied.

Management Interface: Cancelled.

Management Interface: Registry key for the product is inaccessible.

Management Interface: Registry key for the installation folder is inaccessible.

Management Interface: Registry key for the management interface is inaccessible.

Management Interface: Registry key for the database path is inaccessible.

Management Interface: Registry key for the management interface IP address is inaccessible.

Management Interface: Buffer size is too small.

Management Interface: Buffer size is too large.

Management Interface: Unknown error.

Management Interface: Remote Server failed to relay a request.

Management Interface: Remote Server is not servicing the Device.

Management Interface: Remote Server or Device refused the request.

Management Interface: Local Server failed to complete a request to a Server or Device.

Management Interface: Local Server failed to complete a request to a Server.

Management Interface: Remote requests were disabled because of an initialization error.

Management Interface: Remote request failed.

Management Interface: Remote request timed out.

Management Interface: Remote request result was not found.

Management Interface: Remote request receiver failed to initialize.

Management Interface: Management command failed for all objects.

Management Interface: Failed to get the preshared key in secure version.

Management Interface: VHD Error.

Management Interface: vDisk properties were lost.

Management Interface: Insufficient Memory.

Management Interface: The network path was not found.

Management Interface: The network name cannot be found.

Management Interface: File already exists.

Management Interface: The geometry of the vDisk is not accessible.

Management Interface: Unable to create the vDisk because the store media is read-only.

Management Interface: vDisk file is being used by another process.

97 ServerTimeout: Server did not respond to a request in time.

98 NotFound: [v1] not found.

99 AccountRetrieve: Account information for user [v1] was not found.

100 ActiveDevice: The task cannot be performed on active Devices. Shut down the Devices before attempting to perform the task.

101 ActiveDiskLocator: The task cannot be performed on active vDisks. Shut down the Devices that are using the vDisks before attempting to perform the task.

102 AssignedDiskLocator: Unable to delete a vDisk that is currently assigned to a Device. Unassign all Devices, then delete the vDisk.

103 ActiveServer: The task cannot be performed on active Servers. Shut down the Servers before attempting to perform the task.

104 NotEnoughFreeDiskSpace: There is not enough free disk space to create the vDisk.

- 105 InvalidDiskName: The vDisk name has one or more invalid characters. The invalid characters are < > | " \ / : \* ?.
- 106 CannotDeleteLastAuthGroup: Deleting the last Authorization Group causes the system to be inoperable.
- 107 CannotDeleteUsedAuthGroup: An Authorization Group that is currently in use cannot be deleted.
- 108 ServerStartFailed: The Server did not start successfully. Ensure the appropriate permissions exist for the service account.
- 109 ServerStopFailed: The Server did not stop successfully.
- 110 LockOwnerNotFound: The Device that owns the lock was not found, the vDisk was not unlocked.
- 111 PossiblySharedVDisk: Unable to delete File [v1]. It is possible that the file is being referenced in other Sites or Stores.
- 112 StorePathInaccessible: The Store path [v1] is inaccessible.
- 113 InvalidAction: The [v1] action does not exist.
- 114 InvalidObjectType: The [v1] objectType does not exist.
- 115 TooManyRecords: The amount of data returned using Get is too large. Use GetFirst and GetNext instead of Get.
- 116 InvalidUserGroup: The specified UserGroup does not exist.
- 117 InvalidAuditAction: The specified AuditAction does not exist.
- 118 LoginFailed: The database login failed. Ensure the appropriate permissions exist to access the database.
- 119 DatabaseConnectionError: Unable to connect to the database. Restore the connection in order to manage the farm.
- 120 CreateTriggersParsing: Unable to parse the database script 'CreateTriggers' at: [v1]
- 121 CreateStoredProcParsing: Unable to parse the database script 'CreateStoredProcedures' at: [v1]
- 122 MediaIsReadOnly: Management Interface: Unable to create the vDisk because the store media is read-only.
- 123 ConnectedDeviceForVirtualHostingPool: Unable to delete this VM from a machine catalog because it is connected to a Delivery Group.
- 124 ADerrorDN: Unable to get the distinguishedName property. Ensure the appropriate Active Directory permissions exist to perform this task. Error code: [v1], message: [v2], provider: [v3].
- 125 ADerrorGetSecDes: Unable to get the Active Directory Security Descriptor property. Error code: [v1], message: [v2], provider: [v3].
- 126 ADerrorSetSecDes: Unable to set the Active Directory Security Descriptor property. Ensure the appropriate permissions exist to perform this task. Error code: [v1], message: [v2], provider: [v3].
- 127 ADerrorDNSHostName: Unable to set the DNS Host Name property (dNSHostName). Ensure the appropriate permissions exist to perform this task. Error code: [v1], message: [v2], provider: [v3].
- 128 ADerrorDisplayName: Unable to set the displayName property. Error code: [v1], message: [v2], provider: [v3].

- 129 ADerrorBind: This device was unable to bind to the Domain Controller. Ensure the Domain Controller is running. Error code: [v1], message: [v2], provider: [v3].
- 130 ADerrorGetSPN: Unable to get an Active Directory Service Principal Name. Error code: [v1], message: [v2], provider: [v3].
- 131 ADerrorWriteSPN: Unable to write the Active Directory Service Principal Name. Error code: [v1], message: [v2], provider: [v3]
- 132 ADerrorSearch: Unable to perform the requested Search. Error code: [v1], message: [v2], provider: [v3].
- 133 ADerrorMoveToOU: Unable to move the Active Directory account to the requested Organizational Unit. Ensure the appropriate permissions exist to perform this task. Error code: [v1], message: [v2], provider: [v3].
- 134 ADerrorDeleteAccount: Unable to delete this computer account. Ensure the appropriate permissions exist to delete accounts. Error code: [v1], message: [v2], provider: [v3].
- 135 ADerrorBadParameters: Incorrect parameters sent to Provisioning Services from Studio. Error code: [v1], message: [v2], provider: [v3].
- 136 VolumeInUse: The volume is being used.
- 137 VolumeAccessDenied: Volume access is denied.
- 138 VolumeUnknownVolume: An unknown volume was specified.
- 139 VolumeGeneralError: An error occurred when executing a volume command.
- 140 MaintenanceServerError: Action cannot be performed, [v1] is a maintenance server for [v2].
- 141 NotManagedStore: The action cannot be performed because the store is not managed.
- 142 PathNotExist: The path does not exist on the given Server.
- 143 PathNoCreatePermission: The path does not have the appropriate create permissions.
- 144 PathNoReadPermission: The path does not have the appropriate read permissions.
- 145 PathNoWritePermission: The path does not have the appropriate write permissions.
- 146 PathNoDeletePermission: The path does not have the appropriate delete permissions.
- 147 IPCProtocolError: An internal error occurred. A field is missing from the process communication protocol data.
- 148 InvalidStoreServer: No active Server can serve the Store [v1].
- 149 ConstraintCheck: A database constraint caused an Add or Update to be stopped.
- 150 VamtNotFound: The Volume Activation Management Tool cannot be found.
- 151 ADerrorCannotGetObjectSID: Cannot return objectSID. Error code: [v1], message: [v2], provider: [v3].
- 152 ADerrorCannotDisableAccount: Cannot disable the Active Directory account at this time. Ensure that all account users are logged off before

- attempting to disable the account. Error code: [v1], message: [v2], provider: [v3].
- 153 ADErrorFailedToChangePassword: Unable to reset the machine account password. Ensure the appropriate permissions exist to perform this Active Directory task. Error code: [v1], message: [v2], provider: [v3].
  - 154 ADErrorFailedToCopyDCName: Unable to copy the Domain Controller name. Error code: [v1], message: [v2], provider: [v3].
  - 155 ADErrorDCNameIsTooLong: The Domain Controller name entered exceeds the maximum character length of [v4]. Error code: [v1], message: [v2], provider: [v3].
  - 156 SiteMakUserPassword: The Site's makUser and makPassword fields must have values.
  - 157 VamtError: See the log for additional error details.
  - 158 InactiveDevice: Device specified is not active.
  - 159 DiskIsInPrivateMode: This task cannot be performed because the vDisk is in private image mode.
  - 160 AlreadyInChangeMode: Unable to complete this operation, vDisk is already in Maintenance, Merge, or Test mode.
  - 161 CannotCreateMaintenanceDisk: Cannot create maintenance vDisk.
  - 162 CannotEnterMaintenanceMode: To place a vDisk in Maintenance Mode requires using a Server. No Server is available at this time.
  - 163 NotInMaintenanceMode: Unable to perform this action because the vDisk is not in Maintenance Mode.
  - 164 NoVersionForMaintenanceMode: Unable to place this vDisk in Maintenance Mode because the highest version is not found.
  - 165 NoVersionFound: Unable to perform this action because a version record was not found in the database.
  - 166 Obsolete: The [v1] feature is obsolete.
  - 167 DatabaseWarning: A database warning occurred.
  - 168 DatabaseSQL: A database SQL error occurred.
  - 169 DatabaseResource: A database resource error occurred.
  - 170 InvalidUpdateTask: The specified UpdateTask does not exist.
  - 171 InvalidVirtualHostingPool: The specified VirtualHostingPool does not exist.
  - 172 RemoteCommand: An exception occurred executing a command on a remote Server.
  - 173 IpcNotConfigured: An internal error occurred. The process communication interface must be configured before executing remote commands.
  - 174 DiskAlreadySetForUpdate: The vDisk is already set for Update with Device [v1] in Site [v2].
  - 175 InvalidDiskVersion: The vDisk Version specified is not valid.
  - 176 HostResolution: Could not resolve the host name for [v1].

177 InProcess: The remote task is taking longer than expected. TaskId: [v1]

178 DateMustBeInFuture: The [v1] must be in the future.

179 InvalidRemoteReturn: The remote command did not return valid data.

180 InvalidParameterValueMinMax: The [v1] parameter value is invalid, the minimum is [v2] and the maximum is [v3].

181 InvalidParameterNotNumeric: The [v1] parameter value is invalid, it is not numeric.

182 InvalidParameterNotGuid: The [v1] parameter value is invalid, it is not a GUID.

183 PassThroughMessage: [v1]

184 DiskUpdateNotEnabled: The Automatic vDisk Update option must be enabled and the vDisk Update Server must be defined. Set these in the Site properties.

185 PvsStatusException:

- Windows API error occurred, number 0xE000FFFF.
- SQL error occurred, number 0xE001FFFF.
- Manager error occurred. Error number 0xE002FFFF.
- StreamProcess error occurred. Error number 0xE003FFFF.
- Stream Database error occurred. Error number 0xE004FFFF.
- Management error occurred. Error number 0xE005FFFF.
- Shutdown in progress; request ignored. Error number 0xE0050001.
- CreateDiffDisk: Malformed packet; missing one or more arguments. Error number 0xE0050002.
- DeleteDiffDisk: Malformed file name; cannot parse directory and name. Error number 0xE0050003.
- DeleteDiffDisk: Malformed packet; missing one or more arguments. Error number 0xE0050004.
- IPC: Failed to read mtGetLocks parameters. Error number 0xE0050005.
- IPC: Failed to read mtGetLockStatus parameters. Error number 0xE0050006.
- IPC: Failed to read mtLock parameters. Error number 0xE0050007.
- IPC: Failed to read mtUnlock parameters. Error number 0xE0050008.
- MergeDisk event: Malformed packet; unknown message type. Error number 0xE0050009.
- MergeDisk event: Unknown target request ID. Error number 0xE005000A.
- MergeDisk event: Malformed packet; missing one or more arguments. Error number 0xE005000B.
- MergeDisk: Malformed packet; missing one or more arguments. Error number 0xE005000C.
- ValidateDisk: Malformed packet; missing one or more arguments. Error number 0xE005000D.
- VHD Library error occurred. Error number 0xE006FFFF.

VHD Library: Not implemented. Error number 0xE0060001.

VHD Library: Handle pointer is invalid. Error number 0xE0060002.

VHD Library: Length of the path exceeds the limit of the file system.  
Error number 0xE0060003.

VHD Library: Name is empty. Error number 0xE0060004.

VHD Library: Length of the name exceeds the limit of the file system.  
Error number 0xE0060005.

VHD Library: Size of a parameter was too big. Error number 0xE0060006.

VHD Library: Size of a parameter was too small. Error number  
0xE0060007.

VHD Library: The media is write protected. Error number 0xE0060008.

VHD Library: Type is invalid. Error number 0xE0060009.

VHD Library: Footer is incomplete. Error number 0xE006000A.

VHD Library: Failed to read or write the entire VHD Header. Error  
number 0xE006000B.

VHD Library: Failed to read or write the entire VHD Block Allocation  
Table. Error number 0xE006000C.

VHD Library: Failed to read or write all of the VHD properties. Error  
number 0xE006000D.

VHD Library: VHD footer is corrupt. Error number 0xE006000E.

VHD Library: VHD header is corrupt. Error number 0xE006000F.

VHD Library: Failed to read or write the VHD objects. Error number  
0xE0060010.

VHD Library: Destination string is too small. Error number 0xE0060011.

VHD Library: Destination string pointer is NULL. Error number  
0xE0060012.

VHD Library: Source string pointer is NULL. Error number 0xE0060013.

VHD Library: Offset is before the beginning of the VHD data area.  
Error number 0xE0060014.

VHD Library: Offset is after the end of the VHD data area. Error  
number 0xE0060015.

VHD Library: Failed to allocate memory because it was unavailable.  
Error number 0xE0060016.

VHD Library: Caller cancelled the last create request. Error number  
0xE0060017.

VHD Library: Failed to read or write all of the data as requested.  
Error number 0xE0060018.

VHD Library: Failed to create a Universal Unique Identification for a  
VHD. Error number 0xE0060019.

VHD Library: Failed to find the VHD properties. Error number  
0xE006001A.

VHD Library: Failed to read or write the entire sector bitmap within a  
block. Error number 0xE006001B.

VHD Library: Failed to read or write the entire block. Error number 0xE006001C.

VHD Library: Failed to open the file that represents the VHD. Error number 0xE006001D.

VHD Library: Requested number of bytes exceeds the remainder of bytes in a block. Error number 0xE006001E.

VHD Library: Accessed past end of the VHD file. Error number 0xE006001F.

VHD Library: Differencing VHD Unique ID (UUID) differs to parent VHD Unique ID. Error number 0xE0060020.

VHD Library: Differencing VHD timestamp differs to parent VHD last modified time. Error number 0xE0060021.

VHD Library: Failed to read or write the entire VHD Block Allocation Table Map. Error number 0xE0060022.

IPC error occurred. Error number 0xE007FFFF.

There was an unknown transmission error. Error number 0xE0070001.

No response received for successful send. Error number 0xA0070002.

Message processor timed out. Error number 0xE0070003.

Retry limit exhausted. Error number 0xE0070004.

Message recipient task is not active. Error number 0xE0070005.

Socket send/rcv cannot be retried. Error number 0xE0070006.

Port shutdown due to connection opens exhausted. Error number 0xE0070007.

Port shutdown due to flood of junk packets. Error number 0xE0070008.

Port shutdown due to receive retries exhausted. Error number 0xE0070009.

Transport does not support fragmentation. Error number 0xE007000A.

One or more packet fragments are missing. Error number 0xE007000B.

Error sending message. Error number 0xE0070100.

Message acknowledgement timeout. Error number 0xA0070101.

Command timeout. Error number 0xE0070102.

Not implemented. Error number 0xE0070103.

Error verifying message port number, must be  $\geq 0$  and  $\leq 65535$ . Error number 0xE0070104.

Command initialization failed. Error number 0xE0070105.

Start of IPC failed. Error number 0xE0070106.

Stop of IPC failed. Error number 0xE0070107.

Memory allocation failure. Error number 0xE0070108.

Internal error, failure to wait long enough for a communication response to be received. Error number 0xE0070109.

Disk Update error occurred. Error number 0xE008FFFF.

Inventory error occurred. Error number 0xE009FFFF.  
Inventory Table: Failed to start thread. Error number 0xE0090001.  
Inventory Table: Invalid Entry. Error number 0xE0090002.  
Inventory Table: Failed to initialize inventory. Error number  
0xE0090003.  
Shutdown in progress; request ignored. Error number 0xE0090004.  
Get Disk Inventory: Parameters bad. Error number 0xE0090033.  
Populate database: Failed offline. Error number 0xE0090065.  
Populate database: Server get by name failed. Error number 0xE0090066.  
Populate database: Uninitialized. Error number 0xE0090067.  
Populate database: Get host name failed. Error number 0xE0090068.  
Populate database: Char conversion failed. Error number 0xE0090069.  
Populate database: Initialization failed. Error number 0xE009006A.  
Populate database: Database open failed. Error number 0xE009006B.  
Populate database: Get all disk locators failed. Error number  
0xE009006C.  
Inventory Table: Not yet implemented. Error number 0xE009006D.  
Notifier error occurred. Error number 0xE00AFFFF.  
MAPI error occurred. Error number 0xE00BFFFF.

186 TaskCancelled: Task [v1] is cancelled and is not running.  
187 TaskCompleted: Task [v1] has been completed and is not running.  
188 TaskInProgress: Task [v1] is running and cannot be processed.  
189 InvalidTask: The specified Task does not exist.  
190 InventoryServerCannotContactDatabase: The Inventory Service cannot  
contact the database.  
191 ServerOffline: The Server is offline.  
192 ServerStateUnknown: The Server state is unknown.  
193 HighestVersionIsPending: Could not complete this action because  
the highest vDisk version is still pending. The scheduled date for  
the version has not occurred yet.  
194 MergeInvalidWithCurrentVersions: Merge is not valid with the current  
versions that exist.  
195 DiskInventoryError: vDisk versions are not up to date on all Servers  
that access this vDisk. Update all Servers with the latest versions of  
the vDisk files.  
196 VDiskFileNotFoundWarning: [v1]: vDisk file was not found because it was  
deleted.  
197 CannotAssignActiveServer: Stop the Server before attempting to assign  
the Server to a different site.

- 198 CannotAssignServerWithActiveDevice: Before attempting to assign the Server to a different site, shut down Devices connecting to the Server, then shut down the Server.
- 199 MappedDiskLocator: The vDisk is mapped and cannot be changed.
- 200 InvalidTemplateDevice: The Template Device must be a Production Device that does not have a Personal vDisk.
- 201 DeviceWithPersonalVDiskInvalid: Unable to process a Device that uses a personal vDisk.
- 202 CreatingDisk: Server is creating a vDisk so change cannot be done.
- 203 AssignedDiskLocatorToDeviceWithPersonalvDisk: Unable to delete a vDisk if the vDisk is currently assigned to a Device that uses a Personal vDisk. Unassign the Device, then delete the vDisk.
- 204 InvalidMacAddress: The MAC address for this VM is invalid. Configure the VM with a valid MAC address.
- 205 CannotGetMacFromHypervisor: The hypervisor did not return the MAC address for this VM: [v1]
- 206 Win32SystemException: A system error occurred.
- 207 RemoteManagementIpCannotBeResolved: Unable to resolve the management IP for Server [v1].
- 208 LocalManagementIpNotSet: The management IP for local server [v1] is not set in registry IPC\IPv4Address.
- 209 PerformVolumeMaintenanceTaskPermissions: Ensure the Service Account user has the appropriate 'Perform volume maintenance task' permissions.
- 210 CannotLoginToVirtualHostingPool: Unable to log on to the virtual hosting pool [v1]. Ensure that the hypervisor server is running properly.
- 211 VirtualHostingPoolNotSetForDevice: The virtualHostingPoolId for device [v1] with bdmBoot must be set.
- 212 ActiveBdmBootDeviceCannotProcess: The Boot Device Manager [v1] did not process successfully.
- 213 CannotMovePvdDeviceToAnotherSite: Personal vDisk Devices cannot be moved to another site.
- 214 XenDesktopSiteInvalid: XenDesktop Site for Devices is not valid, the XenDesktop Site is: [v1]
- 215 XenDesktopServiceListOutOfDate: XenDesktop Site [v1] is not reachable, check that the Citrix PVS Soap Server service user has XenDesktop permissions and network connectivity.
- 216 NoXenDesktopServiceForPersonalVDiskCapability: No XenDesktop service found for Personal vDisk capability.
- 217 InsufficientPermissionsToPreparePersonalVDisks: The user account for the Citrix PVS Soap Server has insufficient permissions to prepare Personal vDisks.
- 218 NotEnoughFreeDiskSpaceForManifest: There is not enough free disk space to create the manifest.
- 219 OperationCannotBeDoneOnlyPvdDevicesAssigned: Operation cannot be done, only Personal vDisk Devices are assigned.

- 220 DiskFormatCannotBeSetToVHD: The format cannot be set to VHD since no VHD vDisk file is found in the path, [v1], for Server, [v2].
- 221 DiskFormatCannotBeSetToVHDX: The format cannot be set to VHDX since no VHDX vDisk file is found in the path, [v1], for Server, [v2].
- 222 TemporaryVersionIsSet: This task cannot be performed because a temporary version is set.
- 223 DiskIsUsingPersistentCacheOnServer: A temporary version cannot be used for a vDisk that is using persistent cache on server.
- 224 UploadAlreadyInProgress: An upload is already in progress by Server [v1].
- 225 FieldMustBeNull: Field [v1] must be null.
- 226 DuplicateData: Record already exists in [v1] table for Farm.
- 227 CisUploadTokenGenerateError: Error generating upload token for My Citrix username [v1] ([v2]).
- 228 InvalidCredentials: The username or password is incorrect.
- 229 NoWriteAccessToFolders: No write access to folders [v1] or [v2].
- 230 ReportCreationError: Error creating problem report: [v1].
- 231 PvsProxyNotSupported: PVS Proxy not supported on this host
- 232 CannotCreateRegKey: Cannot create Registry key [v1]
- 4100 ADErrorUnexpectedError: An unexpected Active Directory related error occurred. Ensure the appropriate permissions exist to perform this task. Error code: [v1], message: [v2], provider: [v3].

## Mcli-Add

Mcli-Add commandName[ -r field=value[, field2=value2]]

### Mcli-Add AuthGroup

Add an Active Directory or Windows Group for authorization.

-r	Record to add. All record fields that do not have a Default are required.
authGroupName	Name of the Active Directory or Windows Group. Max Length=450
description	User description. Default="" Max Length=250
resultId	If successful, the GUID of the record added.

### Mcli-Add CeipData

Add a new entry to CeipData table.

-r	Record to add. All record fields that do not have a Default are required.
enabled	1 if CEIP is enabled, otherwise 0. Min=0, Max=1
nextUpload	Date and time next CEIP upload is due if enabled is 1. Default=null

inProgress	1 if an upload is currently in progress, otherwise 0. Default=0
serverId	ID of server that is currently uploading, null if inProgress is 0. Default=null Length=36
oneTimeUpload	1 to perform a one time upload. Default=0
resultId	If successful, the GUID of the record added.

## Mcli-Add CisData

Add a new entry to CisData table.

-r	Record to add. All record fields that do not have a Default are required.
userName	Username used to obtain the token Default=null Max Length=255
path	Path where the last problem report bundle was saved Default=null Max Length=255
password	Password of the user required to obtain the token. This is required only by Set and Add
resultId	If successful, the GUID of the record added.

## Mcli-Add Collection

Add a Collection to a Site.

-r	Record to add. All record fields that do not have a Default are required.
collectionName	Name of the Collection. It is unique within the Site. Max Length=50
siteId	GUID of the Site that this Collection is a member of. It is not used with siteName. Length=36
siteName	Name of the Site that this Collection is a member of. It is not used with siteId.
description	User description. Default="" Max Length=250
lastAutoAddDeviceNumber	The Device Number of the last Auto Added Device. Default=0
enabled	1 when Devices in the Collection can be booted, 0 otherwise. Default=1
autoAddPrefix	The string put before the Device Number for Auto Add. Default=null ASCII computer name characters no end digit Max Length=12
autoAddSuffix	The string put after the Device Number for Auto Add. Default=null ASCII computer name characters no begin digit Max Length=12
autoAddZeroFill	1 when zeros be placed before the Device Number up to the autoAddNumberLength for Auto Add, 0 otherwise. Default=1

autoAddNumberLength	The maximum length of the Device Number for Auto Add. This length plus the autoAddPrefix length plus the autoAddSuffix length must be less than 16. Required that $((\text{lenautoAddPrefix} + \text{lenautoAddSuffix}) + \text{autoAddNumberLength}) \leq 15$ . Min=3, Max=9, Default=4
resultId	If successful, the GUID of the record added.

## Mcli-Add Device

Add a new Device to a collection.

-r	Record to add. All record fields that do not have a Default are required.
deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
collectionId	GUID of the Collection this Device is to be a member of. It is not used with collectionName. Length=36
collectionName	Name of the Collection this Device is to be a member of. siteName or siteId must also be used.
siteId	GUID of the Site the collectionName is to be a member of. This or siteName is used with collectionName.
siteName	Name of the Site the collectionName is to be a member of. This or siteId is used with collectionName.
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. This cannot be Set for a Device with Personal vDisk. Min=1, Max=3, Default=1
className	Used by Automatic Update feature to match new versions of Disks to a Device. This cannot be Set for a Device with Personal vDisk. Default="" Max Length=41
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
enabled	1 when it can be booted, 0 otherwise. This cannot be Set for a Device with Personal vDisk. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. This cannot be Set for a Device with Personal vDisk. Default=0
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2

	for Extern. This cannot be Set for a Device with Personal vDisk. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=20
password	Password of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=100
copyTemplate	1 if the Template Device for the collection, if it exists, should be used for the property settings of the added Device. Default=0
adTimestamp	The time the Active Directory machine account password was generated. Do not set this field, it is only set internally by PVS. Default=0
adSignature	The signature of the Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default=0
adPassword	The Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default="" ASCII Max Length=256
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Do not set this field, it is only set internally by PVS. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Do not set this field, it is only set internally by PVS. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
type	1 when it performs test of Disks, 2 when it performs maintenance on Disks, 3 when it has a Personal vDisk, 4 when it has a Personal

	vDisk and performs tests, 0 otherwise. Min=0, Max=2, Default=0
localWriteCacheDiskSize	The size in GB to format the Device cache file disk. If the value is 0, then the disk is not formatted. Min=0, Max=2048, Default=0
virtualHostingPoolId	GUID that uniquely identifies the Virtual Hosting Pool for a VM. This is needed when Adding a VM device. Default=null Length=36
hypVmId	Hypervisor VM ID for HCL Default=null Max Length=250
bdmBoot	Use PXE boot when set to 0, BDM boot when set to 1. Default is PXE Default=0
bdmType	Use PXE boot when set to 0, BDM (Bios) boot when set to 1 and BDM (Uefi) boot when set to 2. Default=0
bdmFormat	1 use VHD for BDMboot, 2 use ISO, 3 use USB. Default=0
bdmUpdated	Timestamp of the last BDM boot disk update. Default=null
bdmCreated	Timestamp when BDM device was created Default=null
xsPvsProxyUuid	UUID of XenServer PVS_proxy Default=null Length=36
enableXsProxy	Enable XenServerProxy when set to 1 Default=null
resultId	If successful, the GUID of the record added.

## Mcli-Add DeviceWithPersonalvDisk

Add a new Device with Personal vDisk to a collection.

-r	Record to add. All record fields that do not have a Default are required.
deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
collectionId	GUID of the Collection this Device with Personal vDisk is to be a member of. It is not used with collectionName. Length=36
collectionName	Name of the Collection this Device with Personal vDisk is to be a member of. siteName or siteId must also be used.
diskLocatorId	GUID of the Disk Locator to update with this Device.
siteId	GUID of the Site the collectionName is to be a member of. This or siteName is used with collectionName.

siteName	Name of the Site the collectionName is to be a member of. This or siteId is used with collectionName.
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX. Uniquely identifies the Device with Personal vDisk. Length=17
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
adTimestamp	The time the Active Directory machine account password was generated. Do not set this field, it is only set internally by PVS. Default=0
adSignature	The signature of the Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device with Personal vDisk belongs to. Do not set this field, it is only set internally by PVS. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device with Personal vDisk's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Do not set this field, it is only set internally by PVS. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
type	3 when it has a Personal vDisk, 4 when it has a Personal vDisk and performs tests. Min=3, Max=4, Default=3
pvdDriveLetter	Personal vDisk Drive letter. Range is F to Z. Default=null Max Length=1
localWriteCacheDiskSize	The size in GB to format the Device cache file disk. If the value is 0, then the disk is not formatted. Min=0, Max=2048, Default=0
bdmBoot	Use BDM instead of PXE boot when set to 1. Default=0

xdSiteId	GUID of the XenDesktop Site. Default=null Length=36
xdCatalogId	Integer identifier of the XenDesktop Catalog. Default=null
virtualHostingPoolId	GUID that uniquely identifies the Virtual Hosting Pool for a VM. This is needed when Adding a VM device. Default=null Length=36
enableXsProxy	Enable XenServerProxy when set to 1 Default=null
resultId	If successful, the GUID of the record added.

## Mcli-Add DiskLocator

Add a Disk Locator to a Site. The Disk file must already exist.

-r	Record to add. All record fields that do not have a Default are required.
diskLocatorName	Name of the Disk Locator File. It is unique within the Store. ASCII Max Length=52
siteId	GUID of the Site this DiskLocator is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this DiskLocator is to be a member of. It is not used with siteId.
storeId	GUID of the Store that this Disk Locator is a member of. siteName or siteId must also be used. It is not used with storeName. Length=36
storeName	Name of the Store that this Disk Locator is a member of. siteName or siteId must also be used. It is not used with storeId.
description	User description. Default="" Max Length=250
menuText	Text that is displayed in the Boot Menu. If this field has no value, the name value is used. Default="" ASCII Max Length=64
serverId	GUID of the single Server that this Disk Locator is assigned to. It is not used with serverName. Default=null Length=36
serverName	Name of the single Server that this Disk Locator is assigned to. It is not used with serverId. Default=null
enabled	1 when this disk can be booted, 0 otherwise. Default=1
rebalanceEnabled	1 when this Server can automatically rebalance Devices, 0 otherwise. Default=0
rebalanceTriggerPercent	Percent over fair load that triggers a dynamic Device rebalance. Min=5, Max=5000, Default=25

subnetAffinity	Qualifier for subnet affinity when assigning a Server. 0=None, 1=Best Effort, 2=Fixed. Min=0, Max=2, Default=0
newDiskWriteCacheType	The writeCacheType that if a new Disk will be created, it will be set with. It is only used when a new Disk is being created. Value are: 0 (Private), (other values are standard image) 1 (Cache on Server), 3 (Cache in Device RAM), 4 (Cache on Device Hard Disk), 7 (Cache on Server, Persistent), or 9 (Cache in Device RAM with Overflow on Hard Disk) Default=0
format	Format of the image when adding a DiskLocator for a vDisk that has never been added to the Farm. VHDX is the only format that requires this field. Values are: 0 (VHD) and 1 (VHDX). Default=0
resultId	If successful, the GUID of the record added.

## Mcli-Add DiskUpdateDevice

Add a new Device related to a Disk that can be updated.

-r	Record to add. All record fields that do not have a Default are required.
deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
virtualHostingPoolId	GUID of the Virtual Hosting Pool. It is not used with virtualHostingPoolName. Default=null Length=36
virtualHostingPoolName	Name of the Virtual Hosting Pool.
diskLocatorId	GUID of the Disk Locator to update with this Device.
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
adTimestamp	The time the Active Directory machine account password was generated. Do not set this field, it is only set internally by PVS. Default=0
adSignature	The signature of the Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4

	(Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Do not set this field, it is only set internally by PVS. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Do not set this field, it is only set internally by PVS. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
adPassword	The Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default="" Max Length=256
resultId	If successful, the GUID of the record added.

## Mcli-Add FarmView

Add a View to a Farm.

-r	Record to add. All record fields that do not have a Default are required.
farmViewName	name of the Farm View. Max Length=50
description	User description. Default="" Max Length=250
resultId	If successful, the GUID of the record added.

## Mcli-Add Server

Add a Server to a Site.

-r	Record to add. All record fields that do not have a Default are required.
serverName	Computer name with no spaces. ASCII computer name characters Max Length=21
siteId	GUID of the Site this Server is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this Server is to be a member of. It is not used with siteId.
description	User description. Default="" Max Length=250

adMaxPasswordAge	Number of days before a password expires. Min=1, Max=30, Default=7
licenseTimeout	Amount of seconds before a license times out. Min=15, Max=300, Default=30
vDiskCreatePacing	VDisk create time pacing in miliseconds. Min=0, Max=5, Default=0
firstPort	Number of the first UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6910
lastPort	Number of the last UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6930
threadsPerPort	Number of worker threads per IO port. Required that (threadPerPort * numberPorts * numberIPs) <= 1000. Min=1, Max=60, Default=8
buffersPerThread	Number of buffers per worker thread. Min=1, Max=128, Default=24
serverCacheTimeout	Number of seconds to wait before considering another Server is down. Min=5, Max=60, Default=8
ioBurstSize	Number of bytes read/writes can send in a burst of packets. Required that $ioBurstSize / (maxTransmissionUnits - 76) \leq 32$ . Min=4096, Max=61440, Default=32768
maxTransmissionUnits	Ethernet maximum transmission unit size for the protocol for use for Server and Device. Required that $ioBurstSize / (maxTransmissionUnits - 76) \leq 32$ . Min=502, Max=16426, Default=1506
maxBootDevicesAllowed	Maximum number of Devices allowed to boot simultaneously. Min=1, Max=1000, Default=500
maxBootSeconds	Maximum number of seconds for a Device to boot. Min=10, Max=900, Default=60
bootPauseSeconds	Number of seconds that a Device will pause during login if its server busy. Min=1, Max=60, Default=10
adMaxPasswordAgeEnabled	Age the password, when set to 1. Default=0
eventLoggingEnabled	Enable event logging, when set to 1. Default=0
nonBlockingIoEnabled	Use non-Blocking IO, when set to 1. Default=1
ip	One or more streaming ip addresses. If more than one ip is included, the ip addresses are comma delimited.

initialQueryConnectionPoolSize Initial size of database connection pool for non-transactional queries. Min=1, Max=1000, Default=50

initialTransactionConnectionPoolSize Initial size of database connection pool for transactional queries. Min=1, Max=1000, Default=50

maxQueryConnectionPoolSize Maximum size of database connection pool for non-transactional queries. Min=1, Max=32767, Default=1000

maxTransactionConnectionPoolSize Maximum size of database connection pool for transactional queries. Min=1, Max=32767, Default=1000

refreshInterval Interval, in number of seconds, the server should wait before refreshing settings. If set to 0, unused database connections are never released. Min=0, Max=32767, Default=300

unusedDbConnectionTimeout Interval, in number of seconds, a connection should go unused before it is to be released. Min=0, Max=32767, Default=300

busyDbConnectionRetryCount Number of times a failed database connection will be retried. Min=0, Max=32767, Default=2

busyDbConnectionRetryInterval Interval, in number of milliseconds, the server should wait before retrying to connect to a database. Min=0, Max=10000, Default=25

localConcurrentIoLimit Maximum concurrent IO transactions it performs for vDisks that are local. A value of 0 disables the feature. Min=0, Max=128, Default=4

remoteConcurrentIoLimit Maximum concurrent IO transactions it performs for vDisks that are remote. A value of 0 disables the feature. Min=0, Max=128, Default=4

logLevel Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=4

logFileSizeMax Maximum size log files can reach in Megabytes. Min=1, Max=50, Default=5

logFileBackupCopiesMax Maximum number of log file backups. Min=1, Max=50, Default=4

powerRating A strictly relative rating of this Server's capabilities when compared to other Servers in the Store(s) it belongs too; can be used to help tune load balancing. Min=0.1, Max=1000, Default=1

lastCeipUploadAttempt	Time that this server last attempted a CEIP upload. Default=null
lastBugReportAttempt	Time that this server last attempted to upload or generate a bug report bundle. Default=null
lastBugReportStatus	Status of the last bug report on this server. Default=null Max Length=250
lastBugReportResult	Status of the last bug report on this server. Default=null Max Length=4000
lastBugReportSummary	Summary of the last bug report on this server. Default=null Max Length=250
resultId	If successful, the GUID of the record added.

## Mcli-Add Site

Add a Site to the system.

-r	Record to add. All record fields that do not have a Default are required.
siteName	Name of the Site. Max Length=50
description	User description. Default="" Max Length=250
inventoryFilePollingInterval	The number of seconds between polls for Disk changes in the Stores. Min=1, Max=600, Default=60
enableDiskUpdate	1 when Disk Updated is enabled for the Site, 0 otherwise. Default=0
diskUpdateServerId	GUID of the Disk Update Server for the Site. Not used with diskUpdateServerName. Default=null Length=36
diskUpdateServerName	Name of the Disk Update Server for the Site. Not used with diskUpdateServerId. Default=null
makUser	User name used for MAK activation. Default=null Max Length=64
makPassword	User password used for MAK activation. Default=null Max Length=64
enableXsProxy	Enable XenServerProxy when set to 1 Default=null
virtualHostingPoolId	GUID of the VirtualHostingPool object.
virtualHostingPoolName	Name of the VirtualHostingPool object.
xsPvsSiteUuid	GUID of the XenServer PVS Site.
resultId	If successful, the GUID of the record added.

## Mcli-Add SiteView

Add a View to a Site.

-r	Record to add. All record fields that do not have a Default are required.
siteViewName	Name of the Site View. Max Length=50
siteId	GUID of the Site this View is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this View is to be a member of. It is not used with siteId.
description	User description. Default="" Max Length=250
resultId	If successful, the GUID of the record added.

## Mcli-Add Store

Add a Store to the system.

-r	Record to add. All record fields that do not have a Default are required.
storeName	Name of the Store. Max Length=50
siteId	GUID of the Site where Administrators of that Site can change this Store. Not used for Farm Stores. siteName can be used instead. Default=null Length=36
siteName	Name of the Site where Administrators of that Site can change this Store. Not used for Farm Stores. siteId can be used instead. Default=null
description	User description. Default="" Max Length=250
path	Default directory path that the Servers use to access this Store. Max Length=255
cachePath	Default Cache path(s) that the Servers use with this Store. It is an ordered comma-delimited list. If none are specified the caches will be placed in the WriteCache subdirectory of the Store path. Default=None
resultId	If successful, the GUID of the record added.

## Mcli-Add UpdateTask

Add a new Update Task for the Site.

-r	Record to add. All record fields that do not have a Default are required.
updateTaskName	Name of the Update Task. It is unique within the Site. Max Length=50
siteId	GUID of the Site that this Update Task is a member of. It is not used with siteName. Length=36
siteName	Name of the Site that this Update Task is a member of. It is not used with siteId.
description	User description. Default="" Max Length=250

enabled	1 when it will be processed, 0 otherwise. Default=1
hour	The hour of the day to perform the task. Min=0, Max=23, Default=0
minute	The minute of the hour to perform the task. Min=0, Max=59, Default=0
recurrence	The update will reoccur on this schedule. 0 = None, 1 = Daily, 2 = Every Weekday, 3 = Weekly, 4 = Monthly Date, 5 = Monthly Type. Min=0, Max=5, Default=0
dayMask	Days selected values. 1 = Monday, 2 = Tuesday, 4 = Wednesday, 8 = Thursday, 16 = Friday, 32 = Saturday, 64 = Sunday, 128 = Day. Default=0. This is used with Weekly and Monthly Type recurrence. Min=1, Max=255, Default=4
date	Comma delimited days of the month. Numbers from 1-31 are the only valid values. This is used with Monthly Date recurrence. Default="" Max Length=83
monthlyOffset	When to happen monthly. 0 = None, 1 = First, 2 = Second, 3 = Third, 4 = Forth, 5 = Last. This is used with Monthly Type recurrence. Min=0, Max=5, Default=3
esdType	Esd to use. Valid values are SCCM or WSUS. If no value, a custom script is run on the client. Default=null Max Length=50
preUpdateScript	Script file to run before the update starts. Default=null Max Length=255
preVmScript	Script file to run before the VM is loaded. Default=null Max Length=255
postUpdateScript	Script file to run after the update finishes. Default=null Max Length=255
postVmScript	Script file to run after the VM is unloaded. Default=null Max Length=255
domain	Domain to add the Disk Update Device(s) to. If not included, the first Domain Controller found on the Server is used. Default=null Max Length=255
organizationUnit	Organizational Unit to add the Disk Update Device(s) to. This parameter is optional. If it is not specified, the device is added to the built in Computers container. Child OU's should be delimited with forward slashes, e.g. "ParentOU/ChildOU". Special characters in an OU name, such as '"', '#', '+', ',', ';', '>', '=', must be escaped with a backslash. For example, an OU called "commaIn,TheMiddle" must be specified as "commaIn\,TheMiddle". The old syntax of

	delimiting child OU's with a comma is still supported, but deprecated. Note that in this case, the child OU comes first, e.g. "ChildOU,ParentOU". Default=null Max Length=255
postUpdateApprove	Access to place the version in after the update has occurred. 0 = Production, 1 = Test, 2 = Maintenance. Min=0, Max=2, Default=0
resultId	If successful, the GUID of the record added.

## Mcli-Add VirtualHostingPool

Add a new Virtual Hosting Pool for the Site.

-r	Record to add. All record fields that do not have a Default are required.
virtualHostingPoolName	Name of the Virtual Hosting Pool. It is unique within the Site. Max Length=50
siteId	GUID of the Site that this Virtual Hosting Pool is a member of. It is not used with siteName. Length=36
siteName	Name of the Site that this Virtual Hosting Pool is a member of. It is not used with siteId.
type	Type of the Virtual Hosting Pool. 0 = Citrix XenServer, 1 = Microsoft SCVMM/Hyper-V, 2 = VMWare vSphere/ESX. Min=0, Max=3, Default=0
description	User description. Default="" Max Length=250
server	Name or IP of the Host Server. Max Length=255
port	Port of the Host Server. Min=80, Max=65534, Default=80
datacenter	Datacenter of the Virtual Hosting Pool. Default="" Max Length=250
updateLimit	Number of updates at the same time. Min=2, Max=1000, Default=1000
updateTimeout	Timeout for updates. Min=2, Max=240, Default=60
shutdownTimeout	Timeout for shutdown. Min=2, Max=30, Default=10
userName	Name to use when logging into the Server.
password	Password to use when logging into the Server.
xdHostingUnitUuid	UUID of XenDesktop Hosting Unit Default=null Length=36
prepopulateEnabled	Enable prepopulate when set to 1 Default=0

xsPvsSiteUuid	UUID of XenServer PVS_site Default=null Length=36
platformVersion	Hypervisor Host Version Default=null Max Length=250
xdHcHypervisorConnectionName	Hypervisor Connection Name for HCL Connection Details object Default=null Max Length=250
xdHcHypervisorConnectionUid	Hypervisor Connection Uid for HCL Connection Details object Default=null Max Length=250
xdHcRevision	Revision for HCL Connection Details object Default=null Max Length=250
xdHcCustomProperties	Custom Properties for HCL Connection Details object Default=null Max Length=250
xdHcSslThumbprints	Ssl Thumbprints for HCL Connection Details object Default=null Max Length=250
disableHostXsProxy	True to disable PVS-Accelerator Default=null
resultId	If successful, the GUID of the record added.

## Mcli-Delete

Mcli-Delete commandName[ -p name=value[, name2=value2]]

### Mcli-Delete AuthGroup

Delete an AuthGroup Active Directory or Windows Group name.

-p	Parameters needed for this Delete.
One of these required	
authGroupId	GUID of the AuthGroup to Delete.
authGroupName	Name of the AuthGroup to Delete.
Optional	
force	When set to 1, the AuthGroup will be Deleted even if being used, otherwise an error is returned if being used.

### Mcli-Delete Collection

Delete a Collection.

-p	Parameters needed for this Delete.
This required	
collectionId	GUID of the Collection to Delete.
or this required & resolution	
collectionName	Name of the Collection to Delete.
One of these resolutions when needed	
siteId	GUID of the Site.

siteName Name of the Site.

## Mcli-Delete Device

Delete one or more Devices.

-p Parameters needed for this Delete.

One of these required

deviceId GUID of the Device to Delete.

deviceName Name of the Device to Delete.

deviceMac MAC of the Device to Delete.

collectionId GUID of the Collection to delete all Devices.

or this required & resolution

collectionName Name of the Collection to delete all Devices.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

## Mcli-Delete DeviceDiskCacheFile

Delete the Disk cache files for a Device.

-p Parameters needed for this Delete.

One of these required

deviceId GUID of the Device to Delete Disk cache files.

deviceName Name of the Device to Delete Disk cache files.

deviceMac MAC of the Device to Delete Disk cache files.

This required

diskLocatorId GUID of the Disk Locator to Delete Disk cache files.

or this required & resolution

diskLocatorName Name of the Disk Locator File to Delete Disk cache files.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Delete DiskLocator

Delete one or more Disk Locators.

-p Parameters needed for this Delete.

This required

diskLocatorId GUID of the Disk Locator to Delete.

or one of these required & resolutions

diskLocatorName Name of the Disk Locator File to Delete.

storeId GUID of the Store to delete all DiskLocators.

storeName Name of the Store to delete all DiskLocators.

Optional

deleteDiskFile 1 if the Disk File should be deleted, 0 otherwise. Default=0

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Delete DiskUpdateDevice

Delete a Disk Update Device.

-p Parameters needed for this Delete.

One of these required

deviceId GUID of the Disk Update Device to Delete.

deviceName Name of the Disk Update Device to Delete.

deviceMac MAC of the Disk Update Device to Delete.

## Mcli-Delete DiskVersion

Remove the latest Disk version or no longer needed version if no Devices are currently booted from that version.

-p Parameters needed for this Delete.

This required

diskLocatorId GUID of the Disk Locator to Delete the Version from.

or this required & resolution

diskLocatorName                   Name of the Disk Locator File to Delete the Version from.

Optional

version                            Specifies the version that should be deleted. Used when deleting versions that are no longer needed because of a Merge.

One of these resolutions when needed

siteId                            GUID of the Site.

siteName                         Name of the Site.

One of these resolutions when needed

storeId                           GUID of the Store that is needed when a diskLocatorName is used.

storeName                        Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Delete FarmView

Delete a View from the Farm.

-p                                 Parameters needed for this Delete.

One of these required

farmViewId                       GUID of the Farm View to Delete.

farmViewName                     Name of the Farm View to Delete.

## Mcli-Delete Server

Delete a Server.

-p                                 Parameters needed for this Delete.

One of these required

serverId                          GUID of the Server to Delete.

serverName                        Name of the Server to Delete.

## Mcli-Delete ServerStore

Delete the connection from a Server to a Store.

-p                                 Parameters needed for this Delete.

One of these required

serverId                          GUID of a Server that uses the path to get to the Store.

serverName                        Name of a Server that uses the path to get to the Store.

One of these required

storeId                           GUID of the Store.

storeName                        Name of the Store.

## Mcli-Delete Site

Delete a Site.

-p Parameters needed for this Delete.  
One of these required  
siteId GUID of the Site to Delete.  
siteName Name of the Site to Delete.

## Mcli-Delete SiteView

Delete a View from a Site.

-p Parameters needed for this Delete.  
This required  
siteViewId GUID of the Site View to Delete.  
or this required & resolution  
siteViewName Name of the Site View to Delete.  
One of these resolutions when needed  
siteId GUID of the Site.  
siteName Name of the Site.

## Mcli-Delete Store

Delete a Store.

-p Parameters needed for this Delete.  
One of these required  
storeId GUID of the Store to Delete.  
storeName Name of the Store to Delete.

## Mcli-Delete UpdateTask

Delete an Update Task from a Site.

-p Parameters needed for this Delete.  
This required  
updateTaskId GUID of the Update Task to Delete.  
or this required & resolution  
updateTaskName Name of the Update Task to Delete.  
One of these resolutions when needed  
siteId GUID of the Site.  
siteName Name of the Site.

## Mcli-Delete VirtualHostingPool

Delete a Virtual Hosting Pool from a Site.

-p Parameters needed for this Delete.

This required

virtualHostingPoolId GUID of the Virtual Hosting Pool to Delete.  
or this required & resolution

virtualHostingPoolName Name of the Virtual Hosting Pool to Delete.  
One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

## Mcli-Get

Mcli-Get commandName[ -p name=value[, name2=value2]][ -s field[-]][ -f field[, field2]]

### Mcli-Get AdDomains

Get all of the available Active Directory domains.

-f List of fields to retrieve, if not included, all fields are retrieved.  
name Name of the Domain.  
records If successful, records retrieved.

### Mcli-Get AuditActionParameters

Get the Parameters of an Audit Action.

-p Parameters needed for the Get.  
This required  
auditActionId GUID of the Audit Action to Get Parameters for.  
-f List of fields to retrieve, if not included, all fields are retrieved.  
auditParameterName Name of the parameter. Max Length=50  
value Value of the parameter. Max Length=1000  
records If successful, records retrieved.

### Mcli-Get AuditActionProperties

Get the Properties of an Audit Action.

-p Parameters needed for the Get.  
This required  
auditActionId GUID of the Audit Action to Get Properties for.  
-f List of fields to retrieve, if not included, all fields are retrieved.  
auditPropertyName Name of the property. Max Length=50

oldValue	Previous value of the Property. Default=null Max Length=1000
newValue	New value of the Property. Default=null Max Length=1000
records	If successful, records retrieved.

## Mcli-Get AuditActionSibling

Get the Sibling of an Audit Action. It is the 2nd object involved with the action.

-p	Parameters needed for the Get.
This required	
auditActionId	GUID of the Audit Action to Get Sibling for.
-f	List of fields to retrieve, if not included, all fields are retrieved.
auditActionId	GUID of the action. Length=36
type	Type of object that action was performed on. Values are: 1 (AuthGroup), 2 (Collection), 3 (Device), 4 (Disk), 5 (DiskLocator), 6 (Farm), 7 (FarmView), 8 (Server), 9 (Site), 10 (SiteView), 11 (Store), 12 (System), and 13 (UserGroup)
objectId	GUID of the object of the action. Length=36
objectName	Name of the object of the action. Max Length=1000
path	Path of the object of the action. An example is Site\Collection for a Device. Default=null Max Length=101
siteId	GUID of the Site for the object of the action. Empty when not valid. Default=null Length=36
subId	GUID of the Collection or Store of the action. Empty when not valid. Default=null Length=36
records	If successful, records retrieved.

## Mcli-Get AuditTrail

Get the Audit Trail actions for a Farm, Site, Server, DiskLocator, Collection, Device, User Group, Site View, Farm View or Store. All Audit Trail actions are returned if no parameters are passed. The result can be filtered by parent, user\domain and date range.

-p	Parameters needed for the Get.
One of these optional	
auditActionId	GUID of the Audit Action to Get.

parentId	Parent auditActionId of the records to retrieve. If no parameters are included, only records with no parent are returned.
rootId	Root auditActionId of the records to retrieve. All of the actions caused by the root action are returned. If no parameters are included, only records with no root are returned.
siteId	GUID of the Site to get the Audit Trail for.
siteName	Name of the Site to get the Audit Trail for.
collectionId	GUID of the Collection to get the Audit Trail for.
siteViewId	GUID of the Site View to get the Audit Trail for.
farmViewId	GUID of the Farm View to get the Audit Trail for.
farmViewName	Name of the Farm View to get the Audit Trail for.
serverId	GUID of the Server to get the Audit Trail for.
serverName	Name of the Server to get the Audit Trail for.
deviceId	GUID of the Device to get the Audit Trail for.
deviceName	Name of the Device to get the Audit Trail for.
deviceMac	MAC of the Device to get the Audit Trail for.
storeId	GUID of the Store to get the Audit Trail for.
storeName	Name of the Store to get the Audit Trail for.
diskLocatorId	GUID of the DiskLocator to get the Audit Trail for.
or one of these optional & resolutions	
collectionName	Name of the Collection to get the Audit Trail for.
siteViewName	Name of the Site View to get the Audit Trail for.
diskLocatorName	Name of the DiskLocator to get the Audit Trail for.
Optional	
userName	User that performed the action.
domain	Domain of the user that performed the action.

beginDate Date of the first actions to get. If not included, all actions until the endDate are returned. If neither this or the endDate are included, then only actions that occurred in the last week are returned. Format is: yyyy/mm/dd

endDate Date of the last actions to get. If not included, all actions from the beginDate until now are returned. If neither this or the beginDate are included, then only actions that occurred in the last week are returned. Format is: yyyy/mm/dd

type Comma delimited list of types to get. Values are listed in the type field description.

action Comma delimited list of actions to get. Values are listed in the action field description.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

-f List of fields to retrieve, if not included, all fields are retrieved.

auditActionId GUID of the action. Length=36

time Date/Time the action occurred down to the millisecond. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=getdate

userName User that performed the action. Max Length=255

domain Domain of the user that performed the action. Max Length=255

type Type of object that action was performed on. Values are: 0 (Many), 1 (AuthGroup), 2 (Collection), 3 (Device), 4 (Disk), 5 (DiskLocator), 6 (Farm), 7 (FarmView), 8 (Server), 9 (Site), 10 (SiteView), 11 (Store), 12 (System), and 13 (UserGroup)

action Name of the action taken. This is a number that is converted to a string for display. Values are: 1 (AddAuthGroup), 2 (AddCollection), 3 (AddDevice), 4 (AddDiskLocator), 5 (AddFarmView), 6 (AddServer), 7 (AddSite), 8 (AddSiteView), 9 (AddStore), 10 (AddUserGroup), 11

(AddVirtualHostingPool), 12 (AddUpdateTask),  
13 (AddDiskUpdateDevice), 1001  
(DeleteAuthGroup), 1002 (DeleteCollection),  
1003 (DeleteDevice), 1004  
(DeleteDeviceDiskCacheFile), 1005  
(DeleteDiskLocator), 1006 (DeleteFarmView),  
1007 (DeleteServer), 1008  
(DeleteServerStore), 1009 (DeleteSite), 1010  
(DeleteSiteView), 1011 (DeleteStore), 1012  
(DeleteUserGroup), 1013  
(DeleteVirtualHostingPool), 1014  
(DeleteUpdateTask), 1015  
(DeleteDiskUpdateDevice), 1016  
(DeleteDiskVersion), 2001  
(RunAddDeviceToDomain), 2002  
(RunApplyAutoUpdate), 2003  
(RunApplyIncrementalUpdate), 2004  
(RunArchiveAuditTrail), 2005  
(RunAssignAuthGroup), 2006  
(RunAssignDevice), 2007  
(RunAssignDiskLocator), 2008  
(RunAssignServer), 2009 (RunWithReturnBoot),  
2010 (RunCopyPasteDevice), 2011  
(RunCopyPasteDisk), 2012  
(RunCopyPasteServer), 2013  
(RunCreateDirectory), 2014  
(RunCreateDiskCancel), 2015  
(RunDisableCollection), 2016  
(RunDisableDevice), 2017  
(RunDisableDeviceDiskLocator), 2018  
(RunDisableDiskLocator), 2019  
(RunDisableUserGroup), 2020  
(RunDisableUserGroupDiskLocator), 2021  
(RunWithReturnDisplayMessage), 2022  
(RunEnableCollection), 2023  
(RunEnableDevice), 2024  
(RunEnableDeviceDiskLocator), 2025  
(RunEnableDiskLocator), 2026  
(RunEnableUserGroup), 2027  
(RunEnableUserGroupDiskLocator), 2028  
(RunExportOemLicenses), 2029  
(RunImportDatabase), 2030  
(RunImportDevices), 2031  
(RunImportOemLicenses), 2032 (RunMarkDown),  
2033 (RunWithReturnReboot), 2034  
(RunRemoveAuthGroup), 2035  
(RunRemoveDevice), 2036  
(RunRemoveDeviceFromDomain), 2037  
(RunRemoveDirectory), 2038  
(RunRemoveDiskLocator), 2039  
(RunResetDeviceForDomain), 2040  
(RunResetDatabaseConnection), 2041  
(RunRestartStreamingService), 2042  
(RunWithReturnShutdown), 2043  
(RunStartStreamingService), 2044  
(RunStopStreamingService), 2045  
(RunUnlockAllDisk), 2046 (RunUnlockDisk),

2047 (RunServerStoreVolumeAccess), 2048  
(RunServerStoreVolumeMode), 2049  
(RunMergeDisk), 2050 (RunRevertDiskVersion),  
2051 (RunPromoteDiskVersion), 2052  
(RunCancelDiskMaintenance), 2053  
(RunActivateDevice), 2054  
(RunAddDiskVersion), 2055 (RunExportDisk),  
2056 (RunAssignDisk), 2057 (RunRemoveDisk),  
2058 (RunDiskUpdateStart), 2059  
(RunDiskUpdateCancel), 2060  
(RunSetOverrideVersion), 2061  
(RunCancelTask), 2062 (RunClearTask), 2063  
(RunForceInventory), 2064 RunUpdateBDM, 2065  
(RunStartDeviceDiskTempVersionMode), 2066  
(RunStopDeviceDiskTempVersionMode), 3001  
(RunWithReturnCreateDisk), 3002  
(RunWithReturnCreateDiskStatus), 3003  
(RunWithReturnMapDisk), 3004  
(RunWithReturnRebalanceDevices), 3005  
(RunWithReturnCreateMaintenanceVersion),  
3006 (RunWithReturnImportDisk), 4001  
(RunByteArrayInputImportDevices), 4002  
(RunByteArrayInputImportOemLicenses), 5001  
(RunByteArrayOutputArchiveAuditTrail), 5002  
(RunByteArrayOutputExportOemLicenses), 6001  
(SetAuthGroup), 6002 (SetCollection), 6003  
(SetDevice), 6004 (SetDisk), 6005  
(SetDiskLocator), 6006 (SetFarm), 6007  
(SetFarmView), 6008 (SetServer), 6009  
(SetServerBiosBootstrap), 6010  
(SetServerBootstrap), 6011 (SetServerStore),  
6012 (SetSite), 6013 (SetSiteView), 6014  
(SetStore), 6015 (SetUserGroup), 6016  
SetVirtualHostingPool, 6017 SetUpdateTask,  
6018 SetDiskUpdateDevice, 7001  
(SetListDeviceBootstraps), 7002  
(SetListDeviceBootstrapsDelete), 7003  
(SetListDeviceBootstrapsAdd), 7004  
(SetListDeviceCustomProperty), 7005  
(SetListDeviceCustomPropertyDelete), 7006  
(SetListDeviceCustomPropertyAdd), 7007  
(SetListDeviceDiskPrinters), 7008  
(SetListDeviceDiskPrintersDelete), 7009  
(SetListDeviceDiskPrintersAdd), 7010  
(SetListDevicePersonality), 7011  
(SetListDevicePersonalityDelete), 7012  
(SetListDevicePersonalityAdd), 7013  
(SetListDiskLocatorCustomProperty), 7014  
(SetListDiskLocatorCustomPropertyDelete),  
7015 (SetListDiskLocatorCustomPropertyAdd),  
7016 (SetListServerCustomProperty), 7017  
(SetListServerCustomPropertyDelete), 7018  
(SetListServerCustomPropertyAdd), 7019  
(SetListUserGroupCustomProperty), 7020  
(SetListUserGroupCustomPropertyDelete), and  
7021 (SetListUserGroupCustomPropertyAdd)

objectId	GUID of the object of the action. Default=null Length=36
objectName	Name of the object of the action. Default=null Max Length=1000
path	Path of the object of the action. An example is Site\Collection for a Device. Default=null Max Length=101
siteId	GUID of the Site for the object of the action. Empty when not valid. Default=null Length=36
subId	GUID of the Collection or Store of the action. Empty when not valid. Default=null Length=36
parentId	GUID of the parent action (one that triggered this action) if one exists. Empty when not valid. Default=null Length=36
rootId	GUID of the root action (one that triggered this group of actions) if one exists. Empty when not valid. Default=null Length=36
attachments	An or'ed value that indicates if there are any details for this action. A value of 15 indicates that there are Children, Sibling, Parameters and Properties for the action. Values are: 0 (None), 1 (Children), 2 (Sibling), 4 (Parameters), and 8 (Properties) Default=0
records	If successful, records retrieved.

## Mcli-Get AuthGroup

Get the fields for an AuthGroup, all AuthGroups in the system, AuthGroups with Farm, Site or Collection Authorization. All AuthGroups in the system are returned if no parameters are passed.

-p	Parameters needed for the Get.
One of these optional	
authGroupId	GUID of the AuthGroup to Get.
authGroupName	Name of the AuthGroup to Get.
siteId	GUID of the Site to Get all AuthGroups with Authorization for.
siteName	Name of the Site to Get all AuthGroups with Authorization for.
collectionId	GUID of the Collection to Get all AuthGroups with Authorization for.
or this optional & resolution	
collectionName	Name of the Collection to Get all AuthGroups with Authorization for.
Optional	

farm 1 if AuthGroups with Farm Authorization should be returned, 0 otherwise.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

-s Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

authGroupName Name of the Active Directory or Windows Group. Max Length=450

description User description. Default="" Max Length=250

-f List of fields to retrieve, if not included, all fields are retrieved.

authGroupId Read-only GUID that uniquely identifies this AuthGroup. Length=36

authGroupName Name of the Active Directory or Windows Group. Max Length=450

description User description. Default="" Max Length=250

role Role of the AuthGroup for a Collection. role can only be used with collectionId or collectionName. 300 is Collection Administrator, and 400 is Collection Operator. Default=999

records If successful, records retrieved.

## Mcli-Get AuthGroupUsage

Get the items that are authorized for an AuthGroup.

-p Parameters needed for the Get.

One of these required

authGroupId GUID of the AuthGroup to Get all items that are authorized for it.

authGroupName Name of the AuthGroup to Get all items that are authorized for it.

-f List of fields to retrieve, if not included, all fields are retrieved.

id GUID of the item. The item can be a Farm, Site or Collection. It will be empty for Farm.

name Name of the item. The item can be a Farm, Site or Collection.

role Role of the AuthGroup for the item. 100 is Farm Administrator, 200 is Site Administrator, 300 is Collection Administrator, and 400 is Collection Operator. Default=999

records If successful, records retrieved.

## Mcli-Get CeipData

Get the CEIP configuration

-p Parameters needed for the Get.  
Optional  
uuid CEIP UUID of this Farm. This is optional since there is only one.  
-f List of fields to retrieve, if not included, all fields are retrieved.  
enabled 1 if CEIP is enabled, otherwise 0. Min=0, Max=1  
uuid CEIP UUID. Length=36  
nextUpload Date and time next CEIP upload is due if enabled is 1. Default=null  
inProgress 1 if an upload is currently in progress, otherwise 0. Default=0  
serverId ID of server that is currently uploading, null if inProgress is 0. Default=null Length=36  
oneTimeUpload 1 to perform a one time upload. Default=0  
records If successful, records retrieved.

## Mcli-Get CisData

Get the CIS configuration

-f List of fields to retrieve, if not included, all fields are retrieved.  
cisDataId CIS UUID Length=36  
userName Username used to obtain the token Default=null Max Length=255  
uploadToken Token for uploading bundles to CIS Default=null Max Length=10  
path Path where the last problem report bundle was saved Default=null Max Length=255  
password Password of the user required to obtain the token. This is required only by Set and Add  
records If successful, records retrieved.

## Mcli-Get Collection

Get the fields for a Collection or all Collections in a Site or Farm. All Collections are returned if no parameters are passed.

-p Parameters needed for the Get.  
One of these optional

collectionId                    GUID of the Collection to Get.  
siteId                         GUID of the Site to Get all Collections for.  
siteName                       Name of the Site to Get all Collections for.  
or this optional & resolution  
collectionName                 Name of the Collection to Get.  
One of these resolutions when needed  
siteId                         GUID of the Site.  
siteName                       Name of the Site.  
-s                              Name of field to sort on. If not included,  
the first field listed is used. Append a - to  
the field name to get descending order.  
collectionName                 Name of the Collection. It is unique within  
the Site. Max Length=50  
description                    User description. Default="" Max Length=250  
deviceCount                    Read-only count of Devices in this  
Collection. Default=0  
deviceWithPVDCount            Read-only count of Devices with Personal  
vDisk in this Collection. Default=0  
activeDeviceCount             Read-only count of active Devices in this  
Collection. Default=0  
-f                              List of fields to retrieve, if not included,  
all fields are retrieved.  
collectionId                    Read-only GUID that uniquely identifies this  
Collection. Length=36  
collectionName                 Name of the Collection. It is unique within  
the Site. Max Length=50  
siteId                         GUID of the Site that this Collection is a  
member of. It is not used with siteName.  
Length=36  
siteName                       Name of the Site that this Collection is a  
member of. It is not used with siteId.  
description                    User description. Default="" Max Length=250  
templateDeviceId               GUID of a Device in the Collection whose  
settings are used for initial values of new  
Devices. Not used with templateDeviceName.  
Default=null Length=36  
templateDeviceName            Name of a Device in the Collection whose  
settings are used for initial values of new  
Devices. Not used with templateDeviceId.  
Default=null  
lastAutoAddDeviceNumber       The Device Number of the last Auto Added  
Device. Default=0  
enabled                        1 when Devices in the Collection can be  
booted, 0 otherwise. Default=1

deviceCount	Read-only count of Devices in this Collection. Default=0
deviceWithPVDCount	Read-only count of Devices with Personal vDisk in this Collection. Default=0
activeDeviceCount	Read-only count of active Devices in this Collection. Default=0
makActivateNeededCount	Read-only count of active Devices that need MAK activation in this Collection. Default=0
autoAddPrefix	The string put before the Device Number for Auto Add. Default=null ASCII computer name characters no end digit Max Length=12
autoAddSuffix	The string put after the Device Number for Auto Add. Default=null ASCII computer name characters no begin digit Max Length=12
autoAddZeroFill	1 when zeros be placed before the Device Number up to the autoAddNumberLength for Auto Add, 0 otherwise. Default=1
autoAddNumberLength	The maximum length of the Device Number for Auto Add. This length plus the autoAddPrefix length plus the autoAddSuffix length must be less than 16. Required that $((\text{lenautoAddPrefix} + \text{lenautoAddSuffix}) + \text{autoAddNumberLength}) \leq 15$ . Min=3, Max=9, Default=4
role	Read-only Role of the user for this item. 100 is Farm Administrator, 200 is Site Administrator, 300 is Collection Administrator, and 400 is Collection Operator. Default=999
records	If successful, records retrieved.

## Mcli-Get CommandDescription

Return one or more commands with description.

-p	Parameters needed for the Get.
This required	
Action	Action to get commands with description for.
Optional	
Type	Command Type of the Action to get a description for.
ObjectType	Object Type to get command descriptions for. Valid Object Types are: Many, AuthGroup, Collection, Device, Disk, DiskLocator, Farm, FarmView, Server, Site, SiteView, Store, and System.
IType	Interface Type to get command descriptions for. Values are: 0 (Mcli), 1 (PowerShell), 2 (SoapServer). Default=0

Culture	Optional culture to use for the command descriptions returned.
records	If successful, records retrieved.

## Mcli-Get CommandFields

Return one record with fields and descriptions.

-p	Parameters needed for the Get.
This required	
Action	Action to get fields.
This required	
Type	Type of the Action to get fields.
Optional	
Culture	Optional culture to use for the field descriptions returned.
records	If successful, records retrieved.

## Mcli-Get CommandParameters

Return records with parameter type, parameters and descriptions. Parameter types that maybe returned include: Optional, RequiredSingle, OptionalSingle, RequiredSingleAmbiguous, OptionalSingleAmbiguous, and Resolution.

-p	Parameters needed for the Get.
This required	
Action	Action to get parameters.
This required	
Type	Type of the Action to get parameters.
Optional	
Culture	Optional culture to use for the parameter descriptions returned.
records	If successful, records retrieved.

## Mcli-Get CommandSortFields

Return one record with sort fields and descriptions.

-p	Parameters needed for the Get.
This required	
Action	Action to get sort fields.
This required	
Type	Type of the Action to get sort fields.
Optional	
Culture	Optional culture to use for the sort field descriptions returned.

records If successful, records retrieved.

## Mcli-Get CommandStandardParameters

Return one record with standard parameter types and descriptions. Parameter types that maybe returned include: parameters, fields, record, records, sortField, resultId, rv, startPosition, maxRecords, totalCount, dataIn, dataOut, and commands.

-p	Parameters needed for the Get.
This required	
Action	Action to get standard parameter types and descriptions.
This required	
Type	Type of the Action to get standard parameter types and descriptions.
Optional	
Culture	Optional culture to use for the standard parameter descriptions returned.
records	If successful, records retrieved.

## Mcli-Get Device

Get the fields for a Device, all Devices in a Collection, Site, Farm View, or Farm. All Devices are returned if no parameters are passed.

-p	Parameters needed for the Get.
One of these optional	
deviceId	GUID of the Device to Get.
deviceName	Name of Device to Get.
deviceMac	MAC of the Device to Get.
collectionId	GUID of the Collection to Get all Devices for.
serverId	GUID of the Server to Get all Devices for.
serverName	Name of the Server to Get all Devices for.
diskLocatorId	GUID of the DiskLocator to Get all Devices for.
siteViewId	GUID of the Site View to Get all Devices for.
siteId	GUID of the Site.
siteName	Name of the Site.
farmViewId	GUID of the Farm View to Get all Devices for.
farmViewName	Name of the Farm View to Get all Devices for.

bdmBoot	Include only the BDM Devices when set to 1. PXE devices if set to 0. If not included, all Devices are returned.
deviceIdList	Comma delimited list of GUIDs of the Devices to Get. Maximum length is 8000 characters.
deviceNameList	Comma delimited list of Names of the Devices to Get. Maximum length is 8000 characters.
deviceMacList	Comma delimited list of MACs of the Devices to Get. Maximum length is 8000 characters.
or one of these optional & resolutions	
collectionName	Name of the Collection to Get all Devices for.
diskLocatorName	Name of the DiskLocator to Get all Devices for.
siteViewName	Name of the Site View to Get all Devices for.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. This cannot be Set for a Device with Personal vDisk. Min=1, Max=3, Default=1
className	Used by Automatic Update feature to match new versions of Disks to a Device. This cannot be Set for a Device with Personal vDisk. Default="" Max Length=41
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
-f	List of fields to retrieve, if not included, all fields are retrieved.

deviceId	Read-only GUID that uniquely identifies this Device. Length=36
deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
collectionId	GUID of the Collection this Device is to be a member of. It is not used with collectionName. Length=36
collectionName	Name of the Collection this Device is to be a member of. siteName or siteId must also be used.
siteId	GUID of the Site the collectionName is to be a member of. This or siteName is used with collectionName.
siteName	Name of the Site the collectionName is to be a member of. This or siteId is used with collectionName.
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. This cannot be Set for a Device with Personal vDisk. Min=1, Max=3, Default=1
className	Used by Automatic Update feature to match new versions of Disks to a Device. This cannot be Set for a Device with Personal vDisk. Default="" Max Length=41
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
enabled	1 when it can be booted, 0 otherwise. This cannot be Set for a Device with Personal vDisk. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. This cannot be Set for a Device with Personal vDisk. Default=0
role	Read-only Role of the user for this item. 100 is Farm Administrator, 200 is Site Administrator, 300 is Collection Administrator, and 400 is Collection Operator. Default=999
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. This cannot be Set for a Device with Personal vDisk. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=20

password	Password of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=100
active	1 if the Device is currently active, 0 otherwise. Default=0
template	1 if the Device is the template in its Collection, 0 otherwise. Default=0
adTimestamp	The time the Active Directory machine account password was generated. Do not set this field, it is only set internally by PVS. Default=0
adSignature	The signature of the Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default=0
adPassword	The Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default="" ASCII Max Length=256
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Do not set this field, it is only set internally by PVS. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Do not set this field, it is only set internally by PVS. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
type	1 when it performs test of Disks, 2 when it performs maintenance on Disks, 3 when it has a Personal vDisk, 4 when it has a Personal vDisk and performs tests, 0 otherwise. Min=0, Max=4, Default=0
pvdDriveLetter	Read-only Personal vDisk Drive letter. Range is E to U and W to Z. Default=null Max Length=1

localWriteCacheDiskSize	The size in GB to format the Device cache file disk. If the value is 0, then the disk is not formatted. Min=0, Max=2048, Default=0
virtualHostingPoolId	GUID that uniquely identifies the Virtual Hosting Pool for a VM. This is needed when Adding a VM device. Default=null Length=36
hypVmId	Hypervisor VM ID for HCL Default=null Max Length=250
temporaryVersionSet	Read-only 1 when temporary version is set. Default=0
bdmBoot	Use PXE boot when set to 0, BDM boot when set to 1. Default is PXE Default=0
bdmType	Use PXE boot when set to 0, BDM (Bios) boot when set to 1 and BDM (Uefi) boot when set to 2. Default=0
bdmFormat	1 use VHD for BDMboot, 2 use ISO, 3 use USB. Default=0
bdmUpdated	Timestamp of the last BDM boot disk update. Default=null
bdmCreated	Timestamp when BDM device was created Default=null
xsPvsProxyUuid	UUID of XenServer PVS_proxy Default=null Length=36
records	If successful, records retrieved.

## Mcli-Get DeviceBootstraps

Get all Bootstrap files for a Device, and the menuText for each.

-p	Parameters needed for the Get.
One of these required	
deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
bootstrap	Name of the bootstrap file. Max Length=259
-f	List of fields to retrieve, if not included, all fields are retrieved.
bootstrap	Name of the bootstrap file. Max Length=259
menuText	Text that is displayed in the Boot Menu. If this field has no value, the bootstrap value is used. Default="" ASCII Max Length=64
records	If successful, records retrieved.

## Mcli-Get DeviceCustomProperty

Get the Device Custom Property names and values.

-p Parameters needed for the Get.  
One of these required

deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.

-s Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

name	Name of the Device custom property. Max Length=250
------	----------------------------------------------------

-f List of fields to retrieve, if not included, all fields are retrieved.

name	Name of the Device custom property. Max Length=250
value	Value of the Device custom property. Max Length=1000

records If successful, records retrieved.

## Mcli-Get DeviceDiskPrinters

Get all non-disabled Printers for a Device/Disk, and the setting for each.

-p Parameters needed for the Get.  
One of these required

deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.

This required

diskLocatorId	GUID of the Disk Locator.
---------------	---------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator File.
-----------------	--------------------------------

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-s Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

name	Name of the Printer. Must come from the list of Printers available on the Disk.
------	---------------------------------------------------------------------------------

-f List of fields to retrieve, if not included, all fields are retrieved.

name Name of the Printer. Must come from the list of Printers available on the Disk.

state Valid states are 1 (enabled network), 2 (enabled local), or 3 (default). 0 (disabled) can be used when setting a Printer that used to be 1 or 2 to 0. The list of all Printers available come from the Disk. Min=0, Max=3

records If successful, records retrieved.

## Mcli-Get DeviceDiskTempVersion

Get Temporary Disk Version information for a Device, DiskLocator, Disk Version, Site or Farm.

-p Parameters needed for the Get.

One of these optional

deviceId GUID of the Device to get the temporary disk version information for.

deviceName Name of the Device to get the temporary disk version information for.

deviceMac MAC of the Device to get the temporary disk version information for.

siteId GUID of the Site to get temporary disk version information for, and also resolution for diskLocatorName.

siteName Name of the Site to get temporary disk version information for, and also resolution for diskLocatorName.

diskLocatorId GUID of the Disk Locator to get temporary disk version information for.

or this optional & resolution

diskLocatorName Name of the Disk Locator to get temporary disk version information for.

This optional & resolution

version Version of the DiskLocator specified to get temporary disk version information for. Needs the diskLocatorId or diskLocatorName too.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName	Name of the Store that is needed when a diskLocatorName is used.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
deviceName	Read-only Computer name that uniquely identifies the Device with temporary version. ASCII computer name characters
-f	List of fields to retrieve, if not included, all fields are retrieved.
deviceId	Read-only GUID that uniquely identifies the Device with temporary version. Length=36
deviceName	Read-only Computer name that uniquely identifies the Device with temporary version. ASCII computer name characters
diskLocatorId	Read-only GUID that uniquely identifies then Disk Locator with temporary version. Length=36
diskLocatorName	Read-only Name of the Disk Locator File with temporary version. It is unique within the Store. ASCII
siteId	Read-only GUID of the Site the Device and DiskLocator are a member of.
siteName	Read-only Name of the Site the Device and DiskLocator are a member of.
storeId	Read-only GUID of the Store that the Disk Locator is a member of.
storeName	Read-only Name of the Store that the Disk Locator is a member of.
version	Read-only Disk version the temporary is for.
records	If successful, records retrieved.

## Mcli-Get DeviceInfo

Get the fields and status for a Device, all Devices in a Collection, Site, Farm View, or Farm. All Devices are returned if no parameters are passed.

-p	Parameters needed for the Get.
One of these optional	
deviceId	GUID of the Device to Get.
deviceName	Name of Device to Get.
deviceMac	MAC of the Device to Get.
collectionId	GUID of the Collection to Get all Devices for.
serverId	GUID of the Server to Get all Devices for.
serverName	Name of the Server to Get all Devices for.

diskLocatorId	GUID of the DiskLocator to Get all Devices for.
siteViewId	GUID of the Site View to Get all Devices for.
siteId	GUID of the Site.
siteName	Name of the Site.
farmViewId	GUID of the Farm View to Get all Devices for.
farmViewName	Name of the Farm View to Get all Devices for.
deviceIdList	Comma delimited list of GUIDs of the Devices to Get. Maximum length is 8000 characters.
deviceNameList	Comma delimited list of Names of the Devices to Get. Maximum length is 8000 characters.
deviceMacList	Comma delimited list of MACs of the Devices to Get. Maximum length is 8000 characters.
bdmBoot	Include only the BDM Devices when set to 1. PXE devices if set to 0. If not included, all Devices are returned.
or one of these optional & resolutions	
collectionName	Name of the Collection to Get all Devices for.
diskLocatorName	Name of the DiskLocator to Get all Devices for.
siteViewName	Name of the Site View to Get all Devices for.
Optional	
onlyActive	Include only the active Devices when set to 1. If not included or set to 1, all Devices are returned. Only active Devices are always returned for serverId, serverName, or version.
makLicenseActivated	Optional MAK licensing indicator value to only return active Devices for. Values are: 0 (MAK not used), 1 (Not Activated), 2 (Activated).
version	Version of the Disk to Get all active Devices for. This is used with diskLocatorId or diskLocatorName.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

-s Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

deviceName Computer name with no spaces. ASCII computer name characters Max Length=15

description User description. Default="" Max Length=250

deviceMac Ethernet address as a string in the form XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17

bootFrom Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. This cannot be Set for a Device with Personal vDisk. Min=1, Max=3, Default=1

className Used by Automatic Update feature to match new versions of Disks to a Device. This cannot be Set for a Device with Personal vDisk. Default="" Max Length=41

port UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901

serverName Read-only Name of the Server that the Device is using. It is equal to "" if the Device is not active.

diskLocatorName Read-only name of the Disk Locator File that the Device is using. It is equal to the list of Disk Locator names for the Device if the Device is not active.

-f List of fields to retrieve, if not included, all fields are retrieved.

deviceId Read-only GUID that uniquely identifies this Device. Length=36

deviceName Computer name with no spaces. ASCII computer name characters Max Length=15

collectionId GUID of the Collection this Device is to be a member of. It is not used with collectionName. Length=36

collectionName Name of the Collection this Device is to be a member of. siteName or siteId must also be used.

siteId GUID of the Site the collectionName is to be a member of. This or siteName is used with collectionName.

siteName Name of the Site the collectionName is to be a member of. This or siteId is used with collectionName.

description User description. Default="" Max Length=250

deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. This cannot be Set for a Device with Personal vDisk. Min=1, Max=3, Default=1
className	Used by Automatic Update feature to match new versions of Disks to a Device. This cannot be Set for a Device with Personal vDisk. Default="" Max Length=41
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
enabled	1 when it can be booted, 0 otherwise. This cannot be Set for a Device with Personal vDisk. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. This cannot be Set for a Device with Personal vDisk. Default=0
role	Read-only Role of the user for this item. 100 is Farm Administrator, 200 is Site Administrator, 300 is Collection Administrator, and 400 is Collection Operator. Default=999
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. This cannot be Set for a Device with Personal vDisk. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=20
password	Password of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=100
active	1 if the Device is currently active, 0 otherwise. Default=0
template	1 if the Device is the template in its Collection, 0 otherwise. Default=0
adTimestamp	The time the Active Directory machine account password was generated. Do not set this field, it is only set internally by PVS. Default=0
adSignature	The signature of the Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default=0

adPassword	The Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default="" ASCII Max Length=256
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Do not set this field, it is only set internally by PVS. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Do not set this field, it is only set internally by PVS. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
type	1 when it performs test of Disks, 2 when it performs maintenance on Disks, 3 when it has a Personal vDisk, 4 when it has a Personal vDisk and performs tests, 0 otherwise. Min=0, Max=4, Default=0
pvdDriveLetter	Read-only Personal vDisk Drive letter. Range is E to U and W to Z. Default=null Max Length=1
localWriteCacheDiskSize	The size in GB to format the Device cache file disk. If the value is 0, then the disk is not formatted. Min=0, Max=2048, Default=0
virtualHostingPoolId	GUID that uniquely identifies the Virtual Hosting Pool for a VM. This is needed when Adding a VM device. Default=null Length=36
hypVmId	Hypervisor VM ID for HCL Default=null Max Length=250
temporaryVersionSet	Read-only 1 when temporary version is set. Default=0
bdmBoot	Use PXE boot when set to 0, BDM boot when set to 1. Default is PXE Default=0
bdmType	Use PXE boot when set to 0, BDM (Bios) boot when set to 1 and BDM (Uefi) boot when set to 2. Default=0

bdmFormat	1 use VHD for BDMboot, 2 use ISO, 3 use USB. Default=0
bdmUpdated	Timestamp of the last BDM boot disk update. Default=null
bdmCreated	Timestamp when BDM device was created Default=null
xsPvsProxyUuid	UUID of XenServer PVS_proxy Default=null Length=36
ip	Read-only IP of the Device. It is equal to "" if the Device is not active.
serverPortConnection	Read-only Port of the Server that the Device is using. It is equal to "" if the Device is not active. Default=0
serverIpConnection	Read-only IP of the Server that the Device is using. It is equal to "" if the Device is not active.
serverId	Read-only GUID of the Server that the Device is using. It is equal to "" if the Device is not active. Length=36
serverName	Read-only Name of the Server that the Device is using. It is equal to "" if the Device is not active.
diskLocatorId	Read-only GUID of the Disk Locator that the Device is using. It is equal to "" if the Device is not active. Length=36
diskLocatorName	Read-only name of the Disk Locator File that the Device is using. It is equal to the list of Disk Locator names for the Device if the Device is not active.
diskVersion	Read-only version of the Disk Locator File that the Device is using. It is equal to "" if the Device is not active. Default=0
diskVersionAccess	State of the Disk Version. Values are: 0 (Production), 1 (Maintenance), 2 (MaintenanceHighestVersion), 3 (Override), 4 (Merge), 5 (MergeMaintenance), 6 (MergeTest), and 7 (Test). It is equal to "" if the Device is not active. Default=0
diskFileName	Name of the Disk File including the extension. It is equal to "" if the Device is not active.
status	1 or 2 numbers in the format n,n. They are the number of retries and if ram cache is being used, ram cache percent used. It is equal to "" if the Device is not active.
licenseType	0 when None, 1 for Desktop, 2 for Server, 5 for OEM SmartClient, 6 for XenApp, 7 for XenDesktop. It is equal to 0 if the Device is not active. Default=0

makLicenseActivated	Read-only indicator if MAK licensing is being used and is activated. Values are: 0 (MAK not used), 1 (Not Activated), 2 (Activated). It is equal to "" if the Device is not active. Default=0
model	Oem Only: Read-only model of the computer. Values are OptiPlex 745, 755, 320, 760, FX160, or Default. It is equal to "" if the Device is not active.
license	Oem Only: Read-only type of the license. Values are 0 when None, 1 or 2 when Desktop. It is equal to 0 if the Device is not active. Default=0
records	If successful, records retrieved.

## Mcli-Get DevicePersonality

Get the Device Personality names and values.

-p	Parameters needed for the Get. One of these required
deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
name	Name of the Device personality item. Max Length=250
-f	List of fields to retrieve, if not included, all fields are retrieved.
name	Name of the Device personality item. Max Length=250
value	Value for the Device personality item. Max Length=1000
records	If successful, records retrieved.

## Mcli-Get DeviceStatus

Get the DeviceStatus fields for a Device or all Devices for a Server, Disk Locator, or Farm. All Devices are returned if no parameters are passed.

-p	Parameters needed for the Get. One of these optional
deviceId	GUID of the Device to Get status for.
deviceName	Name of Device to Get status for.
deviceMac	MAC of the Device to Get status for.

serverId	GUID of the Server to Get all Device Status for.
serverName	Name of the Server to Get all Device Status for.
diskLocatorId	GUID of the Disk Locator to Get all DeviceStatus for.
collectionId	GUID of the Collection to Get all DeviceStatus for.
or one of these optional & resolutions	
diskLocatorName	Name of the Disk Locator File to Get all DeviceStatus for.
collectionName	Name of the Collection to Get all DeviceStatus for.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
deviceName	Read-only Name of the Device. Can be used with Get Device.
-f	List of fields to retrieve, if not included, all fields are retrieved.
deviceId	Read-only GUID of the Device. Can be used with Get Device. Length=36
deviceName	Read-only Name of the Device. Can be used with Get Device.
ip	Read-only IP of the Device.
serverPortConnection	Read-only Port of the Server that the Device is using. Default=0
serverIpConnection	Read-only IP of the Server that the Device is using.
serverId	Read-only GUID of the Server that the Device is using. Length=36
serverName	Read-only Name of the Server that the Device is using.
diskLocatorId	Read-only GUID of the Disk Locator that the Device is using. Length=36

diskLocatorName	Read-only name of the Disk Locator File that the Device is using.
diskVersion	Read-only version of the Disk Locator File that the Device is using. Default=0
diskVersionAccess	State of the Disk Version. Values are: 0 (Production), 1 (Maintenance), 2 (MaintenanceHighestVersion), 3 (Override), 4 (Merge), 5 (MergeMaintenance), 6 (MergeTest), and 7 (Test) Default=0
diskFileName	Name of the Disk File including the extension.
status	1 or 2 numbers in the format n,n. They are the number of retries and if ram cache is being used, ram cache percent used.
licenseType	0 when None, 1 for Desktop, 2 for Server, 5 for OEM SmartClient, 6 for XenApp, 7 for XenDesktop. Default=0
makLicenseActivated	Read-only indicator if MAK licensing is being used and is activated. Values are: 0 (MAK not used), 1 (Not Activated), 2 (Activated). Default=0
records	If successful, records retrieved.

## Mcli-Get Disk

Get the fields for a single disk.

-p	Parameters needed for the Get.
This required	
diskLocatorId	GUID of the Disk Locator.
or this required & resolution	
diskLocatorName	Name of the Disk Locator.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
-f	List of fields to retrieve, if not included, all fields are retrieved.
class	Class of the Disk. Max Length=40
imageType	Type of this image (software type). Max Length=40

diskSize	Read-only size of the image. The value is 0 when it is not available. Default=0
vhdBlockSize	Block size in KB. For VHD it is only used with Dynamic type. Tested sizes for VHD are 512, 2048, and 16384. VHD Min=512, Max=16384, Default=2048. For VHDX it is used for all types. Tested size for VHDX is 32768. VHDX Min=1024, Max= 262144, Default=32768. Default=0
logicalSectorSize	Logical Sector Size. Values are: 512, 4096, Default=512
writeCacheSize	RAM cache size (MB). Not 0 when used with Cache in Device RAM, and Cache in Device RAM with Overflow on Hard Disk. A value of 0 will disable the RAM use for Cache in Device RAM with Overflow on Hard Disk. Min=0, Max=131072, Default=0
autoUpdateEnabled	Automatically update this image for matching Devices when set to 1. Default 0
activationDateEnabled	Use activation date to activate image when set to 1. Default 0
adPasswordEnabled	Enable AD password management when set to 1.
haEnabled	Enable HA when set to 1.
printerManagementEnabled	Invalid printers will be deleted from the Device when set to 1.
writeCacheType	0 (Private), (other values are standard image) 1 (Cache on Server), 3 (Cache in Device RAM), 4 (Cache on Device Hard Disk), 7 (Cache on Server, Persistent), or 9 (Cache in Device RAM with Overflow on Hard Disk). Min=0, Max=9, Default=0
licenseMode	0 (None), 1 (Multiple Activation Key), or 2 (Key Management Service). Min=0, Max=2, Default=0
activeDate	Date to activate the disk if autoUpdateEnabled and activationDateEnabled are 1. Format is yyyy/mm/dd. Empty when the autoUpdateEnabled or activationDateEnabled are 0.
longDescription	Description of the Disk. Max Length=399
operatingSystem	Operating System of Disk. Max Length=250
osType	Operating System Type of Disk. Max Length=40
serialNumber	User defined serial number. Max Length=36
date	User defined date. Max Length=40
author	User defined author. Max Length=40
title	User defined title. Max Length=40
company	User defined company. Max Length=40

internalName	User defined name. Max Length=63
originalFile	User defined original file. Max Length=127
hardwareTarget	User defined hardware target. Max Length=127
majorRelease	User defined major release number. Min=0, Max=4294967295, Default=0
minorRelease	User defined minor release number. Min=0, Max=4294967295, Default=0
build	User defined build number. Min=0, Max=4294967295, Default=0
clearCacheDisabled	Clear cached secrets disabled.
format	Format of the image. Values are: 0 (VHD), 1 (VHDX). Default=0
records	If successful, records retrieved.

## Mcli-Get DiskInfo

Get the fields for a Disk and Disk Locator or all Disks and Disk Locators for a Device, Server, Store, Site, or Farm. All Disks and DiskLocators are returned if no parameters are passed.

-p	Parameters needed for the Get.
One of these optional	
diskLocatorId	GUID of the Disk Locator to Get.
deviceId	GUID of the Device to Get all DiskLocators for.
deviceName	Name of the Device to Get all DiskLocators for.
deviceMac	MAC of the Device to Get all DiskLocators for.
serverId	GUID of the Server to Get all DiskLocators for.
serverName	Name of the Server to Get all DiskLocators for.
updateTaskId	GUID of the Update Task to Get all DiskLocators for.
siteId	GUID of the Site to Get all DiskLocators for.
siteName	Name of the Site to Get all DiskLocators for.
or one of these optional & resolutions	
diskLocatorName	Name of the Disk Locator File to Get.
storeId	GUID of the Store to Get all DiskLocators for.
storeName	Name of the Store to Get all DiskLocators for.

updateTaskName	Name of the Update Task to Get all DiskLocators for.
One of these optional	
single	Include single server connection when set to 1. If this and All are not included, both connection types are included.
all	Include all server connections for the store when set to 1. If this and Single are not included, both connection types are included.
Optional	
onlyActive	Include only the active DiskLocators when set to 1. If not included or set to 0, all DiskLocators are returned.
updateDevice	Include DiskLocators that have an Update Device when set to 1. Include DiskLocators that do not have an Update Device when set to 0. If this parameter is not included, then all DiskLocators are returned.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
diskLocatorName	Name of the Disk Locator File. It is unique within the Store. ASCII Max Length=52
description	User description. Default="" Max Length=250
menuText	Text that is displayed in the Boot Menu. If this field has no value, the name value is used. Default="" ASCII Max Length=64
-f	List of fields to retrieve, if not included, all fields are retrieved.
diskLocatorId	Read-only GUID that uniquely identifies this Disk Locator. Length=36
diskLocatorName	Name of the Disk Locator File. It is unique within the Store. ASCII Max Length=52
siteId	GUID of the Site this DiskLocator is to be a member of. It is not used with siteName. Length=36

siteName	Name of the Site this DiskLocator is to be a member of. It is not used with siteId.
storeId	GUID of the Store that this Disk Locator is a member of. siteName or siteId must also be used. It is not used with storeName. Length=36
storeName	Name of the Store that this Disk Locator is a member of. siteName or siteId must also be used. It is not used with storeId.
description	User description. Default="" Max Length=250
menuText	Text that is displayed in the Boot Menu. If this field has no value, the name value is used. Default="" ASCII Max Length=64
serverId	GUID of the single Server that this Disk Locator is assigned to. It is not used with serverName. Default=null Length=36
serverName	Name of the single Server that this Disk Locator is assigned to. It is not used with serverId. Default=null
enabled	1 when this disk can be booted, 0 otherwise. Default=1
role	Read-only Role of the user for this item. 100 is Farm Administrator, 200 is Site Administrator, 300 is Collection Administrator, and 999 is read-only. Default=999
mapped	1 if the Disk is currently mapped, 0 otherwise. Default=0
enabledForDevice	1 when this disk is enabled for the Device specified, 0 otherwise. This is only returned when a Device is specified. Default=1
active	1 if the DiskLocator is currently active, 0 otherwise. Default=0
rebalanceEnabled	1 when this Server can automatically rebalance Devices, 0 otherwise. Default=0
rebalanceTriggerPercent	Percent over fair load that triggers a dynamic Device rebalance. Min=5, Max=5000, Default=25
subnetAffinity	Qualifier for subnet affinity when assigning a Server. 0=None, 1=Best Effort, 2=Fixed. Min=0, Max=2, Default=0
diskUpdateDeviceId	GUID of the DiskUpdateDevice that is used when updates are performed. Default=null
diskUpdateDeviceName	Name of the DiskUpdateDevice that is used when updates are performed. Default=null
temporaryVersionSet	Read-only 1 when temporary version(s) are set. Default=0

class	Class of the Disk. Max Length=40
imageType	Type of this image (software type). Max Length=40
diskSize	Read-only size of the image. The value is 0 when it is not available. Default=0
vhdBlockSize	Block size in KB. For VHD it is only used with Dynamic type. Tested sizes for VHD are 512, 2048, and 16384. VHD Min=512, Max=16384, Default=2048. For VHDX it is used for all types. Tested size for VHDX is 32768. VHDX Min=1024, Max= 262144, Default=32768. Default=0
logicalSectorSize	Logical Sector Size. Values are: 512, 4096, Default=512
writeCacheSize	RAM cache size (MB). Not 0 when used with Cache in Device RAM, and Cache in Device RAM with Overflow on Hard Disk. A value of 0 will disable the RAM use for Cache in Device RAM with Overflow on Hard Disk. Min=0, Max=131072, Default=0
autoUpdateEnabled	Automatically update this image for matching Devices when set to 1. Default 0
activationDateEnabled	Use activation date to activate image when set to 1. Default 0
adPasswordEnabled	Enable AD password management when set to 1.
haEnabled	Enable HA when set to 1.
printerManagementEnabled	Invalid printers will be deleted from the Device when set to 1.
writeCacheType	0 (Private), (other values are standard image) 1 (Cache on Server), 3 (Cache in Device RAM), 4 (Cache on Device Hard Disk), 7 (Cache on Server, Persistent), or 9 (Cache in Device RAM with Overflow on Hard Disk). Min=0, Max=9, Default=0
licenseMode	0 (None), 1 (Multiple Activation Key), or 2 (Key Management Service). Min=0, Max=2, Default=0
activeDate	Date to activate the disk if autoUpdateEnabled and activationDateEnabled are 1. Format is yyyy/mm/dd. Empty when the autoUpdateEnabled or activationDateEnabled are 0.
longDescription	Description of the Disk. Max Length=399
operatingSystem	Operating System of Disk. Max Length=250
osType	Operating System Type of Disk. Max Length=40
serialNumber	User defined serial number. Max Length=36
date	User defined date. Max Length=40

author	User defined author. Max Length=40
title	User defined title. Max Length=40
company	User defined company. Max Length=40
internalName	User defined name. Max Length=63
originalFile	User defined original file. Max Length=127
hardwareTarget	User defined hardware target. Max Length=127
majorRelease	User defined major release number. Min=0, Max=4294967295, Default=0
minorRelease	User defined minor release number. Min=0, Max=4294967295, Default=0
build	User defined build number. Min=0, Max=4294967295, Default=0
clearCacheDisabled	Clear cached secrets disabled.
format	Format of the image. Values are: 0 (VHD), 1 (VHDX). Default=0
deviceCount	Read-only count of Devices. Default=0
locked	1 if the Disk is currently locked, 0 otherwise. Default=0
records	If successful, records retrieved.

## Mcli-Get DiskInventory

Get the fields for Inventory Status of a Disk Version or all Disk Versions for a Disk Locator.

-p	Parameters needed for the Get.
This required	
diskLocatorId	GUID of the Disk Locator to Get Disk Version Inventory of.
or this required & resolution	
diskLocatorName	Name of the Disk Locator to Get Disk Version Inventory of.
Optional	
version	Specific Version to Get.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-f	List of fields to retrieve, if not included, all fields are retrieved.
version	Version number. The base disk is version 0, the other version numbers are in part of the file name.
serverId	GUID of the Server that the Disk Version Inventory is being reported about.
serverName	Name of the Server that the Disk Version Inventory is being reported about.
filePath	Path used to access the disk version from the Server. Empty if the information is not available.
fileTime	Date/Time of the date version file. Format is: YYYY-MM-DD HH:MM:SS. 0000-00-00 00:00:00 if the information is not available.
propertiesTime	Date/Time of the disk properties. Format is: YYYY-MM-DD HH:MM:SS. 0000-00-00 00:00:00 if the information is not available.
state	The number code of the inventory state. Values are: 0 (Up to date), 1 (version file is missing), 2 (version file is out of date), 3 (properties are missing), 4 (properties are out of date), 5 (server is not reachable).
active	1 if the Server is currently active, 2 if unknown, and 0 otherwise.
records	If successful, records retrieved.

## Mcli-Get DiskLocator

Get the fields for a Disk Locator or all Disk Locators for a Device, Server, Store, Site, or Farm. All DiskLocators are returned if no parameters are passed.

-p	Parameters needed for the Get.
One of these optional	
diskLocatorId	GUID of the Disk Locator to Get.
deviceId	GUID of the Device to Get all DiskLocators for.
deviceName	Name of the Device to Get all DiskLocators for.
deviceMac	MAC of the Device to Get all DiskLocators for.
serverId	GUID of the Server to Get all DiskLocators for.
serverName	Name of the Server to Get all DiskLocators for.

updateTaskId	GUID of the Update Task to Get all DiskLocators for.
siteId	GUID of the Site to Get all DiskLocators for.
siteName	Name of the Site to Get all DiskLocators for.
or one of these optional & resolutions	
diskLocatorName	Name of the Disk Locator File to Get.
storeId	GUID of the Store to Get all DiskLocators for.
storeName	Name of the Store to Get all DiskLocators for.
updateTaskName	Name of the Update Task to Get all DiskLocators for.
One of these optional	
single	Include single server connection when set to 1. If this and All are not included, both connection types are included.
all	Include all server connections for the store when set to 1. If this and Single are not included, both connection types are included.
Optional	
onlyActive	Include only the active DiskLocators when set to 1. If not included or set to 0, all DiskLocators are returned.
updateDevice	Include DiskLocators that have an Update Device when set to 1. Include DiskLocators that do not have an Update Device when set to 0. If this parameter is not included, then all DiskLocators are returned.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
diskLocatorName	Name of the Disk Locator File. It is unique within the Store. ASCII Max Length=52
description	User description. Default="" Max Length=250

menuText	Text that is displayed in the Boot Menu. If this field has no value, the name value is used. Default="" ASCII Max Length=64
-f	List of fields to retrieve, if not included, all fields are retrieved.
diskLocatorId	Read-only GUID that uniquely identifies this Disk Locator. Length=36
diskLocatorName	Name of the Disk Locator File. It is unique within the Store. ASCII Max Length=52
siteId	GUID of the Site this DiskLocator is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this DiskLocator is to be a member of. It is not used with siteId.
storeId	GUID of the Store that this Disk Locator is a member of. siteName or siteId must also be used. It is not used with storeName. Length=36
storeName	Name of the Store that this Disk Locator is a member of. siteName or siteId must also be used. It is not used with storeId.
description	User description. Default="" Max Length=250
menuText	Text that is displayed in the Boot Menu. If this field has no value, the name value is used. Default="" ASCII Max Length=64
serverId	GUID of the single Server that this Disk Locator is assigned to. It is not used with serverName. Default=null Length=36
serverName	Name of the single Server that this Disk Locator is assigned to. It is not used with serverId. Default=null
enabled	1 when this disk can be booted, 0 otherwise. Default=1
role	Read-only Role of the user for this item. 100 is Farm Administrator, 200 is Site Administrator, 300 is Collection Administrator, and 999 is read-only. Default=999
mapped	1 if the Disk is currently mapped, 0 otherwise. Default=0
enabledForDevice	1 when this disk is enabled for the Device specified, 0 otherwise. This is only returned when a Device is specified. Default=1
active	1 if the DiskLocator is currently active, 0 otherwise. Default=0
rebalanceEnabled	1 when this Server can automatically rebalance Devices, 0 otherwise. Default=0

rebalanceTriggerPercent	Percent over fair load that triggers a dynamic Device rebalance. Min=5, Max=5000, Default=25
subnetAffinity	Qualifier for subnet affinity when assigning a Server. 0=None, 1=Best Effort, 2=Fixed. Min=0, Max=2, Default=0
diskUpdateDeviceId	GUID of the DiskUpdateDevice that is used when updates are performed. Default=null
diskUpdateDeviceName	Name of the DiskUpdateDevice that is used when updates are performed. Default=null
temporaryVersionSet	Read-only 1 when temporary version(s) are set. Default=0
records	If successful, records retrieved.

## Mcli-Get DiskLocatorCustomProperty

Get the DiskLocator Custom Property names and values.

-p	Parameters needed for the Get.
This required	
diskLocatorId	GUID of the Disk Locator to Get Custom Properties.
or this required & resolution	
diskLocatorName	Name of the Disk Locator File to Get Custom Properties.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
name	Name of the DiskLocator custom property. Max Length=250
-f	List of fields to retrieve, if not included, all fields are retrieved.
name	Name of the DiskLocator custom property. Max Length=250
value	Value of the DiskLocator custom property. Max Length=1000
records	If successful, records retrieved.

## Mcli-Get DiskLocatorLock

Get the fields for all the locks of a Disk Locator.

```
-p Parameters needed for the Get.
This required
  diskLocatorId GUID of the Disk Locator to Get the Locks.
or this required & resolution
  diskLocatorName Name of Disk Locator to Get the Locks.
One of these resolutions when needed
  siteId GUID of the Site.
  siteName Name of the Site.
One of these resolutions when needed
  storeId GUID of the Store that is needed when a
          diskLocatorName is used.
  storeName Name of the Store that is needed when a
          diskLocatorName is used.
-f List of fields to retrieve, if not included,
    all fields are retrieved.
  exclusive 1 when the lock is exclusive, 0 when it is
            shared. Default=0
  deviceId GUID of the Device that has the lock, will
            not be included if a Server has the lock.
  deviceName Name of the Device that has the lock, will
            not be included if a Server has the lock.
  serverId GUID of the Server that has the lock, will
            not be included if a Device has the lock.
  serverName Name of the Server that has the lock, will
            not be included if a Device has the lock.
  readOnly 1 when lock is because file system is read
            only, 0 when file system is read write
            Default=0
records If successful, records retrieved.
```

## Mcli-Get DiskPrinters

Get all available Printers for a Disk.

```
-p Parameters needed for the Get.
This required
  diskLocatorId GUID of the Disk Locator.
or this required & resolution
  diskLocatorName Name of the Disk Locator.
One of these resolutions when needed
  siteId GUID of the Site.
```

siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
name	Read-only Name of the Printer.
network	1 when the printer is networked, 0 otherwise.
-f	List of fields to retrieve, if not included, all fields are retrieved.
name	Read-only Name of the Printer.
network	1 when the printer is networked, 0 otherwise.
records	If successful, records retrieved.

## Mcli-Get DiskUpdateDevice

Get the fields and status for a Disk Update Device, or all Disk Update Devices for a Site, Server, DiskLocator or Farm. All Disk Update Devices are returned if no parameters are passed.

-p	Parameters needed for the Get.
One of these optional	
deviceId	GUID of the Disk Update Device to Get.
deviceName	Name of Disk Update Device to Get.
deviceMac	MAC of the Disk Update Device to Get.
serverId	GUID of the Server to Get all Disk Update Devices for.
serverName	Name of the Server to Get all Disk Update Devices for.
diskLocatorId	GUID of the DiskLocator to Get the Disk Update Device for.
updateTaskId	GUID of the Update Task to Get all Disk Update Devices for.
siteId	GUID of the Site.
siteName	Name of the Site.
or one of these optional & resolutions	
diskLocatorName	Name of the DiskLocator to Get the Disk Update Device for.
updateTaskName	Name of the Update Task to Get all Disk Update Devices for.

Optional

onlyActive Include only the active Disk Update Devices when set to 1. If not included or set to 0, all Disk Update Devices are returned. Only active Disk Update Devices are always returned for serverId or serverName.

makLicenseActivated Optional MAK licensing indicator value to only return active Disk Update Devices for. Values are: 0 (MAK not used), 1 (Not Activated), 2 (Activated).

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

-s Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

deviceName Computer name with no spaces. ASCII computer name characters Max Length=15

virtualHostingPoolName Name of the Virtual Hosting Pool.

diskLocatorName Name of the Disk Locator File to update with this Device.

description User description. Default="" Max Length=250

deviceMac Ethernet address as a string in the form XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17

port UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901

-f List of fields to retrieve, if not included, all fields are retrieved.

deviceId Read-only GUID that uniquely identifies this Device. Length=36

deviceName Computer name with no spaces. ASCII computer name characters Max Length=15

virtualHostingPoolId GUID of the Virtual Hosting Pool. It is not used with virtualHostingPoolName. Default=null Length=36

virtualHostingPoolName Name of the Virtual Hosting Pool.

diskLocatorId GUID of the Disk Locator to update with this Device.

diskLocatorName	Name of the Disk Locator File to update with this Device.
siteId	GUID of the Site this Disk Update Device is to be a member of.
siteName	Name of the Site this Disk Update Device is to be a member of.
storeId	GUID of the Store that the Disk Locator is a member of.
storeName	Name of the Store that the Disk Locator is a member of.
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX-XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
active	1 if the Device is currently active, 0 otherwise. Default=0
adTimestamp	The time the Active Directory machine account password was generated. Do not set this field, it is only set internally by PVS. Default=0
adSignature	The signature of the Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default=0
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Do not set this field, it is only set internally by PVS. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Do not set this field, it is only set internally by PVS. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null

adPassword	The Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default="" Max Length=256
ip	Read-only IP of the Device. It is equal to "" if the Device is not active.
serverPortConnection	Read-only Port of the Server that the Device is using. It is equal to "" if the Device is not active. Default=0
serverIpConnection	Read-only IP of the Server that the Device is using. It is equal to "" if the Device is not active.
serverId	Read-only GUID of the Server that the Device is using. It is equal to "" if the Device is not active. Length=36
serverName	Read-only Name of the Server that the Device is using. It is equal to "" if the Device is not active.
diskVersion	Read-only version of the Disk Locator File that the Device is using. It is equal to "" if the Device is not active. Default=0
status	1 or 2 numbers in the format n,n. They are the number of retries and if ram cache is being used, ram cache percent used. It is equal to "" if the Device is not active.
licenseType	0 when None, 1 for Desktop, 2 for Server, 5 for OEM SmartClient, 6 for XenApp, 7 for XenDesktop. It is equal to 0 if the Device is not active. Default=0
makLicenseActivated	Read-only indicator if MAK licensing is being used and is activated. Values are: 0 (MAK not used), 1 (Not Activated), 2 (Activated). It is equal to "" if the Device is not active. Default=0
model	Oem Only: Read-only model of the computer. Values are OptiPlex 745, 755, 320, 760, FX160, or Default. It is equal to "" if the Device is not active.
license	Oem Only: Read-only type of the license. Values are 0 when None, 1 or 2 when Desktop. It is equal to 0 if the Device is not active. Default=0
records	If successful, records retrieved.

## Mcli-Get DiskUpdateStatus

Get the status of an Update Task, or all Update Tasks for a Site or Farm. All Disk Update Tasks are returned if no parameters are passed.

-p Parameters needed for the Get.

One of these optional

updateTaskId	GUID of the Update Task to Get.
deviceId	GUID of the Disk Update Device to Get Disk Update Status for.
deviceName	Name of the Disk Update Device to Get Disk Update Status for.
deviceMac	MAC of the Disk Update Device to Get Disk Update Status for.
diskUpdateTaskId	GUID of the Disk Update Task and Device relationship to Get Disk Update Status for.
siteId	GUID of the Site to Get all Update Tasks for. Also used with updateTaskName.
siteName	Name of the Site to Get all Update Tasks for. Also used with updateTaskName.

or this optional & resolution

updateTaskName	Name of the Update Task to Get.
----------------	---------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

-s Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

updateTaskName	Name of the Update Task.
description	User description of the Update Task.
diskLocatorName	Name of the Disk Locator File to update.
virtualHostingPoolName	Name of the Virtual Hosting Pool being used for the update.
deviceName	Name of the Device being used to do the update.

-f List of fields to retrieve, if not included, all fields are retrieved.

diskUpdateTaskId	GUID that uniquely identifies this Update Task and Device relationship. Length=36
updateTaskId	GUID that uniquely identifies the Update Task. Length=36
updateTaskName	Name of the Update Task.
description	User description of the Update Task.
diskLocatorId	GUID of the Disk Locator to update.
diskLocatorName	Name of the Disk Locator File to update.
virtualHostingPoolId	GUID of the Virtual Hosting Pool being used for the update.

virtualHostingPoolName	Name of the Virtual Hosting Pool being used for the update.
deviceId	GUID that Device being used to do the update.
deviceName	Name of the Device being used to do the update.
siteId	GUID of the Site that this Update Task Name is a member of.
siteName	Name of the Site that this Update Task Name is a member of.
storeId	GUID of the Store that the Disk Locator is a member of.
storeName	Name of the Store that the Disk Locator is a member of.
previousResult	Status of the last run. Values are: 0 (Ready), 1 (Update Pending), 2 (Preparing Image), 3 (Starting VM), 4 (Update In Progress), 5 (Stopping VM), 6 (Submitting Image), 7 (Reverting Image), 8 (Invalid), 9 (Aborted), 10 (Completed Successfully), 11 (No Updates) Min=0, Max=11, Default=0
previousResultMessage	Message string that includes the results of the last run. Default="" Max Length=255
currentStatus	Current status of the update. Values are: 0 (Ready), 1 (Update Pending), 2 (Preparing Image), 3 (Starting VM), 4 (Update In Progress), 5 (Stopping VM), 6 (Submitting Image), 7 (Reverting Image), 8 (Invalid), 9 (Aborted), 10 (Completed Successfully), 11 (No Updates) Min=0, Max=11, Default=0
currentStatusMessage	Message string that includes the results of the run. Default="" Max Length=255
records	If successful, records retrieved.

## Mcli-Get DiskVersion

Get the fields for a Disk Version or all Disk Versions for a Disk Locator.

-p Parameters needed for the Get.

This required

diskLocatorId GUID of the Disk Locator to Get Disk Versions of.

or this required & resolution

diskLocatorName Name of the Disk Locator to Get Disk Versions of.

One of these optional

version Specific Version to Get.

type When set to 1, get the Maintenance or MaintenanceHighestVersion access version if it exists. When set to 2, get the Test access versions if any exist. When set to 3, get the Override access version if it exists.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

-s Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

version Read-only version number. The base disk is version 0, the other version numbers are in part of the file name. Default=0

-f List of fields to retrieve, if not included, all fields are retrieved.

version Read-only version number. The base disk is version 0, the other version numbers are in part of the file name. Default=0

description User description. Default="" Max Length=250

type Read-only type of the Disk Version. Values are: 0 (Base), 1 (Manual), 2 (Automatic), 3 (Merge), and 4 (MergeBase) Min=0, Max=4, Default=0

createDate Read-only Date/Time that the Disk Version was created. Default=getdate

scheduledDate Date/Time that the Disk Version is scheduled to become available. Format is: YYYY-MM-DD HH:MM. When empty, the disk version is made available immediately. Default=null

deleteWhenFree Read-only 1 if the Disk Version is no longer needed because of a merge. If not current booted by a Device, it can be deleted. Default=0

access Read-only access of the Disk Version. Values are: 0 (Production), 1 (Maintenance), 2 (MaintenanceHighestVersion), 3 (Override), 4 (Merge), 5 (MergeMaintenance), 6 (MergeTest), and 7 (Test) Min=0, Max=7, Default=0

diskFileName Name of the Disk File including the extension. Default=null

deviceCount	Read-only count of Devices. Default=0
goodInventoryStatus	1 when the up to date file is accessible by all Servers, 0 otherwise. Default=0
taskId	When a Merge is occurring, this will be set with the task number of the process that is occurring. Default=null
canDelete	Read-only 1 when the version can be deleted. Default=0
canMerge	Read-only 1 when the version can be update merged. Will be set for the highest version number. Default=0
canMergeBase	Read-only 1 when the version can be base merged. Will be set for the highest version number. Default=0
canPromote	Read-only 1 when the version can be promoted. Default=0
canRevertTest	Read-only 1 when the version can be reverted to Test Access. Default=0
canRevertMaintenance	Read-only 1 when the version can be reverted to Maintenance Access. Default=0
canSetScheduledDate	Read-only 1 when the version can have the scheduled date modified. Default=0
canOverride	Read-only 1 when the version can be set as the Override. Default=0
isPending	Read-only 1 when the version scheduledDate has not occurred. Default=0
temporaryVersionSet	Read-only 1 when temporary version(s) are set. Some changes cannot be made to the version when this is set. Default=0
records	If successful, records retrieved.

## Mcli-Get ExceptionDescriptions

Return all of the exceptions with description.

-p	Parameters needed for the Get.
Optional	
Culture	Optional culture to use for the exception descriptions returned.
records	If successful, records retrieved.

## Mcli-Get Farm

Get the fields for the Farm.

-p	Parameters needed for the Get.
Optional	

farmId	GUID of the Farm to Get. This is optional since there is only one Farm.
-f	List of fields to retrieve, if not included, all fields are retrieved.
farmId	Read-only GUID that uniquely identifies this Farm. Length=36
farmName	Name of the Farm. Default="" Max Length=50
description	User description. Default="" Max Length=250
autoAddEnabled	1 when Auto Add is enabled, 0 otherwise. Default=0
auditingEnabled	1 when Auditing is enabled, 0 otherwise. Default=0
lastAuditArchiveDate	Last date of Audit Trail data that was Archived. Format is yyyy/mm/dd Default=null
defaultSiteId	GUID of the Site to place new Devices into automatically. Not used with defaultSiteName. Default=null Length=36
defaultSiteName	Name of the Site to place new Devices into automatically. Not used with defaultSiteId. Default=null
offlineDatabaseSupportEnabled	1 when Offline Database Support is enabled, 0 otherwise. Default=0
adGroupsEnabled	Active Directory groups are used for authorization, when set to 1. Windows groups are used when set to 0. Default=0
licenseServer	License server name. Default="" Max Length=255
licenseServerPort	License server port. Min=1025, Max=65534, Default=27000
licenseTradeUp	License server trade up, when set to 1. Default=0
automaticMergeEnabled	1 when Automatic Merge is enabled, 0 otherwise. If the number of versions becomes more than the maxVersions value, a merge will occur at the end of PromoteDiskVersion. Default=1
maxVersions	Maximum number a versions of a Disk that can exist before a merge will automatically occur. Min=3, Max=50, Default=5
mergeMode	Mode to place the version in after a merge has occurred. Values are: 0 (Production), 1 (Test) and 2 (Maintenance). Min=0, Max=2, Default=2
databaseServerName	Read-only name of the database server.
databaseInstanceName	Read-only name of the database instance.
databaseName	Read-only name of the database.

failoverPartnerServerName	Read-only name of the database server.
failoverPartnerInstanceName	Read-only name of the database server instance.
multiSubnetFailover	Read-only Database MultiSubnetFailover value
role	Read-only Role of the user for this item. 100 is Farm Administrator, and 999 is read-only. Default=999
records	If successful, records retrieved.

## Mcli-Get FarmView

Get the fields for a Farm View or all Farm Views in the Farm. All Farm Views are returned if no parameters are passed.

-p	Parameters needed for the Get.
One of these optional	
farmViewId	GUID of the Farm View to Get.
farmViewName	Name of the Farm View to Get.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
farmViewName	name of the Farm View. Max Length=50
description	User description. Default="" Max Length=250
deviceCount	Read-only count of Devices in this Farm View. Default=0
activeDeviceCount	Read-only count of active Devices in this Farm View. Default=0
-f	List of fields to retrieve, if not included, all fields are retrieved.
farmViewId	Read-only GUID that uniquely identifies this Farm View. Length=36
farmViewName	name of the Farm View. Max Length=50
description	User description. Default="" Max Length=250
deviceCount	Read-only count of Devices in this Farm View. Default=0
activeDeviceCount	Read-only count of active Devices in this Farm View. Default=0
makActivateNeededCount	Read-only count of active Devices that need MAK activation in this Farm View. Default=0
records	If successful, records retrieved.

## Mcli-Get Groups

Get all of the available groups.

-p	Parameters needed for the Get.
This optional	

name	Name of the Group(s) to retrieve. Wildcards are allowed when searching for Active Directory groups. For example, "user*" will return YOUR_DOMAIN/BUILTIN/Users, and "*" will return all the Active Directory groups available.
-f	List of fields to retrieve, if not included, all fields are retrieved.
name	Name of the Group.
records	If successful, records retrieved.

## Mcli-Get NewVersionDisks

Get new Disk versions for the Store on the Server specified.

-p	Parameters needed for the Get.
One of these required	
serverId	GUID of the Server to look for new Disk versions.
serverName	Name of the Server to look for new Disk versions.
One of these required	
storeId	GUID of the Store that the Server services to look for new Disk versions.
storeName	Name of the Store that the Server services to look for new Disk versions.
Optional	
autoAddEnabled	1 when undefined Disk versions found should be automatically added, 0 otherwise. Default=0
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
name	Name of the disk file without the extension.
-f	List of fields to retrieve, if not included, all fields are retrieved.
name	Name of the disk file without the extension.
status	Status of the disk file. Values are: 0 (Valid), 1 (Missing Properties File), 2 (Access Denied), 3 (Access Denied and Missing Properties File), 4 (Invalid Disk File), 5 (Manifest Invalid)
records	If successful, records retrieved.

## Mcli-Get Server

Get the fields for a Server, all Servers in a Site that use a Store, service a DiskLocator, or for the whole Farm. All Servers are returned if no parameters are passed.

-p Parameters needed for the Get.

One of these optional

serverId	GUID of the Server to Get.
serverName	Name of the Server to Get.
siteId	GUID of the Site to Get all Servers.
siteName	Name of the Site to Get all Servers.
diskLocatorId	GUID of the Disk Locator to Get all Servers.

or this optional & resolution

diskLocatorName	Name of the Disk Locator File to Get all Servers.
-----------------	---------------------------------------------------

One of these optional & resolutions

storeId	GUID of the Store to Get all Servers.
storeName	Name of the Store to Get all Servers.

Optional

all	Set to 1 with storeId or storeName to Get all Servers for the Store including ones with invalid paths.
-----	--------------------------------------------------------------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-s Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

serverName	Computer name with no spaces. ASCII computer name characters Max Length=21
description	User description. Default="" Max Length=250
adMaxPasswordAge	Number of days before a password expires. Min=1, Max=30, Default=7
licenseTimeout	Amount of seconds before a license times out. Min=15, Max=300, Default=30
vDiskCreatePacing	VDisk create time pacing in miliseconds. Min=0, Max=5, Default=0

firstPort	Number of the first UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6910
lastPort	Number of the last UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6930
threadsPerPort	Number of worker threads per IO port. Required that (threadPerPort * numberPorts * numberIPs) <= 1000. Min=1, Max=60, Default=8
buffersPerThread	Number of buffers per worker thread. Min=1, Max=128, Default=24
serverCacheTimeout	Number of seconds to wait before considering another Server is down. Min=5, Max=60, Default=8
ioBurstSize	Number of bytes read/writes can send in a burst of packets. Required that ioBurstSize/(maxTransmissionUnits-76)<=32. Min=4096, Max=61440, Default=32768
maxTransmissionUnits	Ethernet maximum transmission unit size for the protocol for use for Server and Device. Required that ioBurstSize/(maxTransmissionUnits-76)<=32. Min=502, Max=16426, Default=1506
maxBootDevicesAllowed	Maximum number of Devices allowed to boot simultaneously. Min=1, Max=1000, Default=500
maxBootSeconds	Maximum number of seconds for a Device to boot. Min=10, Max=900, Default=60
bootPauseSeconds	Number of seconds that a Device will pause during login if its server busy. Min=1, Max=60, Default=10
adMaxPasswordAgeEnabled	Age the password, when set to 1. Default=0
-f	List of fields to retrieve, if not included, all fields are retrieved.
serverId	Read-only GUID that uniquely identifies this Server. Length=36
serverName	Computer name with no spaces. ASCII computer name characters Max Length=21
siteId	GUID of the Site this Server is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this Server is to be a member of. It is not used with siteId.
description	User description. Default="" Max Length=250
adMaxPasswordAge	Number of days before a password expires. Min=1, Max=30, Default=7

licenseTimeout	Amount of seconds before a license times out. Min=15, Max=300, Default=30
vDiskCreatePacing	VDisk create time pacing in miliseconds. Min=0, Max=5, Default=0
firstPort	Number of the first UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6910
lastPort	Number of the last UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6930
threadsPerPort	Number of worker threads per IO port. Required that (threadPerPort * numberPorts * numberIPs) <= 1000. Min=1, Max=60, Default=8
buffersPerThread	Number of buffers per worker thread. Min=1, Max=128, Default=24
serverCacheTimeout	Number of seconds to wait before considering another Server is down. Min=5, Max=60, Default=8
ioBurstSize	Number of bytes read/writes can send in a burst of packets. Required that $ioBurstSize / (maxTransmissionUnits - 76) \leq 32$ . Min=4096, Max=61440, Default=32768
maxTransmissionUnits	Ethernet maximum transmission unit size for the protocol for use for Server and Device. Required that $ioBurstSize / (maxTransmissionUnits - 76) \leq 32$ . Min=502, Max=16426, Default=1506
maxBootDevicesAllowed	Maximum number of Devices allowed to boot simultaneously. Min=1, Max=1000, Default=500
maxBootSeconds	Maximum number of seconds for a Device to boot. Min=10, Max=900, Default=60
bootPauseSeconds	Number of seconds that a Device will pause during login if its server busy. Min=1, Max=60, Default=10
adMaxPasswordAgeEnabled	Age the password, when set to 1. Default=0
eventLoggingEnabled	Enable event logging, when set to 1. Default=0
nonBlockingIoEnabled	Use non-Blocking IO, when set to 1. Default=1
role	Read-only Role of the user for this item. 100 is Farm Administrator, and 200 is Site Administrator. Default=999
ip	One or more streaming ip addresses. If more than one ip is included, the ip addresses are comma delimited.

initialQueryConnectionPoolSize Initial size of database connection pool for non-transactional queries. Min=1, Max=1000, Default=50

initialTransactionConnectionPoolSize Initial size of database connection pool for transactional queries. Min=1, Max=1000, Default=50

maxQueryConnectionPoolSize Maximum size of database connection pool for non-transactional queries. Min=1, Max=32767, Default=1000

maxTransactionConnectionPoolSize Maximum size of database connection pool for transactional queries. Min=1, Max=32767, Default=1000

refreshInterval Interval, in number of seconds, the server should wait before refreshing settings. If set to 0, unused database connections are never released. Min=0, Max=32767, Default=300

unusedDbConnectionTimeout Interval, in number of seconds, a connection should go unused before it is to be released. Min=0, Max=32767, Default=300

busyDbConnectionRetryCount Number of times a failed database connection will be retried. Min=0, Max=32767, Default=2

busyDbConnectionRetryInterval Interval, in number of milliseconds, the server should wait before retrying to connect to a database. Min=0, Max=10000, Default=25

localConcurrentIoLimit Maximum concurrent IO transactions it performs for vDisks that are local. A value of 0 disables the feature. Min=0, Max=128, Default=4

remoteConcurrentIoLimit Maximum concurrent IO transactions it performs for vDisks that are remote. A value of 0 disables the feature. Min=0, Max=128, Default=4

active 1 if the Server is currently active, 2 if unknown, and 0 otherwise. Min=0, Max=2, Default=0

logLevel Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=4

logFileSizeMax Maximum size log files can reach in Megabytes. Min=1, Max=50, Default=5

logFileBackupCopiesMax Maximum number of log file backups. Min=1, Max=50, Default=4

powerRating A strictly relative rating of this Server's capabilities when compared to other Servers in the Store(s) it belongs too; can be used

	to help tune load balancing. Min=0.1, Max=1000, Default=1
serverFqdn	Read-only fully qualified domain name. Default=null Max Length=1024
managementIp	IP address used for management communications between Servers. Default=0.0.0.0
lastCeipUploadAttempt	Time that this server last attempted a CEIP upload. Default=null
lastBugReportAttempt	Time that this server last attempted to upload or generate a bug report bundle. Default=null
lastBugReportStatus	Status of the last bug report on this server. Default=null Max Length=250
lastBugReportResult	Status of the last bug report on this server. Default=null Max Length=4000
lastBugReportSummary	Summary of the last bug report on this server. Default=null Max Length=250
records	If successful, records retrieved.

## Mcli-Get ServerBiosBootstrap

Oem Only: Get the bootstrap fields for the Server dell\_bios.bin BIOS bootstrap file.

-p	Parameters needed for the Get.
One of these required	
serverId	GUID of the Server to Get the dell_bios.bin BIOS bootstrap file from.
serverName	Name of the Server to Get the dell_bios.bin BIOS bootstrap file from.
-f	List of fields to retrieve, if not included, all fields are retrieved.
enabled	Automatically update the BIOS on the target device with these setting when set to 1, otherwise do not use these settings. Default=0
dhcpEnabled	Use DHCP to retrieve target device IP when set to 1, otherwise use the static domain, dnsIpAddress1 and dnsIpAddress2 settings. Default=1
lookup	Use DNS to find the Server when set to 1 with the serverName host value, otherwise use the bootserver1_Ip, bootserver1_Port, bootserver2_Ip, bootserver2_Port, bootserver3_Ip, bootserver3_Port, bootserver4_Ip, and bootserver4_Port settings. Default=1

verboseMode	Display verbose diagnostic information when set to 1. Default=0
interruptSafeMode	Interrupt safe mode (use if target device hangs during boot) when set to 1. Default=0
paeMode	PAE mode (use if PAE enabled in boot.ini of target device) when set to 1. Default=0
bootFromHdOnFail	For network recovery reboot to hard drive when set to 1, restore network connection when set to 0. Default=0
recoveryTime	When bootFromHdOnFail is 1, this is the number of seconds to wait before reboot to hard drive. Min=10, Max=60000, Default=50
pollingTimeout	Login polling timeout in milliseconds. Min=1000, Max=60000, Default=5000
generalTimeout	Login general timeout in milliseconds. Min=1000, Max=60000, Default=5000
serverName	Host to use for DNS lookup. Only used when lookup is 1. Default=IMAGESERVER1
bootserver1_Ip	1st boot server IP. Only used when lookup is 0.
bootserver1_Port	1st boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910
bootserver2_Ip	2nd boot server IP. Only used when lookup is 0. Default=0.0.0.0
bootserver2_Port	2nd boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910
bootserver3_Ip	3rd boot server IP. Only used when lookup is 0. Default=0.0.0.0
bootserver3_Port	3rd boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910
bootserver4_Ip	4th boot server IP. Only used when lookup is 0. Default=0.0.0.0
bootserver4_Port	4th boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910
domain	Domain of the primary and secondary DNS servers. Only used when dhcpEnabled is 0.
dnsIpAddress1	Primary DNS server IP. Only used when dhcpEnabled is 0.
dnsIpAddress2	Secondary DNS server IP. Only used when dhcpEnabled is 0.
records	If successful, records retrieved.

## Mcli-Get ServerBootstrap

Get the bootstrap fields for the Server and named bootstrap file specified.

-p Parameters needed for the Get.

One of these required

serverId	GUID of the Server to Get the named bootstrap file from.
serverName	Name of the Server to Get the named bootstrap file from.

This required

name	Name of the bootstrap file.
-f	List of fields to retrieve, if not included, all fields are retrieved.
bootserver1_Ip	1st boot server IP.
bootserver1_Netmask	1st boot server netmask. Default=0.0.0.0
bootserver1_Gateway	1st boot server gateway. Default=0.0.0.0
bootserver1_Port	1st boot server port. Min=1025, Max=65536, Default=6910
bootserver2_Ip	2nd boot server IP. Default=0.0.0.0
bootserver2_Netmask	2nd boot server netmask. Default=0.0.0.0
bootserver2_Gateway	2nd boot server gateway. Default=0.0.0.0
bootserver2_Port	2nd boot server port. Min=1025, Max=65536, Default=6910
bootserver3_Ip	3rd boot server IP. Default=0.0.0.0
bootserver3_Netmask	3rd boot server netmask. Default=0.0.0.0
bootserver3_Gateway	3rd boot server gateway. Default=0.0.0.0
bootserver3_Port	3rd boot server port. Min=1025, Max=65536, Default=6910
bootserver4_Ip	4th boot server IP. Default=0.0.0.0
bootserver4_Netmask	4th boot server netmask. Default=0.0.0.0
bootserver4_Gateway	4th boot server gateway. Default=0.0.0.0
bootserver4_Port	4th boot server port. Min=1025, Max=65536, Default=6910
verboseMode	Display verbose diagnostic information when set to 1. Default=0
interruptSafeMode	Interrupt safe mode (use if target device hangs during boot) when set to 1. Default=0
paeMode	PAE mode (use if PAE enabled in boot.ini of target device) when set to 1. Default=0
bootFromHdOnFail	For network recovery reboot to hard drive when set to 1, restore network connection when set to 0. Default=0
recoveryTime	When bootFromHdOnFail is 1, this is the number of seconds to wait before reboot to hard drive. Min=10, Max=60000, Default=50

pollingTimeout	Login polling timeout in milliseconds. Min=1000, Max=60000, Default=5000
generalTimeout	Login general timeout in milliseconds. Min=1000, Max=60000, Default=5000
records	If successful, records retrieved.

## Mcli-Get ServerBootstrapNames

Get the bootstrap names for a Server.

-p	Parameters needed for the Get.
One of these required	
serverId	GUID of the Server to Get bootstrap names for.
serverName	Name of the Server to Get bootstrap names for.
-f	List of fields to retrieve, if not included, all fields are retrieved.
name	Bootstrap file name.
records	If successful, records retrieved.

## Mcli-Get ServerCustomProperty

Get the Server Custom Property names and values.

-p	Parameters needed for the Get.
One of these required	
serverId	GUID of the Server.
serverName	Name of the Server.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
name	Name of the Server custom property. Max Length=250
-f	List of fields to retrieve, if not included, all fields are retrieved.
name	Name of the Server custom property. Max Length=250
value	Value of the Server custom property. Max Length=1000
records	If successful, records retrieved.

## Mcli-Get ServerInfo

Get the fields and status for a Server, all Servers in a Site that use a Store, service a DiskLocator, or for the whole Farm. All Servers are returned if no parameters are passed.

-p	Parameters needed for the Get.
----	--------------------------------

One of these optional

serverId	GUID of the Server to Get.
serverName	Name of the Server to Get.
siteId	GUID of the Site to Get all Servers.
siteName	Name of the Site to Get all Servers.
diskLocatorId	GUID of the Disk Locator to Get all Servers.

or this optional & resolution

diskLocatorName	Name of the Disk Locator File to Get all Servers.
-----------------	---------------------------------------------------

One of these optional & resolutions

storeId	GUID of the Store to Get all Servers.
storeName	Name of the Store to Get all Servers.

Optional

all	Set to 1 with storeId or storeName to Get all Servers for the Store including ones with invalid paths.
-----	--------------------------------------------------------------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-s Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

serverName	Computer name with no spaces. ASCII computer name characters Max Length=21
description	User description. Default="" Max Length=250
adMaxPasswordAge	Number of days before a password expires. Min=1, Max=30, Default=7
licenseTimeout	Amount of seconds before a license times out. Min=15, Max=300, Default=30
vDiskCreatePacing	VDisk create time pacing in miliseconds. Min=0, Max=5, Default=0
firstPort	Number of the first UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6910
lastPort	Number of the last UDP port for use by the Stream Service, First and Last must allow at

	least 5 ports. Min=1025, Max=65534, Default=6930
threadsPerPort	Number of worker threads per IO port. Required that (threadPerPort * numberPorts * numberIPs) <= 1000. Min=1, Max=60, Default=8
buffersPerThread	Number of buffers per worker thread. Min=1, Max=128, Default=24
serverCacheTimeout	Number of seconds to wait before considering another Server is down. Min=5, Max=60, Default=8
ioBurstSize	Number of bytes read/writes can send in a burst of packets. Required that ioBurstSize/(maxTransmissionUnits-76)<=32. Min=4096, Max=61440, Default=32768
maxTransmissionUnits	Ethernet maximum transmission unit size for the protocol for use for Server and Device. Required that ioBurstSize/(maxTransmissionUnits-76)<=32. Min=502, Max=16426, Default=1506
maxBootDevicesAllowed	Maximum number of Devices allowed to boot simultaneously. Min=1, Max=1000, Default=500
maxBootSeconds	Maximum number of seconds for a Device to boot. Min=10, Max=900, Default=60
bootPauseSeconds	Number of seconds that a Device will pause during login if its server busy. Min=1, Max=60, Default=10
adMaxPasswordAgeEnabled	Age the password, when set to 1. Default=0
-f	List of fields to retrieve, if not included, all fields are retrieved.
serverId	Read-only GUID that uniquely identifies this Server. Length=36
serverName	Computer name with no spaces. ASCII computer name characters Max Length=21
siteId	GUID of the Site this Server is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this Server is to be a member of. It is not used with siteId.
description	User description. Default="" Max Length=250
adMaxPasswordAge	Number of days before a password expires. Min=1, Max=30, Default=7
licenseTimeout	Amount of seconds before a license times out. Min=15, Max=300, Default=30
vDiskCreatePacing	VDisk create time pacing in milliseconds. Min=0, Max=5, Default=0
firstPort	Number of the first UDP port for use by the Stream Service, First and Last must allow at

	least 5 ports. Min=1025, Max=65534, Default=6910
lastPort	Number of the last UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6930
threadsPerPort	Number of worker threads per IO port. Required that (threadPerPort * numberPorts * numberIPs) <= 1000. Min=1, Max=60, Default=8
buffersPerThread	Number of buffers per worker thread. Min=1, Max=128, Default=24
serverCacheTimeout	Number of seconds to wait before considering another Server is down. Min=5, Max=60, Default=8
ioBurstSize	Number of bytes read/writes can send in a burst of packets. Required that ioBurstSize/(maxTransmissionUnits-76)<=32. Min=4096, Max=61440, Default=32768
maxTransmissionUnits	Ethernet maximum transmission unit size for the protocol for use for Server and Device. Required that ioBurstSize/(maxTransmissionUnits-76)<=32. Min=502, Max=16426, Default=1506
maxBootDevicesAllowed	Maximum number of Devices allowed to boot simultaneously. Min=1, Max=1000, Default=500
maxBootSeconds	Maximum number of seconds for a Device to boot. Min=10, Max=900, Default=60
bootPauseSeconds	Number of seconds that a Device will pause during login if its server busy. Min=1, Max=60, Default=10
adMaxPasswordAgeEnabled	Age the password, when set to 1. Default=0
eventLoggingEnabled	Enable event logging, when set to 1. Default=0
nonBlockingIoEnabled	Use non-Blocking IO, when set to 1. Default=1
role	Read-only Role of the user for this item. 100 is Farm Administrator, and 200 is Site Administrator. Default=999
ip	One or more streaming ip addresses. If more than one ip is included, the ip addresses are comma delimited.
initialQueryConnectionPoolSize	Initial size of database connection pool for non-transactional queries. Min=1, Max=1000, Default=50
initialTransactionConnectionPoolSize	Initial size of database connection pool for transactional queries. Min=1, Max=1000, Default=50

maxQueryConnectionPoolSize Maximum size of database connection pool for non-transactional queries. Min=1, Max=32767, Default=1000

maxTransactionConnectionPoolSize Maximum size of database connection pool for transactional queries. Min=1, Max=32767, Default=1000

refreshInterval Interval, in number of seconds, the server should wait before refreshing settings. If set to 0, unused database connections are never released. Min=0, Max=32767, Default=300

unusedDbConnectionTimeout Interval, in number of seconds, a connection should go unused before it is to be released. Min=0, Max=32767, Default=300

busyDbConnectionRetryCount Number of times a failed database connection will be retried. Min=0, Max=32767, Default=2

busyDbConnectionRetryInterval Interval, in number of milliseconds, the server should wait before retrying to connect to a database. Min=0, Max=10000, Default=25

localConcurrentIoLimit Maximum concurrent IO transactions it performs for vDisks that are local. A value of 0 disables the feature. Min=0, Max=128, Default=4

remoteConcurrentIoLimit Maximum concurrent IO transactions it performs for vDisks that are remote. A value of 0 disables the feature. Min=0, Max=128, Default=4

active 1 if the Server is currently active, 2 if unknown, and 0 otherwise. Min=0, Max=2, Default=0

logLevel Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=4

logFileSizeMax Maximum size log files can reach in Megabytes. Min=1, Max=50, Default=5

logFileBackupCopiesMax Maximum number of log file backups. Min=1, Max=50, Default=4

powerRating A strictly relative rating of this Server's capabilities when compared to other Servers in the Store(s) it belongs too; can be used to help tune load balancing. Min=0.1, Max=1000, Default=1

serverFqdn Read-only fully qualified domain name. Default=null Max Length=1024

managementIp	IP address used for management communications between Servers. Default=0.0.0.0
lastCeipUploadAttempt	Time that this server last attempted a CEIP upload. Default=null
lastBugReportAttempt	Time that this server last attempted to upload or generate a bug report bundle. Default=null
lastBugReportStatus	Status of the last bug report on this server. Default=null Max Length=250
lastBugReportResult	Status of the last bug report on this server. Default=null Max Length=4000
lastBugReportSummary	Summary of the last bug report on this server. Default=null Max Length=250
contactIp	Read-only contact IP for the Server.
contactPort	Read-only contact port for the Server.
deviceCount	Read-only count of Devices. Default=0
records	If successful, records retrieved.

## Mcli-Get ServerStatus

Get the Server Status fields for a Server.

-p	Parameters needed for the Get.
One of these required	
serverId	GUID of the Server to Get status for.
serverName	Name of Server to Get status for.
-f	List of fields to retrieve, if not included, all fields are retrieved.
serverId	Read-only GUID of the Server. Can be used with Get Server. Length=36
serverName	Read-only Name of the Server. Can be used with Get Server.
ip	Read-only contact IP for the Server.
port	Read-only contact port for the Server.
deviceCount	Read-only count of Devices. Default=0
status	Status of the server, 0 if down, 1 if up and 2 if unknown. Default=0
records	If successful, records retrieved.

## Mcli-Get ServerStore

Get the directory and cache paths of a Server for one or all Stores.

-p	Parameters needed for the Get.
One of these required	

serverId	GUID of a Server.
serverName	Name of a Server.
One of these optional	
storeId	GUID of the Store.
storeName	Name of the Store.
-f	List of fields to retrieve, if not included, all fields are retrieved.
storeId	GUID of the Store. storeName can be used instead. Length=36
storeName	Name of the Store. storeId can be used instead.
serverId	GUID of the server that uses the Store. serverName can be used instead. Length=36
serverName	Name of the server that uses the Store. serverId can be used instead.
path	Directory path that the Server uses to access the Store. Default="" Max Length=255
cachePath	Cache path(s) that the Server uses with the Store. It is an ordered comma-delimited list. If none are specified the caches will be placed in the Store cachePath. Default=None
records	If successful, records retrieved.

## Mcli-Get Site

Get the fields for a Site or all Sites. All Sites are returned if no parameters are passed.

-p	Parameters needed for the Get.
One of these optional	
siteId	GUID of the Site to Get.
siteName	Name of the Site to Get.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
siteName	Name of the Site. Max Length=50
description	User description. Default="" Max Length=250
-f	List of fields to retrieve, if not included, all fields are retrieved.
siteId	Read-only GUID that uniquely identifies this Site. Length=36
siteName	Name of the Site. Max Length=50
description	User description. Default="" Max Length=250

defaultCollectionId	GUID of the Collection to place new Devices into automatically. Not used with defaultCollectionName. Default=null Length=36
defaultCollectionName	Name of the Collection to place new Devices into automatically. Not used with defaultCollectionId. Default=null
inventoryFilePollingInterval	The number of seconds between polls for Disk changes in the Stores. Min=1, Max=600, Default=60
enableDiskUpdate	1 when Disk Updated is enabled for the Site, 0 otherwise. Default=0
diskUpdateServerId	GUID of the Disk Update Server for the Site. Not used with diskUpdateServerName. Default=null Length=36
diskUpdateServerName	Name of the Disk Update Server for the Site. Not used with diskUpdateServerId. Default=null
makUser	User name used for MAK activation. Default=null Max Length=64
makPassword	User password used for MAK activation. Default=null Max Length=64
role	Read-only Role of the user for this item. 100 is Farm Administrator, 200 is Site Administrator, and 999 is read-only. Default=999
records	If successful, records retrieved.

## Mcli-Get SiteView

Get the fields for a Site View or all Site Views in a Site or the whole Farm. All Site Views are returned if no parameters are passed.

-p	Parameters needed for the Get.
One of these optional	
siteViewId	GUID of the Site View to Get.
siteId	GUID of the Site to Get all Views for.
siteName	Name of the Site to Get all Views for.
or this optional & resolution	
siteViewName	Name of the Site View to Get.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
siteViewName	Name of the Site View. Max Length=50

description	User description. Default="" Max Length=250
deviceCount	Read-only count of Devices in this Site View. Default=0
deviceWithPVDCount	Read-only count of Devices with Personal vDisk in this Site View. Default=0
activeDeviceCount	Read-only count of active Devices in this Site View. Default=0
-f	List of fields to retrieve, if not included, all fields are retrieved.
siteViewId	Read-only GUID that uniquely identifies this Site View. Length=36
siteViewName	Name of the Site View. Max Length=50
siteId	GUID of the Site this View is to be a member of. It is not used with siteName. Length=36
siteName	Name of the Site this View is to be a member of. It is not used with siteId.
description	User description. Default="" Max Length=250
deviceCount	Read-only count of Devices in this Site View. Default=0
deviceWithPVDCount	Read-only count of Devices with Personal vDisk in this Site View. Default=0
activeDeviceCount	Read-only count of active Devices in this Site View. Default=0
makActivateNeededCount	Read-only count of active Devices that need MAK activation in this Site View. Default=0
role	Read-only Role of the user for this item. 100 is Farm Administrator, and 200 is Site Administrator. Default=999
records	If successful, records retrieved.

## Mcli-Get Store

Get the fields for a Store or all Stores for a Server, Site or the Farm. All Stores are returned if no parameters are passed.

-p	Parameters needed for the Get.
One of these optional	
storeId	GUID of the Store to Get.
storeName	Name of the Store to Get.
serverId	GUID of the Server to Get all Stores for.
serverName	Name of the Server to Get all Stores for.
siteId	GUID of the Site to Get all Stores for.
siteName	Name of the Site to Get all Stores for.

-s                    Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

    storeName            Name of the Store. Max Length=50

    description            User description. Default="" Max Length=250

-f                    List of fields to retrieve, if not included, all fields are retrieved.

    storeId              Read-only GUID that uniquely identifies this Store. Length=36

    storeName            Name of the Store. Max Length=50

    siteId                GUID of the Site where Administrators of that Site can change this Store. Not used for Farm Stores. siteName can be used instead. Default=null Length=36

    siteName             Name of the Site where Administrators of that Site can change this Store. Not used for Farm Stores. siteId can be used instead. Default=null

    description            User description. Default="" Max Length=250

    path                 Default directory path that the Servers use to access this Store. Max Length=255

    cachePath            Default Cache path(s) that the Servers use with this Store. It is an ordered comma-delimited list. If none are specified the caches will be placed in the WriteCache subdirectory of the Store path. Default=None

    role                 Read-only Role of the user for this item. 100 is Farm Administrator, 200 is Site Administrator, and 999 is read-only. Default=999

    pathType             Read-only field indicating if the vdisks are on a server's local hard disk or on a remote share.

records                If successful, records retrieved.

## **Mcli-Get StoreSharedOrServerPath**

Get the Stores and paths for the serverName specified or Stores with only shared UNC paths.

-p                    Parameters needed for the Get.

    One of these required

        siteId            GUID of a Site used for authorization check.

        siteName         Name of a Site used for authorization check.

    Optional

        serverName        Name of a Server to also get local Store paths for.

-s                    Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

    storeName            Name of the Store.

-f                    List of fields to retrieve, if not included, all fields are retrieved.

    storeId             GUID of the Store.

    storeName            Name of the Store.

    path                Directory path that the Servers use to access this Store.

records                If successful, records retrieved.

## Mcli-Get Task

Get the current Task fields for select, or all active and completed un-cleared tasks.

-p                    Parameters needed for the Get.

    One of these optional

        taskId            ID of the Task to get.

        siteId            GUID of the Site to get Tasks for.

        siteName          Name of the Site to get Tasks for.

    Optional

        state             The TaskState to get Tasks for. Values are: 0 (Processing), 1 (Cancelled), and 2 (Complete).

-s                    Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

    taskId             Unique ID of the task.

-f                    List of fields to retrieve, if not included, all fields are retrieved.

    taskId             Unique ID of the task.

    siteId             GUID of the Site that this Task is being processed in. Default=null Length=36

    siteName            Name of the Site that that this Task is being processed in.

    handle             Handle to a running function.

    serverFqdn          Qualified name of the server. Default=null Max Length=1024

    ip                 IP Address of the remote host.

    port               Port number of the remote service.

    startTime           Time the task was started. Format is: YYYY-MM-DD HH:MM:SS.

expirationTime	Time the task record may be removed from the database if the task does not complete. Format is: YYYY-MM-DD HH:MM:SS.
state	State of the Task. Values are: 0 (Processing), 1 (Cancelled), and 2 (Complete). Min=0, Max=2
commandType	Type of the command. Values are: Add, Delete, Get, Info, Run, RunWithReturn, Set and SetList. Default="" Max Length=13
command	Command being processed. Default="" Max Length=50
mapException	Exception result in XML format. Default=null
results	Result in XML format. Default=null
records	If successful, records retrieved.

## Mcli-Get UndefinedDisks

Get undefined Disks for the Store on the Server specified.

-p	Parameters needed for the Get.
One of these required	
serverId	GUID of the Server to look for undefined Disks.
serverName	Name of the Server to look for undefined Disks.
One of these required	
storeId	GUID of the Store that the Server services to look for undefined Disks.
storeName	Name of the Store that the Server services to look for undefined Disks.
Optional	
autoAddEnabled	1 when undefined Disks found should be automatically added, 0 otherwise. Default=0
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
name	Name of the disk file without the extension.
-f	List of fields to retrieve, if not included, all fields are retrieved.
name	Name of the disk file without the extension.
status	Status of the disk file. Values are: 0 (Valid), 1 (Missing Properties File), 2 (Access Denied), 3 (Access Denied and Missing Properties File), 4 (Invalid Disk File), 5 (Manifest Missing or Invalid), 6 (Both VHD and VHDX)

format	Format of the image. Values are: 0 (VHD), 1 (VHDX). Default=0
records	If successful, records retrieved.

## Mcli-Get UpdateTask

Get the fields for an Update Task or all Update Tasks in a Site or the whole Farm. All Update Tasks are returned if no parameters are passed.

-p	Parameters needed for the Get.
One of these optional	
updateTaskId	GUID of the Update Task to Get.
siteId	GUID of the Site to Get all Update Tasks for.
siteName	Name of the Site to Get all Update Tasks for.
or this optional & resolution	
updateTaskName	Name of the Update Task to Get.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
-s	Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.
updateTaskName	Name of the Update Task. It is unique within the Site. Max Length=50
description	User description. Default="" Max Length=250
-f	List of fields to retrieve, if not included, all fields are retrieved.
updateTaskId	Read-only GUID that uniquely identifies this Update Task. Length=36
updateTaskName	Name of the Update Task. It is unique within the Site. Max Length=50
siteId	GUID of the Site that this Update Task is a member of. It is not used with siteName. Length=36
siteName	Name of the Site that this Update Task is a member of. It is not used with siteId.
description	User description. Default="" Max Length=250
enabled	1 when it will be processed, 0 otherwise. Default=1
hour	The hour of the day to perform the task. Min=0, Max=23, Default=0
minute	The minute of the hour to perform the task. Min=0, Max=59, Default=0

recurrence	The update will reoccur on this schedule. 0 = None, 1 = Daily, 2 = Every Weekday, 3 = Weekly, 4 = Monthly Date, 5 = Monthly Type. Min=0, Max=5, Default=0
dayMask	Days selected values. 1 = Monday, 2 = Tuesday, 4 = Wednesday, 8 = Thursday, 16 = Friday, 32 = Saturday, 64 = Sunday, 128 = Day. Default=0. This is used with Weekly and Monthly Type recurrence. Min=1, Max=255, Default=4
date	Comma delimited days of the month. Numbers from 1-31 are the only valid values. This is used with Monthly Date recurrence. Default="" Max Length=83
monthlyOffset	When to happen monthly. 0 = None, 1 = First, 2 = Second, 3 = Third, 4 = Forth, 5 = Last. This is used with Monthly Type recurrence. Min=0, Max=5, Default=3
esdType	Esd to use. Valid values are SCCM or WSUS. If no value, a custom script is run on the client. Default=null Max Length=50
preUpdateScript	Script file to run before the update starts. Default=null Max Length=255
preVmScript	Script file to run before the VM is loaded. Default=null Max Length=255
postUpdateScript	Script file to run after the update finishes. Default=null Max Length=255
postVmScript	Script file to run after the VM is unloaded. Default=null Max Length=255
domain	Domain to add the Disk Update Device(s) to. If not included, the first Domain Controller found on the Server is used. Default=null Max Length=255
organizationUnit	Organizational Unit to add the Disk Update Device(s) to. This parameter is optional. If it is not specified, the device is added to the built in Computers container. Child OU's should be delimited with forward slashes, e.g. "ParentOU/ChildOU". Special characters in an OU name, such as '"', '#', '+', ',', ';', '>', '=', must be escaped with a backslash. For example, an OU called "commaIn,TheMiddle" must be specified as "commaIn\,TheMiddle". The old syntax of delimiting child OU's with a comma is still supported, but deprecated. Note that in this case, the child OU comes first, e.g. "ChildOU,ParentOU". Default=null Max Length=255
postUpdateApprove	Access to place the version in after the update has occurred. 0 = Production, 1 =

Test, 2 = Maintenance. Min=0, Max=2,  
Default=0

records

If successful, records retrieved.

## Mcli-Get VirtualHostingPool

Get the fields for a Virtual Hosting Pool or all Virtual Hosting Pools in a Site or the whole Farm. All Virtual Hosting Pools are returned if no parameters are passed.

-p Parameters needed for the Get.

One of these optional

virtualHostingPoolId GUID of the Virtual Hosting Pool to Get.

siteId GUID of the Site to Get all Virtual Hosting Pools for.

siteName Name of the Site to Get all Virtual Hosting Pools for.

or this optional & resolution

virtualHostingPoolName Name of the Virtual Hosting Pool to Get.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

-s Name of field to sort on. If not included, the first field listed is used. Append a - to the field name to get descending order.

virtualHostingPoolName Name of the Virtual Hosting Pool. It is unique within the Site. Max Length=50

description User description. Default="" Max Length=250

-f List of fields to retrieve, if not included, all fields are retrieved.

virtualHostingPoolId Read-only GUID that uniquely identifies this Virtual Hosting Pool. Length=36

virtualHostingPoolName Name of the Virtual Hosting Pool. It is unique within the Site. Max Length=50

siteId GUID of the Site that this Virtual Hosting Pool is a member of. It is not used with siteName. Length=36

siteName Name of the Site that this Virtual Hosting Pool is a member of. It is not used with siteId.

type Type of the Virtual Hosting Pool. 0 = Citrix XenServer, 1 = Microsoft SCVMM/Hyper-V, 2 = VMWare vSphere/ESX. Min=0, Max=3, Default=0

description User description. Default="" Max Length=250

server Name or IP of the Host Server. Max Length=255

port	Port of the Host Server. Min=80, Max=65534, Default=80
datacenter	Datacenter of the Virtual Hosting Pool. Default="" Max Length=250
updateLimit	Number of updates at the same time. Min=2, Max=1000, Default=1000
updateTimeout	Timeout for updates. Min=2, Max=240, Default=60
shutdownTimeout	Timeout for shutdown. Min=2, Max=30, Default=10
userName	Name to use when logging into the Server.
password	Password to use when logging into the Server.
xdHostingUnitUuid	UUID of XenDesktop Hosting Unit Default=null Length=36
prepopulateEnabled	Enable prepopulate when set to 1 Default=0
xsPvsSiteUuid	UUID of XenServer PVS_site Default=null Length=36
platformVersion	Hypervisor Host Version Default=null Max Length=250
xdHcHypervisorConnectionName	Hypervisor Connection Name for HCL Connection Details object Default=null Max Length=250
xdHcHypervisorConnectionUid	Hypervisor Connection Uid for HCL Connection Details object Default=null Max Length=250
xdHcRevision	Revision for HCL Connection Details object Default=null Max Length=250
xdHcCustomProperties	Custom Properties for HCL Connection Details object Default=null Max Length=250
xdHcSslThumbprints	Ssl Thumbprints for HCL Connection Details object Default=null Max Length=250
records	If successful, records retrieved.

## Mcli-Get XDSite

Get the fields for a XenDesktop Site or all XenDesktop Sites. All XenDesktop Sites are returned if no parameters are passed.

-p	Parameters needed for the Get.
This optional	
xdSiteId	GUID of the XenDesktop Site to Get.
-f	List of fields to retrieve, if not included, all fields are retrieved.
xdSiteId	GUID of the XenDesktop Site. Length=36

configServices	Comma delimited list of XenDesktop Server addresses. Max Length=2000
records	If successful, records retrieved.

## Mcli-Info

Mcli-Info commandName[ -p name=value[, name2=value2]][ -f field[, field2]]

### Mcli-Info Group

Get the fields for the Groups for the user or the System.

-p	Parameters needed for the Info request.
Optional	
domain	Domain of user (may be the name of the local computer).
user	Name of user.
adGroupsEnabled	Get Active Directory groups, when set to 1. Get Windows groups, when set to 0. If not included, the Farm adGroupsEnabled setting is used.
-f	List of fields to retrieve, if not included, all fields are retrieved.
name	Name of the Group.
guid	GUID of the Active Directory group. It will be null for Windows groups.
records	If successful, records retrieved.

### Mcli-Info LocalServer

Return one record with the local server's NetBios name

-f	List of fields to retrieve, if not included, all fields are retrieved.
LocalServer	NetBios name of local server.
records	If successful, records retrieved.

### Mcli-Info MapiErrorCode

Return the string and numeric versions of each Mapi error code.

-f	List of fields to retrieve, if not included, all fields are retrieved.
mapiVersion	Version of the system in major.minor.point.build format.
dbVersion	Version of the database schema as a number. Default=0
type	Type of system. Values are 0 (Normal), 1 (OROM), and 2 (Secure). Default=0

dbEdition	Edition of the database. If 'Express Edition', monitor dbSize.
dbSize	Size of the database in MB. Monitor this value if the edition is 'Express Edition' and this value is close to reaching the 4000 MB maximum. Default=0
mapiVersionNumber	Internal version number of the system. It is a number that is increased by 100 for each major and minor release. Point releases are the numbers between each 100. Default=0
records	If successful, records retrieved.

## Mcli-Info Version

Return one record with the version information.

-f	List of fields to retrieve, if not included, all fields are retrieved.
mapiVersion	Version of the system in major.minor.point.build format.
dbVersion	Version of the database schema as a number. Default=0
type	Type of system. Values are 0 (Normal), 1 (OROM), and 2 (Secure). Default=0
dbEdition	Edition of the database. If 'Express Edition', monitor dbSize.
dbSize	Size of the database in MB. Monitor this value if the edition is 'Express Edition' and this value is close to reaching the 4000 MB maximum. Default=0
mapiVersionNumber	Internal version number of the system. It is a number that is increased by 100 for each major and minor release. Point releases are the numbers between each 100. Default=0
records	If successful, records retrieved.

## Mcli-Run

Mcli-Run commandName[ -p name=value[, name2=value2]]

### Mcli-Run ActivateDevice

Proxy Activate with a Multiple Activation Key and/or apply the Confirmation ID to remote activate a Device DiskLocator pair.

-p	Parameters needed for this Run.
One of these required	
deviceId	GUID of the Device to Activate.
deviceName	Name of the Device to Activate.
deviceMac	MAC of the Device to Activate.

This required

makUsedToActivate Multiple Activation Key to Activate the Device with.

## Mcli-Run AddDeviceToDomain

Assign a Device, all Devices in a Collection or View to a Domain.

-p Parameters needed for this Run.

One of these required

deviceId GUID of the Device to Add to the Domain.  
deviceName Name of the Device to Add to the Domain.  
deviceMac MAC of the Device to Add to the Domain.  
collectionId GUID of the Collection to Add all Devices to the Domain.  
siteViewId GUID of the Site View to Add all Devices to the Domain.  
farmViewId GUID of the Farm View to Add all Devices to the Domain.  
farmViewName Name of the Farm View to Add all Devices to the Domain.

or one of these required & resolutions

collectionName Name of the Collection to Add all Devices to the Domain.  
siteViewName Name of the Site View to Add all Devices to the Domain.

Optional

domain Domain to add the Device(s) to. If not included, the first Domain Controller found on the Server is used.  
organizationUnit Organizational Unit to add the Device(s) to. This parameter is optional. If it is not specified, the device is added to the built in Computers container. Child OU's should be delimited with forward slashes, e.g. "ParentOU/ChildOU". Special characters in an OU name, such as '"', '#', '+', ',', ';', '>', '=', must be escaped with a backslash. For example, an OU called "commaIn,TheMiddle" must be specified as "commaIn\,TheMiddle". The old syntax of delimiting child OU's with a comma is still supported, but deprecated. Note that in this case, the child OU comes first, e.g. "ChildOU,ParentOU".

One of these resolutions when needed

siteId GUID of the Site.  
siteName Name of the Site.

## Mcli-Run AddDiskVersion

Add one or more new Versions to a Disk. A manifest file for the new Disk Version(s) must exist in the Store.

-p Parameters needed for this Run.

This required

diskLocatorId GUID of the Disk Locator File to Add the new Disk Version(s) to.

or this required & resolution

diskLocatorName Name of the Disk Locator File to Add the new Disk Version(s) to.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run ApplyAutoUpdate

Apply Auto Update for a Server or all Servers in a Site.

-p Parameters needed for this Run.

One of these required

serverId GUID of the Server to apply Auto Update.

serverName Name of the Server to apply Auto Update.

siteId GUID of the Site to apply Auto Update on all Servers.

siteName Name of the Site to apply Auto Update on all Servers.

## Mcli-Run ArchiveAuditTrail

Archive the information in the Audit Trail up to a certain date to a file. When finished, the information archived will be removed from the Audit Trail.

-p Parameters needed for this Run.

This required

fileName Name of the file to archive the Audit Trail to. This must be a full file path name.

Optional

endDate Last date of information to Archive. If not entered, all information is Archived. Format is yyyy/mm/dd.

purgeData 1 when the information archived will be removed from the Audit Trail. Default=1

## Mcli-Run AssignAuthGroup

Assign an AuthGroup to have Farm, Site or Collection Authorization. If no Site or Collection is specified, the AuthGroup is given Farm Authorization.

-p Parameters needed for this Run.

One of these required

authGroupId GUID of the AuthGroup to assign Authorization for.

authGroupName Name of the AuthGroup to assign Authorization for.

One of these optional

siteId GUID of the Site to assign Authorization to for the AuthGroup.

siteName Name of the Site to assign Authorization to for the AuthGroup.

collectionId GUID of the Collection to assign Authorization to for the AuthGroup.

or this optional & resolution

collectionName Name of the Collection to assign Authorization to for the AuthGroup.

Optional

role Authorization Role for the Collection. 300 or 400 can be used. Role can only be used with collectionId or collectionName. 300 is Collection Administrator, and 400 is Collection Operator. Default=400

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

## Mcli-Run AssignDevice

Assign a Device to a Collection or View. Personal vDisk Devices cannot be moved to another Site.

-p Parameters needed for this Run.

One of these required

deviceId GUID of the Device to Assign.

deviceName Name of the Device to Assign.

deviceMac MAC of the Device to Assign.

One of these required

collectionId	GUID of the Collection to Assign a Device or Devices. The Device is moved from whatever Collection it is currently in, to the Collection specified.
siteViewId	GUID of the Site View to Assign a Device.
farmViewId	GUID of the Farm View to Assign a Device.
farmViewName	Name of the Farm View to Assign a Device.
or one of these required & resolutions	
collectionName	Name of the Collection to Assign a Device or Devices. The Device is moved from whatever Collection it is currently in, to the Collection specified.
siteViewName	Name of the Site View to Assign a Device.
Optional	
copyTemplate	1 if the Template Device for the collection, if it exists, should be used for the property settings of the assigned Device(s). copyTemplate is only valid with collectionId or collectionName.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.

## Mcli-Run AssignDisk

Assign a Disk to an Update Task.

-p	Parameters needed for this Run.
This required	
diskLocatorId	GUID of the Disk Locator to Assign.
or this required & resolution	
diskLocatorName	Name of the Disk Locator File to Assign.
One of these required	
updateTaskId	GUID of the Update Task to Assign a Disk.
updateTaskName	Name of the Update Task to Assign a Disk.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run AssignDiskLocator

Assign a Disk Locator to a Device, a Collection or View.

-p Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator to Assign.
---------------	-------------------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Assign.
-----------------	------------------------------------------

One of these required

deviceId	GUID of the Device to Assign a Disk Locator.
deviceName	Name of the Device to Assign a Disk Locator.
deviceMac	MAC of the Device to Assign a Disk Locator.
collectionId	GUID of the Collection to Assign a Disk Locator or Locators to all Devices.
siteViewId	GUID of the Site View to Assign a Disk Locator to all Devices.
farmViewId	GUID of the Farm View to Assign a Disk Locator to all Devices.
farmViewName	Name of the Farm View to Assign a Disk Locator to all Devices.

or one of these required & resolutions

collectionName	Name of the Collection to Assign a Disk Locator or Locators to all Devices.
siteViewName	Name of the Site View to Assign a Disk Locator to all Devices.

Optional

removeExisting	1 to remove the existing Disk Locators before assigning the new one. Default=0
----------------	--------------------------------------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run AssignServer

Assign a Server to a Site.

-p Parameters needed for this Run.

One of these required

serverId	GUID of the Server to Assign.
----------	-------------------------------

serverName	Name of the Server to Assign.
One of these required	
siteId	GUID of the Site to Assign a Server.
siteName	Name of the Site to Assign a Server.

## Mcli-Run Boot

Deprecated: use RunWithReturn Boot. Boot a Device, Collection or View.

-p	Parameters needed for this Run.
One of these required	
deviceId	GUID of the Device to Boot.
deviceName	Name of the Device to Boot.
deviceMac	MAC of the Device to Boot.
collectionId	GUID of the Collection to Boot all Devices.
siteViewId	GUID of the Site View to Boot all Devices.
farmViewId	GUID of the Farm View to Boot all Devices.
farmViewName	Name of the Farm View to Boot all Devices.
or one of these required & resolutions	
collectionName	Name of the Collection to Boot all Devices.
siteViewName	Name of the Site View to Boot all Devices.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.

## Mcli-Run CancelTask

Cancel a running Task.

-p	Parameters needed for this Run.
This required	
taskId	Id of the Task to Cancel.

## Mcli-Run ClearTask

Clear a single or all completed or cancelled Tasks in a Site or the whole Farm.

-p	Parameters needed for this Run.
One of these optional	
taskId	Id of the Task to Clear.
siteId	Site Id of the Tasks to Clear.
siteName	Site Name of the Tasks to Clear.

## Mcli-Run CopyPasteDevice

Copy properties of one Device to a Device, all the Devices in a Collection, Site View or Farm View.

-p Parameters needed for this Run.

One of these required

deviceIdFrom	GUID of the Device to Copy from.
deviceNameFrom	Name of the Device to Copy from.
deviceMacFrom	Mac of the Device to Copy from.

One of these required

deviceId	GUID of the Device to Copy to.
deviceName	Name of the Device to Copy to.
deviceMac	MAC of the Device to Copy to.
collectionId	GUID of the Collection to Copy to.
siteViewId	GUID of the Site View to Copy to.
farmViewId	GUID of the Farm View to Copy to.
farmViewName	Name of the Farm View to Copy to.

or one of these required & resolutions

collectionName	Name of the Collection to Copy to.
siteViewName	Name of the Site View to Copy to.

Optional

properties If not specified, all are copied. Comma delimited list of properties. Values are: 1 (Description), 2 (Class), 3 (Port), 4 (Disabled), 5 (Boot Behavior), 6 (Disk Assignment), 7 (Personality), 8 (Printer), 9 (Type), 10 (Authentication) and 11 (Logging).

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

## Mcli-Run CopyPasteDisk

Copy properties of one Disk to a Disk.

-p Parameters needed for this Run.

This required

diskLocatorIdFrom	GUID of the Disk Locator to Copy from.
-------------------	----------------------------------------

This required

diskLocatorId	GUID of the Disk Locator to Copy to.
---------------	--------------------------------------

Optional

properties If not specified, all are copied. Comma delimited list of properties. Values are: 1 (Description), 2 (Class), 3 (Type), 4 (Disk Mode), 5 (Auto Update), 6 (HA), 7 (Active Directory), 8 (Printer), 10 (Version), 11 (Date), 12 (Author), 13 (Title), 14 (Company), 15 (Internal Filename), 16 (Original Filename), 17 (Hardware Target), 18 (Menu Text), 19 (Enabled), 20 (Server), and 21 (Store).

## Mcli-Run CopyPasteServer

Copy properties of one Server to a Server.

-p Parameters needed for this Run.

One of these required

serverIdFrom GUID of the Server to Copy from.

serverNameFrom Name of the Server to Copy from.

One of these required

serverId GUID of the Server to Copy to.

serverName Name of the Server to Copy to.

Optional

properties If not specified, all are copied. Comma delimited list of properties. Values are: 1 (Configuration), 2 (Port), 4 (Active Directory), 5 (Advanced Server), 6 (Advanced Network), 7 (Advanced Pacing), 8 (Advanced Device) and 9 (Logging).

## Mcli-Run CreateDirectory

Create a Directory on the Server specified.

-p Parameters needed for this Run.

One of these required

serverId GUID of the Server to create a Directory on.

serverName Name of the Server to create a Directory on.

This required

path Path of the new Directory to create.

## Mcli-Run CreateDiskCancel

Cancel an active CreateDisk.

-p Parameters needed for this Run.

This required

name Name of the Disk file that is being created.

One of these required

storeId	GUID of the Store that the Disk will be a member of.
storeName	Name of the Store that the Disk will be a member of.

## Mcli-Run DisableCollection

Disable a Collection so Devices that exist in it are Disabled, even if a Device itself is set to be Enabled.

-p Parameters needed for this Run.

This required

collectionId	GUID of the Collection to Disable.
--------------	------------------------------------

or this required & resolution

collectionName	Name of the Collection to Disable.
----------------	------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
--------	-------------------

siteName	Name of the Site.
----------	-------------------

## Mcli-Run DisableDevice

Disable one or more Devices.

-p Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Disable.
----------	--------------------------------

deviceName	Name of the Device to Disable.
------------	--------------------------------

deviceMac	MAC of the Device to Disable.
-----------	-------------------------------

collectionId	GUID of the Collection to Disable all Devices in.
--------------	---------------------------------------------------

siteViewId	GUID of the Site View to Disable all Devices in.
------------	--------------------------------------------------

farmViewId	GUID of the Farm View to Disable all Devices in.
------------	--------------------------------------------------

farmViewName	Name of the Farm View to Disable all Devices in.
--------------	--------------------------------------------------

or one of these required & resolutions

collectionName	Name of the Collection to Disable all Devices in.
----------------	---------------------------------------------------

siteViewName	Name of the Site View to Disable all Devices in.
--------------	--------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
--------	-------------------

siteName	Name of the Site.
----------	-------------------

## Mcli-Run DisableDeviceDiskLocator

Disable a Device's DiskLocator.

-p Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Disable the DiskLocator for.
deviceName	Name of the Device to Disable the DiskLocator for.
deviceMac	MAC of the Device to Disable the DiskLocator for.

This required

diskLocatorId	GUID of the DiskLocator to Disable for the Device.
---------------	----------------------------------------------------

or this required & resolution

diskLocatorName	Name of the DiskLocator File to Disable for the Device.
-----------------	---------------------------------------------------------

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run DisableDiskLocator

Disable a DiskLocator so all Devices that have it assigned will not make it available, even if a Device DiskLocator itself is set to be Enabled.

-p Parameters needed for this Run.

This required

diskLocatorId	GUID of the DiskLocator to Disable.
---------------	-------------------------------------

or this required & resolution

diskLocatorName	Name of the DiskLocator File to Disable.
-----------------	------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run DiskUpdateCancel

Cancel an active Update Task for an Update Device.

-p Parameters needed for this Run.

This required

updateTaskId GUID of the Update Task to Cancel.

or this required & resolution

updateTaskName Name of the Update Task to Cancel.

One of these required

deviceId GUID of a specific Update Device to Cancel an Update Task for.

deviceName Name of a specific Update Device to Cancel an Update Task for.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

## **Mcli-Run DiskUpdateStart**

Starts an Update Task.

-p Parameters needed for this Run.

This required

updateTaskId GUID of the Update Task to Start.

or this required & resolution

updateTaskName Name of the Update Task to Start.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

## **Mcli-Run DisplayMessage**

Deprecated: use RunWithReturn DisplayMessage. Display a message on a Device, a Site, Collection or View.

-p Parameters needed for this Run.

This required

message Message to display on the Device(s).

One of these required

deviceId GUID of the Device to Display a Message.

deviceName Name of the Device to Display a Message.

deviceMac MAC of the Device to Display a Message.

collectionId GUID of the Collection to Display a Message on all Devices.

siteViewId GUID of the Site View to Display a Message all Devices.

farmViewId	GUID of the Farm View to Display a Message on all Devices.
farmViewName	Name of the Farm View to Display a Message on all Devices.

or one of these required & resolutions

collectionName	Name of the Collection to Display a Message on all Devices.
siteViewName	Name of the Site View to Display a Message on all Devices.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

## Mcli-Run EnableCollection

Enable a Collection so Devices that exist in it are Enabled, if the Device itself is not set to be Disabled.

-p Parameters needed for this Run.

This required

collectionId	GUID of the Collection to Enable.
--------------	-----------------------------------

or this required & resolution

collectionName	Name of the Collection to Enable.
----------------	-----------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

## Mcli-Run EnableDevice

Enable one or more Devices. If the Device's Collection is Disabled, that overrides the Device setting.

-p Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Enable.
deviceName	Name of the Device to Enable.
deviceMac	MAC of the Device to Enable.
collectionId	GUID of the Collection to Enable all Devices in.
siteViewId	GUID of the Site View to Enable all Devices in.
farmViewId	GUID of the Farm View to Enable all Devices in.
farmViewName	Name of the Farm View to Enable all Devices in.

or one of these required & resolutions

collectionName	Name of the Collection to Enable all Devices in.
siteViewName	Name of the Site View to Enable all Devices in.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.

## Mcli-Run EnableDeviceDiskLocator

Enable a Device's DiskLocator. If the DiskLocator is Disabled, that overrides the Device DiskLocator setting.

-p Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Enable the DiskLocator for.
deviceName	Name of the Device to Enable the DiskLocator for.
deviceMac	MAC of the Device to Enable the DiskLocator for.

This required

diskLocatorId	GUID of the DiskLocator to Enable for the Device.
---------------	---------------------------------------------------

or this required & resolution

diskLocatorName	Name of the DiskLocator to Enable for the Device.
-----------------	---------------------------------------------------

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run EnableDiskLocator

Enable a DiskLocator so Devices that have it assigned will make it available, if the Device DiskLocator itself is not set to be Disabled.

-p Parameters needed for this Run.

This required

diskLocatorId	GUID of the DiskLocator to Enable.
---------------	------------------------------------

or this required & resolution

diskLocatorName	Name of the DiskLocator File to Enable.
-----------------	-----------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run ExportDisk

Export the disk stack to a manifest file.

-p Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator that identifies the disk to export.
---------------	--------------------------------------------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator that identifies the disk to export.
-----------------	--------------------------------------------------------------

Optional

version	Version to use as the start of the export. The export will include all versions starting with this to the highest one.
---------	------------------------------------------------------------------------------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run ExportOemLicenses

Oem Only: Export the Oem Licenses for the Devices to the fileName specified.

-p Parameters needed for this Run.

This required

fileName	Name of the file to export the Oem Licenses to. This must be a full file path name.
----------	-------------------------------------------------------------------------------------

One of these required

deviceId	GUID of the Device, or comma-delimited list of Device GUIDs to Export Oem Licenses to the fileName specified.
----------	---------------------------------------------------------------------------------------------------------------

deviceName	Name of the Device, or comma-delimited list of Device Names to Export Oem Licenses to the fileName specified.
------------	---------------------------------------------------------------------------------------------------------------

deviceMac	MAC of the Device, or comma-delimited list of Device MACs to Export Oem Licenses to the fileName specified.
collectionId	GUID of the Collection to Export all Device Oem Licenses to the fileName specified.
siteViewId	GUID of the Site View to Export all Device Oem Licenses to the fileName specified.
farmViewId	GUID of the Farm View to Export all Device Oem Licenses to the fileName specified.
farmViewName	Name of the Farm View to Export all Device Oem Licenses to the fileName specified.

or one of these required & resolutions

collectionName	Name of the Collection to Export all Device Oem Licenses to the fileName specified.
siteViewName	Name of the Site View to Export all Device Oem Licenses to the fileName specified.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

## Mcli-Run ForcelInventory

Force the Inventory service to refresh its Inventory Table.

## Mcli-Run ImportDatabase

Import Devices from the version 4.x mdb database fileName specified.

-p Parameters needed for this Run.

This required

fileName	Name of the database mdb file to import the Devices from. This must be a full file path name.
----------	-----------------------------------------------------------------------------------------------

This required

collectionId	GUID of the Collection to import the Devices into.
--------------	----------------------------------------------------

or this required & resolution

collectionName	Name of the Collection to import the Devices into.
----------------	----------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

## Mcli-Run ImportDevices

Import Devices from the contents of the comma or tab delimited fileName specified. Each record needs to have Device Name, Mac Address, Site Name,

Collection Name, optional Description and optional Type. Description must exist for Type to be included, but it can have 0 length. Type can be 1 when it performs test of Disks, 2 when it performs maintenance on Disks, and 0 otherwise.

-p Parameters needed for this Run.

This required

fileName Name of the file to import the Devices from. This must be a full file path name.

One of these optional

collectionId GUID of the Collection to import the Devices into.

siteId GUID of the Site to import the Devices into.

siteName Name of the Site to import the Devices into.

or this optional & resolution

collectionName Name of the Collection to import the Devices into.

Optional

copyTemplate 1 if the Template Device for the collection, if it exists, should be used for the property settings of the imported Devices.

doNotCreateNewSites 1 if new Sites found in the file should not be created. Default=0

doNotCreateNewCollections 1 if new Collections found in the file should not be created. Default=0

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

## Mcli-Run ImportOemLicenses

Oem Only: Import the Oem Licenses from the contents of the fileName specified.

-p Parameters needed for this Run.

This required

fileName Name of the file to import the Oem Licenses from. This must be a full file path name.

## Mcli-Run MarkDown

Mark Down a Device, Collection, View, Server or Site.

-p Parameters needed for this Run.

One of these required

deviceId GUID of the Device to Mark Down.

deviceName Name of the Device to Mark Down.

deviceMac	MAC of the Device to Mark Down.
collectionId	GUID of the Collection to Mark Down all Devices.
siteViewId	GUID of the Site View to Mark Down all Devices.
siteId	GUID of the Site. Can be used alone to Mark Down all Servers and Devices in the Site.
siteName	Name of the Site. Can be used alone to Mark Down all Servers and Devices in the Site.
farmViewId	GUID of the Farm View to Mark Down all Devices.
farmViewName	Name of the Farm View to Mark Down all Devices.
diskLocatorId	GUID of the DiskLocator to Mark Down all Devices.
serverId	GUID of the Server to Mark Down.
serverName	Name of the Server to Mark Down.
or one of these required & resolutions	
collectionName	Name of the Collection to Mark Down all Devices.
siteViewName	Name of the Site View to Mark Down all Devices.
diskLocatorName	Name of the DiskLocator to Mark Down all Devices.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run MergeDisk

Merge the Disk.

-p	Parameters needed for this Run.
This required	
diskLocatorId	GUID of the Disk Locator File to Merge.
or this required & resolution	
diskLocatorName	Name of the Disk Locator File to Merge.
Optional	

access	Access to set the version to when merge is finished. Default value is found in the Farm mergeMode setting. Values are: 0 (Production), 1 (Test) and 2 (Maintenance), Min=0, Max=2
base	When 1, specifies to create a new base from last base plus all updates from that base. The default is to merge all updates from the last base by default.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run PromoteDiskVersion

Commit the changes made in the current Maintenance or a Test version. Promotes the Maintenance version or a Test version to a Test or new Production version.

-p	Parameters needed for this Run.
----	---------------------------------

This required

diskLocatorId	GUID of the Disk Locator File to Promote the Disk Version of.
---------------	---------------------------------------------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Promote the Disk Version of.
-----------------	---------------------------------------------------------------

Optional

scheduledDate	Date/Time the new disk version will become available. Format is: YYYY-MM-DD HH:MM
testVersion	Specifies the Test version number that should be Promoted to Production.
test	Set the mode of the Maintenance version to Test when 1. Default is 0.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run Reboot

Deprecated: use RunWithReturn Reboot. Reboot a Device, Collection or View.

-p Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Reboot.
deviceName	Name of the Device to Reboot.
deviceMac	MAC of the Device to Reboot.
collectionId	GUID of the Collection to Reboot all Devices.
siteViewId	GUID of the Site View to Reboot all Devices.
farmViewId	GUID of the Farm View to Reboot all Devices.
farmViewName	Name of the Farm View to Reboot all Devices.
diskLocatorId	GUID of the DiskLocator to Reboot all Devices.

or one of these required & resolutions

collectionName	Name of the Collection to Reboot all Devices.
siteViewName	Name of the Site View to Reboot all Devices.
diskLocatorName	Name of the DiskLocator to Reboot all Devices.

Optional

message	Message to display before rebooting the Device(s). Default=The target device is being shutdown remotely by the Console.
delay	Number of seconds to delay before rebooting the Device(s). Default=10
version	Version of the Disk to Reboot all Devices for. This is used with diskLocatorId or diskLocatorName.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run RemoveAuthGroup

Remove Farm, Site or Collection Authorization for an AuthGroup. If no Site or Collection is specified, Farm Authorization is removed for the AuthGroup.

-p Parameters needed for this Run.

One of these required

authGroupId	GUID of the AuthGroup to remove Authorization for.
authGroupName	Name of the AuthGroup to remove Authorization for.

One of these optional

siteId	GUID of the Site to remove Authorization for the AuthGroup.
siteName	Name of the Site to remove Authorization for the AuthGroup.
collectionId	GUID of the Collection to remove Authorization for the AuthGroup.

or this optional & resolution

collectionName	Name of the Collection to remove Authorization for the AuthGroup.
----------------	-------------------------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

## Mcli-Run RemoveDevice

Remove a Device from a View.

-p Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Remove.
deviceName	Name of the Device to Remove.
deviceMac	MAC of the Device to Remove.

One of these required

siteViewId	GUID of the Site View to Remove the Devices from.
farmViewId	GUID of the Farm View to Remove the Devices from.
farmViewName	Name of the Farm View to Remove the Devices from.

or this required & resolution

siteViewName	Name of the Site View to Remove the Devices from.
--------------	---------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

## Mcli-Run RemoveDeviceFromDomain

Remove a Device, all Devices in a Collection or View from a Domain.

-p Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Remove from the Domain.
deviceName	Name of the Device to Remove from the Domain.
deviceMac	MAC of the Device to Remove from the Domain.
collectionId	GUID of the Collection to Remove all Devices from the Domain.
siteViewId	GUID of the Site View to Remove all Devices from the Domain.
farmViewId	GUID of the Farm View to Remove all Devices from the Domain.
farmViewName	Name of the Farm View to Remove all Devices from the Domain.

or one of these required & resolutions

collectionName	Name of the Collection to Remove all Devices from the Domain.
siteViewName	Name of the Site View to Remove all Devices from the Domain.

Optional

domain	Domain to remove the Device(s) from. If not included, the first Domain Controller found on the Server is used.
--------	----------------------------------------------------------------------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

## Mcli-Run RemoveDirectory

Remove a Directory on the Server specified.

-p Parameters needed for this Run.

One of these required

serverId	GUID of the Server to remove a Directory from. The directory must be empty to be removed.
serverName	Name of the Server to remove a Directory from. The directory must be empty to be removed.

This required

path	Path of the Directory to remove.
------	----------------------------------

## Mcli-Run RemoveDisk

Remove a Disk from an Update Task.

-p Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator to Remove.
---------------	-------------------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Remove.
-----------------	------------------------------------------

One of these optional

updateTaskId	GUID of the Update Task to Remove a Disk.
updateTaskName	Name of the Update Task to Remove a Disk.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run RemoveDiskLocator

Remove a Disk Locator from a Device, Collection, View, or Site.

-p Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator to Remove.
---------------	-------------------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Remove.
-----------------	------------------------------------------

One of these optional

deviceId	GUID of the Device to Remove a Disk Locator.
deviceName	Name of the Device to Remove a Disk Locator.
deviceMac	MAC of the Device to Remove a Disk Locator.
collectionId	GUID of the Collection to Remove a Disk Locator or Locators from all Devices.
siteViewId	GUID of the Site View to Remove a Disk Locator from all Devices.
farmViewId	GUID of the Farm View to Remove a Disk Locator from all Devices.
farmViewName	Name of the Farm View to Remove a Disk Locator from all Devices.

or one of these optional & resolutions

collectionName	Name of the Collection to Remove a Disk Locator or Locators from all Devices.
siteViewName	Name of the Site View to Remove a Disk Locator from all Devices.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run ResetDatabaseConnection

Cause the database location to be reloaded.

## Mcli-Run ResetDeviceForDomain

Reset a Device, all Devices in a Collection or View for a Domain.

-p Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to Reset for the Domain.
deviceName	Name of the Device to Reset for the Domain.
deviceMac	MAC of the Device to Reset for the Domain.
collectionId	GUID of the Collection to Reset all Devices for the Domain.
siteViewId	GUID of the Site View to Reset all Devices for the Domain.
farmViewId	GUID of the Farm View to Reset all Devices for the Domain.
farmViewName	Name of the Farm View to Reset all Devices for the Domain.

or one of these required & resolutions

collectionName	Name of the Collection to Reset all Devices for the Domain.
siteViewName	Name of the Site View to Reset all Devices for the Domain.

Optional

domain	Domain to Reset the Device(s) for. If not included, the first Domain Controller found on the Server is used.
organizationUnit	Organizational Unit to reset the Device(s) to. This parameter is optional. If it is not specified, the account remains in its

existing OU. Child OU's should be delimited with forward slashes, e.g. "ParentOU/ChildOU". Special characters in an OU name, such as '"', '#', '+', ',', ';', '>', '=', must be escaped with a backslash. For example, an OU called "commaIn,TheMiddle" must be specified as "commaIn\,TheMiddle". The old syntax of delimiting child OU's with a comma is still supported, but deprecated. Note that in this case, the child OU comes first, e.g. "ChildOU,ParentOU".

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

## Mcli-Run RestartStreamService

Restart the Stream Service on a Server or all Servers in a Site.

-p Parameters needed for this Run.

One of these required

serverId	GUID of the Server to restart the Stream Service.
serverName	Name of the Server to restart the Stream Service.
siteId	GUID of the Site to restart the Stream Service on all Servers.
siteName	Name of the Site to restart the Stream Service on all Servers.

## Mcli-Run RevertDiskVersion

Set the existing highest version disk to Maintenance or Test mode. A specified version can be reverted to Test mode if there are no Production versions higher than it. If the mode is Test, it can be set to Maintenance.

-p Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator File to Revert.
---------------	------------------------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Revert.
-----------------	------------------------------------------

Optional

version	Specifies the version number that should be Reverted to Test mode.
---------	--------------------------------------------------------------------

test	If reverting the highest version and 1 then set the access to Test, otherwise set it to Maintenance.
------	------------------------------------------------------------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run SetOverrideVersion

Specify a Disk Version all Production Devices will boot from.

-p Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator File to Override the Production Version for.
---------------	-----------------------------------------------------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Override the Production Version for.
-----------------	-----------------------------------------------------------------------

Optional

version	Version to set as the Override Production Version. If Version is not included and if there is an Override Production Version, then no longer have it as the Override Version.
---------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run SetupConnection

Setup the SOAP server connection that will be used for the MCLI and PowerShell command line interfaces.

-p Parameters needed for this Run.

Optional

server	Server used for the connection. Default=localhost
port	Port used for the connection. Default=54321
user	User used for the connection. Default=Current user

domain	User domain used for the connection. Default=Current user
password	User password used for the connection. Default=Current user

## Mcli-Run Shutdown

Deprecated: use RunWithReturn Shutdown. Shutdown a Device, Collection or View.

-p	Parameters needed for this Run.
One of these required	
deviceId	GUID of the Device to Shutdown.
deviceName	Name of the Device to Shutdown.
deviceMac	MAC of the Device to Shutdown.
collectionId	GUID of the Collection to Shutdown all Devices.
siteViewId	GUID of the Site View to Shutdown all Devices.
farmViewId	GUID of the Farm View to Shutdown all Devices.
farmViewName	Name of the Farm View to Shutdown all Devices.
diskLocatorId	GUID of the DiskLocator to Shutdown all Devices.
or one of these required & resolutions	
collectionName	Name of the Collection to Shutdown all Devices.
siteViewName	Name of the Site View to Shutdown all Devices.
diskLocatorName	Name of the DiskLocator to Shutdown all Devices.
Optional	
message	Message to display before shutting down the Device(s). Default=The target device is being shutdown remotely by the Console.
delay	Number of seconds to delay before shutting down the Device(s). Default=10
version	Version of the Disk to Shutdown all Devices for. This is used with diskLocatorId or diskLocatorName.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run StartDeviceDiskTempVersionMode

Set a Temporary Disk Version for the specified Device and optional DiskLocator. The Temporary Disk Version uses the production version that all production Devices boot from. Once set, the Device boots this Temporary Disk Version instead of any currently assigned vDisk. Not supported for non-production and Personal vDisk Devices. Cannot be done when the the Device already has a Temporary Disk Version, when the DiskLocator is using server side persistent cache mode or the active production version is in private mode.

-p Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to start to use a temporary disk version.
deviceName	Name of the Device to start to use a temporary disk version.
deviceMac	MAC of the Device to start to use a temporary disk version.

This optional

diskLocatorId	GUID of the Disk Locator to use a temporary version of. If not specified, the only Disk Locator assigned to the Device is used.
---------------	---------------------------------------------------------------------------------------------------------------------------------

or this optional & resolution

diskLocatorName	Name of the Disk Locator to use a temporary version of. If not specified, the only Disk Locator assigned to the Device is used.
-----------------	---------------------------------------------------------------------------------------------------------------------------------

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run StartStreamService

Start the Stream Service on a Server or all Servers in a Site.

-p Parameters needed for this Run.

One of these required

serverId	GUID of the Server to start the Stream Service.
serverName	Name of the Server to start the Stream Service.

siteId	GUID of the Site to start the Stream Service on all Servers.
siteName	Name of the Site to start the Stream Service on all Servers.

## **Mcli-Run StopDeviceDiskTempVersionMode**

Unset the Temporary Disk Version for the specified Device. The Device must not currently be booted. Once removed, the Device again uses any currently assigned vDisk when booted.

-p Parameters needed for this Run.

One of these required

deviceId	GUID of the Device to no longer use a temporary disk version for.
deviceName	Name of the Device to no longer use a temporary disk version for.
deviceMac	MAC of the Device to no longer use a temporary disk version for.
diskLocatorId	GUID of the DiskLocator to no longer use temporary disk versions for.
siteId	GUID of the Site for resolution of the diskLocatorName.
siteName	Name of the Site for resolution of the diskLocatorName.

or this required & resolution

diskLocatorName	Name of the DiskLocator to no longer use temporary disk versions for.
-----------------	-----------------------------------------------------------------------

This optional & resolution

version	Version of the DiskLocator to no longer use temporary disk versions for.
---------	--------------------------------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

diskLocatorId	GUID of the DiskLocator to no longer use temporary disk versions for.
diskLocatorName	Name of the DiskLocator to no longer use temporary disk versions for.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run StopStreamService

Stop the Stream Service on a Server or all Servers in a Site.

-p Parameters needed for this Run.

One of these required

serverId	GUID of the Server to stop the Stream Service.
serverName	Name of the Server to stop the Stream Service.
siteId	GUID of the Site to stop the Stream Service on all Servers.
siteName	Name of the Site to stop the Stream Service on all Servers.

## Mcli-Run UnloadConnection

Unload the SOAP server connection so that it can be reconnected when needed for the PowerShell command line interfaces.

## Mcli-Run UnlockAllDisk

Remove all locks for a Disk.

-p Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator to remove all locks for the Disk.
---------------	------------------------------------------------------------

or this required & resolution

diskLocatorName	Name of Disk Locator to remove all locks for the Disk.
-----------------	--------------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run UnlockDisk

Remove lock for the Disk.

-p Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator to remove a lock for the Disk.
---------------	---------------------------------------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator to remove a lock for the Disk.
Optional	
ownerId	GUID of the Owner of the Disk Lock.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

## Mcli-Run UnmapDisk

No longer Map the Disk.

## Mcli-Run ValidateDirectory

Validate a Directory on the Server specified.

-p	Parameters needed for this Run.
One of these required	
serverId	GUID of the Server to validate a Directory on.
serverName	Name of the Server to validate a Directory on.
This required	
path	Path of the Directory to validate.
This optional	
readOnly	1 when the directory should be validated for a managed read-only store.

## Mcli-RunWithReturn

Mcli-RunWithReturn commandName[ -p name=value[, name2=value2]]

## Mcli-RunWithReturn Boot

Boot a Device, Collection or View. Returns a taskId of the Task being run. With the taskId, call ReturnWithReturn TaskStatus to get the percent complete, Get Task to get the results, and Run CancelTask to stop it early. The Task result has the deviceName/value of the devices that succeeded in the first name/value pair of each record of the XML.

-p	Parameters needed for this Run.
One of these required	
deviceId	GUID of the Device to Boot.

deviceName	Name of the Device to Boot.
deviceMac	MAC of the Device to Boot.
collectionId	GUID of the Collection to Boot all Devices.
siteViewId	GUID of the Site View to Boot all Devices.
farmViewId	GUID of the Farm View to Boot all Devices.
farmViewName	Name of the Farm View to Boot all Devices.
deviceIdList	Comma delimited list of GUIDs of the Devices to Boot. Maximum length is 8000 characters.
deviceNameList	Comma delimited list of Names of the Devices to Boot. Maximum length is 8000 characters.
deviceMacList	Comma delimited list of MACs of the Devices to Boot. Maximum length is 8000 characters.

or one of these required & resolutions

collectionName	Name of the Collection to Boot all Devices.
siteViewName	Name of the Site View to Boot all Devices.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

rv If successful, this rv is filled with a string.

## Mcli-RunWithReturn CommandActions

Get a comma delimited list of Command Actions.

rv	If successful, this rv is filled with a string.
----	-------------------------------------------------

## Mcli-RunWithReturn CreateDisk

Create a Disk and the Disk Locator for it. Return the GUID of the DiskLocator created. If "" is returned as the GUID, then call CreateDiskStatus to get the final GUID when processing finishes.

-p	Parameters needed for this Run.
----	---------------------------------

This required

name	Name of the Disk file to be created.
------	--------------------------------------

This required

size	Size of the disk in Megabytes for a fixed size disk. Maximum size in Megabytes for a dynamically sized disk. Min=1, VHD Max=2088960, VHDX Max=67108864
------	--------------------------------------------------------------------------------------------------------------------------------------------------------

One of these required

storeId	GUID of the Store that the Disk will be a member of.
---------	------------------------------------------------------

storeName	Name of the Store that the Disk will be a member of.
One of these required	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these optional	
serverId	GUID of the only Server for this Disk.
serverName	Name of the only Server for this Disk.
Optional	
description	Description of the Disk that will be placed in the Disk Locator.
enabled	The Disk will be created disabled if set to 0. It is created Enabled by default. Default=1
format	Format of the image. Values are: 0 (VHD), 1 (VHDX), Default=0
type	Type that will be created. 1 for dynamic, or 0 for fixed. Default=1 for VHDX, 0 for VHD
vhdBlockSize	Block size in KB. For VHD it is only used with Dynamic type. Tested sizes for VHD are 512, 2048, and 16384. VHD Min=512, Max=16384, Default=2048. For VHDX it is used for all types. Tested size for VHDX is 32768. VHDX Min=1024, Max= 262144, Default=32768.
logicalSectorSize	Only used with VHDX format. Logical Sector Size. Values are: 512, 4096, Default=512
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn CreateDiskStatus

Get the Percent Finished for an active CreateDisk. When finished, the GUID of the DiskLocator created is returned.

-p	Parameters needed for this Run.
This required	
name	Name of the Disk file that is being created.
One of these required	
storeId	GUID of the Store that the Disk will be a member of.
storeName	Name of the Store that the Disk will be a member of.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn CreateMaintenanceVersion

Create a Maintenance version for the Disk Locator. Return the name of the new version file.

-p Parameters needed for this Run.

This required

diskLocatorId	GUID of the Disk Locator File to Enable Disk Maintenance on.
---------------	--------------------------------------------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Enable Disk Maintenance on.
-----------------	--------------------------------------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

rv If successful, this rv is filled with a string.

## Mcli-RunWithReturn DeviceCount

Get count of Devices in a Collection or View.

-p Parameters needed for this Run.

One of these required

collectionId	GUID of the Collection to get the Device Count of.
siteViewId	GUID of the Site View to get the Device Count of.
farmViewId	GUID of the Farm View to get the Device Count of.
farmViewName	Name of the Farm View to get the Device Count of.

or one of these required & resolutions

collectionName	Name of the Collection to get the Device Count of.
siteViewName	Name of the Site View to get the Device Count of.

One of these resolutions when needed

siteId	GUID of the Site.
siteName	Name of the Site.

rv If successful, this rv is filled with a string.

## Mcli-RunWithReturn DiskLocatorCount

Get count of Disk Locators for a Site and Type.

-p Parameters needed for this Run.

One of these required

siteId GUID of the Site to get the Disk Locator Count of.

siteName Name of the Site to get the Disk Locator Count of.

One of these optional

single Include single server connection when set to 1. If this and All are not included, both connection types are included.

all Include all server connections for the store when set to 1. If this and Single are not included, both connection types are included.

rv If successful, this rv is filled with a string.

## Mcli-RunWithReturn DisplayMessage

Display a message on a Device, a Site, Collection or View. Returns a taskId of the Task being run. With the taskId, call ReturnWithReturn TaskStatus to get the percent complete, Get Task to get the results, and Run CancelTask to stop it early. The Task result has the deviceName/value of the devices that succeeded in the first name/value pair of each record of the XML.

-p Parameters needed for this Run.

This required

message Message to display on the Device(s).

One of these required

deviceId GUID of the Device to Display a Message.

deviceName Name of the Device to Display a Message.

deviceMac MAC of the Device to Display a Message.

collectionId GUID of the Collection to Display a Message on all Devices.

siteViewId GUID of the Site View to Display a Message all Devices.

farmViewId GUID of the Farm View to Display a Message on all Devices.

farmViewName Name of the Farm View to Display a Message on all Devices.

deviceIdList	Comma delimited list of GUIDs of the Devices to Display a Message. Maximum length is 8000 characters.
deviceNameList	Comma delimited list of Names of the Devices to Display a Message. Maximum length is 8000 characters.
deviceMacList	Comma delimited list of MACs of the Devices to Display a Message. Maximum length is 8000 characters.
or one of these required & resolutions	
collectionName	Name of the Collection to Display a Message on all Devices.
siteViewName	Name of the Site View to Display a Message on all Devices.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn Enabled

Return 1 if a Collection, Device, DiskLocator, or Device/DiskLocator is enabled. If a collectionName or diskLocatorName is specified, siteName or siteId must be included. If both the Device and DiskLocator are specified, the Enabled setting for the combination is returned.

-p	Parameters needed for this Run.
This optional	
collectionId	Collection GUID, to see if it is enabled.
or this optional & resolution	
collectionName	Collection name, to see if it is enabled.
One of these optional	
deviceId	Device GUID, to see if it is enabled. If diskLocatorName or diskLocatorId are also included the enabled setting for the combination is returned.
deviceName	Device name, to see if it is enabled. If diskLocatorName or diskLocatorId are also included the enabled setting for the combination is returned.
deviceMac	MAC of the Device, to see if it is enabled. If diskLocatorName or diskLocatorId are also included the enabled setting for the combination is returned.
This optional	

diskLocatorId                   DiskLocator GUID, to see if it is enabled.  
If deviceName or deviceId are also included  
the enabled setting for the combination is  
returned.

or this optional & resolution

diskLocatorName                DiskLocator name, to see if it is enabled.  
If deviceName or deviceId are also included  
the enabled setting for the combination is  
returned.

One of these resolutions when needed

siteName                        Name of the Site.

siteId                          GUID of the Site.

One of these resolutions when needed

storeId                         GUID of the Store that is needed when a  
diskLocatorName is used.

storeName                       Name of the Store that is needed when a  
diskLocatorName is used.

rv                               If successful, this rv is filled with a  
string.

## Mcli-RunWithReturn Exists

Return 1 if a Site, Server, Collection, View, Device, Store, Update Task or Virtual Hosting Pool Name is already used. If a collectionName, siteViewName, updateTaskName or virtualHostingPoolName is specified, siteName or siteId must be included.

-p                               Parameters needed for this Run.

One of these required

siteName                        Name of the Site.

serverName                      Server name, to see if it is already used in  
the Farm.

farmViewName                   Farm View name, to see if it is already used  
in the Farm.

deviceName                      Device name, to see if it is already used in  
the Farm.

deviceMac                       Device MAC, to see if it is already used in  
the Farm.

storeName                       Store name, to see if it is already used.

or one of these required & resolutions

collectionName                 Collection name, to see if it is already  
used in a Site.

siteViewName                   Site View name, to see if it is already used  
in the Site.

virtualHostingPoolName        Virtual Hosting Pool name, to see if it is  
already used in a Site.

updateTaskName	Update Task name, to see if it is already used in a Site.
diskLocatorName	DiskLocator name, to see if it is already used in a Site.
One of these resolutions when needed	
siteName	Name of the Site.
siteId	GUID of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn ImportDisk

Import a Disk. It will add a Disk Locator for the Disk to the Site. A manifest file must exist in the Store. The return value is the GUID of the DiskLocator added.

-p	Parameters needed for this Run.
This required & resolution	
diskLocatorName	Name of the Disk Locator File. It is unique within the Store. ASCII Max Length=52
One of these optional	
serverId	GUID of the single Server that this Disk Locator is assigned to. It is not used with serverName. Default=null Length=36
serverName	Name of the single Server that this Disk Locator is assigned to. It is not used with serverId. Default=null
Optional	
description	User description. Default="" Max Length=250
menuText	Text that is displayed in the Boot Menu. If this field has no value, the name value is used. Default="" ASCII Max Length=64
enabled	1 when this disk can be booted, 0 otherwise. Default=1
rebalanceEnabled	1 when this Server can automatically rebalance Devices, 0 otherwise. Default=0
rebalanceTriggerPercent	Percent over fair load that triggers a dynamic Device rebalance. Min=5, Max=5000, Default=25
subnetAffinity	Qualifier for subnet affinity when assigning a Server. 0=None, 1=Best Effort, 2=Fixed. Min=0, Max=2, Default=0



storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn MapDisk

Map a disk. If successful, the drive letter or an empty string is returned. An empty string can be returned if a drive letter was not assigned by the operating system before the maxDiskLetterWaitSeconds is used up.

-p	Parameters needed for this Run.
This required	
diskLocatorId	GUID of the Disk Locator to Map the Disk.
or this required & resolution	
diskLocatorName	Name of the Disk Locator to Map the Disk.
One of these optional	
serverId	Specific Server GUID to use to Map the Disk.
serverName	Specific Server Name to use to Map the Disk.
Optional	
maxDiskLetterWaitSeconds	Once mapping a disk is successful, this is the maximum amount of seconds spent waiting for the operating system to return a drive letter. If the operating system does not return a drive letter before the maximum wait time, then an empty string is returned. Default=30
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn MappedDiskId

If there is currently a mapped disk, return the diskLocatorId of the mapped disk.

-p	Parameters needed for this Run.
One of these optional	

serverId	GUID of the Server.
serverName	Name of the Server.
One of these optional	
storeId	GUID of the Store.
storeName	Name of the Store.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn MappedDriveLetter

If there is currently a Mapped Drive, return the Letter of the Drive.

rv	If successful, this rv is filled with a string.
----	-------------------------------------------------

## Mcli-RunWithReturn MinimumLastAutoAddDeviceNumber

Get the minimum that the Device Number of the last Auto Added Device can be.

-p	Parameters needed for this Run.
This required	
collectionId	GUID of the Collection to get the Minimum lastAutoAddDeviceNumber for.
or this required & resolution	
collectionName	Name of the Collection to get the Minimum lastAutoAddDeviceNumber for.
Optional	
autoAddPrefix	The string put before the Device Number for Auto Add.
autoAddSuffix	The string put after the Device Number for Auto Add.
autoAddNumberLength	The maximum length of the Device Number for Auto Add. This length plus the autoAddPrefix length plus the autoAddSuffix length must be less than 16.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn RebalanceDevices

Rebalance Devices for a Server. When successful, returns the number of Devices affected.

-p	Parameters needed for this Run.
One of these required	

serverId	GUID of the Server to Rebalance Devices on, serverName.
serverName	Name of the Server to Rebalance Devices on, serverId.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn Reboot

Reboot a Device, Collection or View. Returns a taskId of the Task being run. With the taskId, call ReturnWithReturn TaskStatus to get the percent complete, Get Task to get the results, and Run CancelTask to stop it early. The Task result has the deviceName/value of the devices that succeeded in the first name/value pair of each record of the XML.

-p	Parameters needed for this Run.
One of these required	
deviceId	GUID of the Device to Reboot.
deviceName	Name of the Device to Reboot.
deviceMac	MAC of the Device to Reboot.
collectionId	GUID of the Collection to Reboot all Devices.
siteViewId	GUID of the Site View to Reboot all Devices.
farmViewId	GUID of the Farm View to Reboot all Devices.
farmViewName	Name of the Farm View to Reboot all Devices.
diskLocatorId	GUID of the DiskLocator to Reboot all Devices.
deviceIdList	Comma delimited list of GUIDs of the Devices to Reboot. Maximum length is 8000 characters.
deviceNameList	Comma delimited list of Names of the Devices to Reboot. Maximum length is 8000 characters.
deviceMacList	Comma delimited list of MACs of the Devices to Reboot. Maximum length is 8000 characters.
or one of these required & resolutions	
collectionName	Name of the Collection to Reboot all Devices.
siteViewName	Name of the Site View to Reboot all Devices.
diskLocatorName	Name of the DiskLocator to Reboot all Devices.
Optional	
message	Message to display before rebooting the Device(s). Default=The target device is being shutdown remotely by the Console.

delay	Number of seconds to delay before rebooting the Device(s). Default=10
version	Version of the Disk to Reboot all Devices for. This is used with diskLocatorId or diskLocatorName.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn ReportBug

Report a bug at individual server level or at site level. Return the id of the long running task.

-p	Parameters needed for this Run.
One of these required	
siteId	GUID of the Site.
serverId	GUID of the Server.
or one of these required & resolutions	
siteName	Name of the Site.
serverName	Name of the Server.
This required	
Summary	Short summary describing the problem.
This optional	
srNumber	Service Request number of the reported problem.
This optional	
Description	Description of the reported problem.
This optional	
Path	Path where problem report bundle is saved.
This optional	
DateTime	DateTime around which the reported problem occurred.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn ServerCount

Get count of Servers in a Site.

-p Parameters needed for this Run.  
One of these required

siteId	GUID of the Site to get the Server Count of.
siteName	Name of the Site to get the Server Count of.

rv If successful, this rv is filled with a string.

## Mcli-RunWithReturn ServerName

Return the name of the Server the SoapServer is running on.

rv If successful, this rv is filled with a string.

## Mcli-RunWithReturn ServerStoreActiveDeviceCount

Get the count of Devices currently connected to any vdisk served from the Store by the Server.

-p Parameters needed for this Run.  
One of these required

serverId	GUID of the Server.
serverName	Name of the Server.

One of these required

storeId	GUID of the Store.
storeName	Name of the Store.

rv If successful, this rv is filled with a string.

## Mcli-RunWithReturn Shutdown

Shutdown a Device, Collection or View. Returns a taskId of the Task being run. With the taskId, call ReturnWithReturn TaskStatus to get the percent complete, Get Task to get the results, and Run CancelTask to stop it early. The Task result has the deviceName/value of the devices that succeeded in the first name/value pair of each record of the XML.

-p Parameters needed for this Run.  
One of these required

deviceId	GUID of the Device to Shutdown.
deviceName	Name of the Device to Shutdown.
deviceMac	MAC of the Device to Shutdown.
collectionId	GUID of the Collection to Shutdown all Devices.
siteViewId	GUID of the Site View to Shutdown all Devices.

farmViewId	GUID of the Farm View to Shutdown all Devices.
farmViewName	Name of the Farm View to Shutdown all Devices.
diskLocatorId	GUID of the DiskLocator to Shutdown all Devices.
deviceIdList	Comma delimited list of GUIDs of the Devices to Shutdown. Maximum length is 8000 characters.
deviceNameList	Comma delimited list of Names of the Devices to Shutdown. Maximum length is 8000 characters.
deviceMacList	Comma delimited list of MACs of the Devices to Shutdown. Maximum length is 8000 characters.
or one of these required & resolutions	
collectionName	Name of the Collection to Shutdown all Devices.
siteViewName	Name of the Site View to Shutdown all Devices.
diskLocatorName	Name of the DiskLocator to Shutdown all Devices.
Optional	
message	Message to display before shutting down the Device(s). Default=The target device is being shutdown remotely by the Console.
delay	Number of seconds to delay before shutting down the Device(s). Default=10
version	Version of the Disk to Shutdown all Devices for. This is used with diskLocatorId or diskLocatorName.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
rv	If successful, this rv is filled with a string.

## **Mcli-RunWithReturn StoreFreeSpace**

Get the free megabytes available in the Store.

-p Parameters needed for this Run.

One of these required & resolutions

storeId	GUID of the Store.
storeName	Name of the Store.

One of these resolutions when needed

serverId	GUID of the Server to use to determine the free space in the Store.
serverName	Name of the Server to use to determine the free space in the Store.
siteId	GUID of the Site.
siteName	Name of the Site.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn TaskStatus

Get the status of a Task in percent complete.

-p	Parameters needed for this Run.
This required	
taskId	Id of the Task to get the Status of.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn UpdateBDM

Update the BDM Partition for a Device, Collection or View. Returns a taskId of the Task being run. With the taskId, call ReturnWithReturn TaskStatus to get the percent complete, Get Task to get the results, and Run CancelTask to stop it early. The Task result has the deviceName/value of the devices that succeeded in the first name/value pair of each record of the XML.

-p	Parameters needed for this Run.
One of these required	
deviceId	GUID of the Device to Update.
deviceName	Name of the Device to Update.
collectionId	GUID of the Collection to Update all BDM Devices.
siteViewId	GUID of the Site View to Update all BDM Devices.
farmViewId	GUID of the Farm View to Update all BDM Devices.
farmViewName	Name of the Farm View to Update all BDM Devices.
deviceIdList	Comma delimited list of GUIDs of the Devices to Update. Maximum length is 8000 characters.

deviceNameList	Comma delimited list of names of the Devices to Update. Maximum length is 8000 characters.
or one of these required & resolutions	
collectionName	Name of the Collection to Update all BDM Devices.
siteViewName	Name of the Site View to Update all BDMDevices.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
rv	If successful, this rv is filled with a string.

## Mcli-RunWithReturn UploadCeip

Perform a one time upload of CEIP data. Return upload Id if successful.

-p	Parameters needed for this Run.
This optional	
oneTimeUpload	1 to perform a one time upload.
rv	If successful, this rv is filled with a string.

## Mcli-Set

```
Mcli-Set commandName[ -p name=value[, name2=value2]][ -r field=value[, field2=value2]]
```

## Mcli-Set AuthGroup

Set one or more field values for an AuthGroup.

-p	Parameters needed to identify the record to be changed.
One of these required	
authGroupId	GUID of the AuthGroup to Set.
authGroupName	Name of the AuthGroup to Set.
-r	Record containing the new values for fields to be changed.
authGroupName	Name of the Active Directory or Windows Group. Max Length=450
description	User description. Default="" Max Length=250

## Mcli-Set CeipData

Set one or more field values for CEIP data.

-p	Parameters needed to identify the record to be changed.
----	---------------------------------------------------------

Optional	
uuid	CEIP UUID of this Farm. This is optional since there is only one.
-r	Record containing the new values for fields to be changed.
enabled	1 if CEIP is enabled, otherwise 0. Min=0, Max=1
nextUpload	Date and time next CEIP upload is due if enabled is 1. Default=null
inProgress	1 if an upload is currently in progress, otherwise 0. Default=0
serverId	ID of server that is currently uploading, null if inProgress is 0. Default=null Length=36
oneTimeUpload	1 to perform a one time upload. Default=0

## Mcli-Set CisData

Set one or more field values for CIS data.

-p	Parameters needed to identify the record to be changed.
Optional	
cisDataId	CIS UUID of this Farm. This is optional since there is only a single record.
-r	Record containing the new values for fields to be changed.
userName	Username used to obtain the token Default=null Max Length=255
path	Path where the last problem report bundle was saved Default=null Max Length=255
password	Password of the user required to obtain the token. This is required only by Set and Add

## Mcli-Set Collection

Set one or more field values for a Collection.

-p	Parameters needed to identify the record to be changed.
----	---------------------------------------------------------

This required

collectionId	GUID of the Collection to Set.
--------------	--------------------------------

or this required & resolution

collectionName	Name of the Collection to Set.
----------------	--------------------------------

One of these resolutions when needed

siteId	GUID of the Site.
--------	-------------------

siteName	Name of the Site.
----------	-------------------

-r	Record containing the new values for fields to be changed.
collectionName	Name of the Collection. It is unique within the Site. Max Length=50
description	User description. Default="" Max Length=250
templateDeviceId	GUID of a Device in the Collection whose settings are used for initial values of new Devices. Not used with templateDeviceName. Default=null Length=36
templateDeviceName	Name of a Device in the Collection whose settings are used for initial values of new Devices. Not used with templateDeviceId. Default=null
lastAutoAddDeviceNumber	The Device Number of the last Auto Added Device. Default=0
enabled	1 when Devices in the Collection can be booted, 0 otherwise. Default=1
autoAddPrefix	The string put before the Device Number for Auto Add. Default=null ASCII computer name characters no end digit Max Length=12
autoAddSuffix	The string put after the Device Number for Auto Add. Default=null ASCII computer name characters no begin digit Max Length=12
autoAddZeroFill	1 when zeros be placed before the Device Number up to the autoAddNumberLength for Auto Add, 0 otherwise. Default=1
autoAddNumberLength	The maximum length of the Device Number for Auto Add. This length plus the autoAddPrefix length plus the autoAddSuffix length must be less than 16. Required that ((lenautoAddPrefix+lenautoAddSuffix)+autoAddNumberLength)<=15. Min=3, Max=9, Default=4

## Mcli-Set Device

Set one or more field values for one or more Devices.

-p Parameters needed to identify the record to be changed.

One of these required

deviceId	GUID of the Device to Set.
deviceName	Name of the Device to Set.
deviceMac	MAC of the Device to Set.
collectionId	GUID of the Collection to set all Devices. deviceName and deviceMac cannot be set.
siteViewId	GUID of the Site View to set all Devices. deviceName and deviceMac cannot be set.

farmViewId	GUID of the Farm View to set all Devices. deviceName and deviceMac cannot be set.
farmViewName	Name of the Farm View to set all Devices. deviceName and deviceMac cannot be set.
or one of these required & resolutions	
collectionName	Name of the Collection to set all Devices. deviceName and deviceMac cannot be set.
siteViewName	Name of the Site View to set all Devices. deviceName and deviceMac cannot be set.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
-r	Record containing the new values for fields to be changed.
deviceName	Computer name with no spaces. ASCII computer name characters Max Length=15
description	User description. Default="" Max Length=250
deviceMac	Ethernet address as a string in the form XX- XX-XX-XX-XX-XX. Uniquely identifies the Device. Length=17
bootFrom	Device to boot from. Choices are 1 for vDisk, 2 for Hard Disk, and 3 for Floppy. This cannot be Set for a Device with Personal vDisk. Min=1, Max=3, Default=1
className	Used by Automatic Update feature to match new versions of Disks to a Device. This cannot be Set for a Device with Personal vDisk. Default="" Max Length=41
port	UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901
enabled	1 when it can be booted, 0 otherwise. This cannot be Set for a Device with Personal vDisk. Default=1
localDiskEnabled	If there is a local disk menu choice for the Device, this is 1. This cannot be Set for a Device with Personal vDisk. Default=0
authentication	Device log in authentication. Choices are 0 for none, 1 for User Name/Password, and 2 for Extern. This cannot be Set for a Device with Personal vDisk. Min=0, Max=2, Default=0
user	Name of user to authenticate before the boot process continues. This cannot be Set for a Device with Personal vDisk. Default="" ASCII Max Length=20
password	Password of user to authenticate before the boot process continues. This cannot be Set

	for a Device with Personal vDisk. Default="" ASCII Max Length=100
adTimestamp	The time the Active Directory machine account password was generated. Do not set this field, it is only set internally by PVS. Default=0
adSignature	The signature of the Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default=0
adPassword	The Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default="" ASCII Max Length=256
logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0
domainName	Fully qualified name of the domain that the Device belongs to. Do not set this field, it is only set internally by PVS. Default=null Max Length=255
domainObjectSID	The value of the objectSID AD attribute of the same name for the Device's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=186
domainControllerName	The name of the DC used to create the host's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=4000
domainTimeCreated	The time that the computer account was created. Do not set this field, it is only set internally by PVS. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null
type	1 when it performs test of Disks, 2 when it performs maintenance on Disks, 3 when it has a Personal vDisk, 4 when it has a Personal vDisk and performs tests, 0 otherwise. A Device with type 0 - 3 can only be Set to 0 - 3, and a Device with type 3 - 4 can only be Set to 3 - 4. Min=0, Max=4, Default=0
localWriteCacheDiskSize	The size in GB to format the Device cache file disk. If the value is 0, then the disk is not formatted. Min=0, Max=2048, Default=0
bdmBoot	Use PXE boot when set to 0, BDM boot when set to 1. Default is PXE Default=0
bdmType	Use PXE boot when set to 0, BDM (Bios) boot when set to 1 and BDM (Uefi) boot when set to 2. Default=0

bdmFormat	1 use VHD for BDMboot, 2 use ISO, 3 use USB. Default=0
bdmUpdated	Timestamp of the last BDM boot disk update. Default=null
bdmCreated	Timestamp when BDM device was created Default=null
xsPvsProxyUuid	UUID of XenServer PVS_proxy Default=null Length=36
enableXsProxy	Enable XenServerProxy when set to 1 Default=null

## Mcli-Set Disk

Set one or more field values for a Disk.

-p	Parameters needed to identify the record to be changed.
This required	
diskLocatorId	GUID of the Disk Locator.
or this required & resolution	
diskLocatorName	Name of the Disk Locator.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
-r	Record containing the new values for fields to be changed.
class	Class of the Disk. Max Length=40
imageType	Type of this image (software type). Max Length=40
writeCacheSize	RAM cache size (MB). Not 0 when used with Cache in Device RAM, and Cache in Device RAM with Overflow on Hard Disk. A value of 0 will disable the RAM use for Cache in Device RAM with Overflow on Hard Disk. Min=0, Max=131072, Default=0
autoUpdateEnabled	Automatically update this image for matching Devices when set to 1. Default 0
activationDateEnabled	Use activation date to activate image when set to 1. Default 0
adPasswordEnabled	Enable AD password management when set to 1.
haEnabled	Enable HA when set to 1.

printerManagementEnabled	Invalid printers will be deleted from the Device when set to 1.
writeCacheType	0 (Private), (other values are standard image) 1 (Cache on Server), 3 (Cache in Device RAM), 4 (Cache on Device Hard Disk), 7 (Cache on Server, Persistent), or 9 (Cache in Device RAM with Overflow on Hard Disk). Min=0, Max=9, Default=0
licenseMode	0 (None), 1 (Multiple Activation Key), or 2 (Key Management Service). Min=0, Max=2, Default=0
activeDate	Date to activate the disk if autoUpdateEnabled and activationDateEnabled are 1. Format is yyyy/mm/dd. Empty when the autoUpdateEnabled or activationDateEnabled are 0.
longDescription	Description of the Disk. Max Length=399
operatingSystem	Operating System of Disk. Max Length=250
osType	Operating System Type of Disk. Max Length=40
serialNumber	User defined serial number. Max Length=36
date	User defined date. Max Length=40
author	User defined author. Max Length=40
title	User defined title. Max Length=40
company	User defined company. Max Length=40
internalName	User defined name. Max Length=63
originalFile	User defined original file. Max Length=127
hardwareTarget	User defined hardware target. Max Length=127
majorRelease	User defined major release number. Min=0, Max=4294967295, Default=0
minorRelease	User defined minor release number. Min=0, Max=4294967295, Default=0
build	User defined build number. Min=0, Max=4294967295, Default=0
clearCacheDisabled	Clear cached secrets disabled.
format	Format of the image. Values are: 0 (VHD), 1 (VHDX). Default=0

## Mcli-Set DiskLocator

Set one or more field values for a Disk Locator.

-p Parameters needed to identify the record to be changed.

This required

diskLocatorId GUID of the Disk Locator to Set.

or this required & resolution

diskLocatorName	Name of the Disk Locator File to Set.
One of these resolutions when needed	
siteId	GUID of the Site.
siteName	Name of the Site.
One of these resolutions when needed	
storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.
-r	Record containing the new values for fields to be changed.
description	User description. Default="" Max Length=250
menuText	Text that is displayed in the Boot Menu. If this field has no value, the name value is used. Default="" ASCII Max Length=64
serverId	GUID of the single Server that this Disk Locator is assigned to. It is not used with serverName. Default=null Length=36
serverName	Name of the single Server that this Disk Locator is assigned to. It is not used with serverId. Default=null
enabled	1 when this disk can be booted, 0 otherwise. Default=1
rebalanceEnabled	1 when this Server can automatically rebalance Devices, 0 otherwise. Default=0
rebalanceTriggerPercent	Percent over fair load that triggers a dynamic Device rebalance. Min=5, Max=5000, Default=25
subnetAffinity	Qualifier for subnet affinity when assigning a Server. 0=None, 1=Best Effort, 2=Fixed. Min=0, Max=2, Default=0

## Mcli-Set DiskUpdateDevice

Set one or more field values for one or more Disk Update Devices.

-p	Parameters needed to identify the record to be changed.
----	---------------------------------------------------------

One of these required

deviceId	GUID of the Disk Update Device to Set.
deviceName	Name of Disk Update Device to Set.
deviceMac	MAC of Disk Update Device to Set.
siteId	GUID of the Site. Can be used alone to Set all Disk Update Devices in the Site.
siteName	Name of the Site. Can be used alone to Set all Disk Update Devices in the Site.

diskLocatorId                   GUID of the DiskLocator to Set the Disk Update Device for.

or this required & resolution

diskLocatorName                 Name of the DiskLocator to Set the Disk Update Device for.

One of these resolutions when needed

siteId                            GUID of the Site.

siteName                         Name of the Site.

One of these resolutions when needed

storeId                          GUID of the Store that is needed when a diskLocatorName is used.

storeName                        Name of the Store that is needed when a diskLocatorName is used.

-r                                Record containing the new values for fields to be changed.

description                     User description. Default="" Max Length=250

port                             UDP port to use with Stream Service. Min=1025, Max=65534, Default=6901

adTimestamp                     The time the Active Directory machine account password was generated. Do not set this field, it is only set internally by PVS. Default=0

adSignature                     The signature of the Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default=0

logLevel                        Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=0

domainName                     Fully qualified name of the domain that the Device belongs to. Do not set this field, it is only set internally by PVS. Default=null Max Length=255

domainObjectSID                The value of the objectSID AD attribute of the same name for the Device's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=186

domainControllerName          The name of the DC used to create the host's computer account. Do not set this field, it is only set internally by PVS. Default=null Max Length=4000

domainTimeCreated              The time that the computer account was created. Do not set this field, it is only set internally by PVS. Format is: YYYY-MM-DD HH:MM:SS.SSS Default=null

adPassword                    The Active Directory machine account password. Do not set this field, it is only set internally by PVS. Default="" Max Length=256

## Mcli-Set DiskVersion

Set one or more field values for one Disk Version.

-p                            Parameters needed to identify the record to be changed.

This required

diskLocatorId                GUID of the Disk Locator Version to Set.

or this required & resolution

diskLocatorName              Name of the Disk Locator Version to Set.

This required

version                      Version to Set.

One of these resolutions when needed

siteId                        GUID of the Site.

siteName                      Name of the Site.

One of these resolutions when needed

storeId                        GUID of the Store that is needed when a diskLocatorName is used.

storeName                      Name of the Store that is needed when a diskLocatorName is used.

-r                            Record containing the new values for fields to be changed.

description                    User description. Default="" Max Length=250

scheduledDate                 Date/Time that the Disk Version is scheduled to become available. Format is: YYYY-MM-DD HH:MM. When empty, the disk version is made available immediately. Default=null

## Mcli-Set Farm

Set one or more field values for a Farm.

-p                            Parameters needed to identify the record to be changed.

Optional

farmId                        GUID of the Farm to Set. This is optional since there is only one Farm.

-r                            Record containing the new values for fields to be changed.

farmName                        Name of the Farm. Default="" Max Length=50

description                    User description. Default="" Max Length=250

autoAddEnabled	1 when Auto Add is enabled, 0 otherwise. Default=0
auditingEnabled	1 when Auditing is enabled, 0 otherwise. Default=0
lastAuditArchiveDate	Last date of Audit Trail data that was Archived. Format is yyyy/mm/dd Default=null
defaultSiteId	GUID of the Site to place new Devices into automatically. Not used with defaultSiteName. Default=null Length=36
defaultSiteName	Name of the Site to place new Devices into automatically. Not used with defaultSiteId. Default=null
offlineDatabaseSupportEnabled	1 when Offline Database Support is enabled, 0 otherwise. Default=0
licenseServer	License server name. Default="" Max Length=255
licenseServerPort	License server port. Min=1025, Max=65534, Default=27000
licenseTradeUp	License server trade up, when set to 1. Default=0
automaticMergeEnabled	1 when Automatic Merge is enabled, 0 otherwise. If the number of versions becomes more than the maxVersions value, a merge will occur at the end of PromoteDiskVersion. Default=1
maxVersions	Maximum number a versions of a Disk that can exist before a merge will automatically occur. Min=3, Max=50, Default=5
mergeMode	Mode to place the version in after a merge has occurred. Values are: 0 (Production), 1 (Test) and 2 (Maintenance). Min=0, Max=2, Default=2

## Mcli-Set FarmView

Set one or more field values for a Farm View.

-p Parameters needed to identify the record to be changed.

One of these required

farmViewId GUID of the Farm View to Set.

farmViewName Name of the Farm View to Set.

-r Record containing the new values for fields to be changed.

farmViewName name of the Farm View. Max Length=50

description User description. Default="" Max Length=250

## Mcli-Set Server

Set one or more field values for a Server. Restart the Stream Service after setting the fields.

-p Parameters needed to identify the record to be changed.

One of these required

serverId	GUID of the Server to Set.
serverName	Name of the Server to Set.

-r Record containing the new values for fields to be changed.

serverName	Computer name with no spaces. ASCII computer name characters Max Length=21
description	User description. Default="" Max Length=250
adMaxPasswordAge	Number of days before a password expires. Min=1, Max=30, Default=7
licenseTimeout	Amount of seconds before a license times out. Min=15, Max=300, Default=30
vDiskCreatePacing	VDisk create time pacing in miliseconds. Min=0, Max=5, Default=0
firstPort	Number of the first UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6910
lastPort	Number of the last UDP port for use by the Stream Service, First and Last must allow at least 5 ports. Min=1025, Max=65534, Default=6930
threadsPerPort	Number of worker threads per IO port. Required that (threadPerPort * numberPorts * numberIPs) <= 1000. Min=1, Max=60, Default=8
buffersPerThread	Number of buffers per worker thread. Min=1, Max=128, Default=24
serverCacheTimeout	Number of seconds to wait before considering another Server is down. Min=5, Max=60, Default=8
ioBurstSize	Number of bytes read/writes can send in a burst of packets. Required that $ioBurstSize / (maxTransmissionUnits - 76) \leq 32$ . Min=4096, Max=61440, Default=32768
maxTransmissionUnits	Ethernet maximum transmission unit size for the protocol for use for Server and Device. Required that $ioBurstSize / (maxTransmissionUnits - 76) \leq 32$ . Min=502, Max=16426, Default=1506
maxBootDevicesAllowed	Maximum number of Devices allowed to boot simultaneously. Min=1, Max=1000, Default=500

maxBootSeconds	Maximum number of seconds for a Device to boot. Min=10, Max=900, Default=60
bootPauseSeconds	Number of seconds that a Device will pause during login if its server busy. Min=1, Max=60, Default=10
adMaxPasswordAgeEnabled	Age the password, when set to 1. Default=0
eventLoggingEnabled	Enable event logging, when set to 1. Default=0
nonBlockingIoEnabled	Use non-Blocking IO, when set to 1. Default=1
ip	One or more streaming ip addresses. If more than one ip is included, the ip addresses are comma delimited.
initialQueryConnectionPoolSize	Initial size of database connection pool for non-transactional queries. Min=1, Max=1000, Default=50
initialTransactionConnectionPoolSize	Initial size of database connection pool for transactional queries. Min=1, Max=1000, Default=50
maxQueryConnectionPoolSize	Maximum size of database connection pool for non-transactional queries. Min=1, Max=32767, Default=1000
maxTransactionConnectionPoolSize	Maximum size of database connection pool for transactional queries. Min=1, Max=32767, Default=1000
refreshInterval	Interval, in number of seconds, the server should wait before refreshing settings. If set to 0, unused database connections are never released. Min=0, Max=32767, Default=300
unusedDbConnectionTimeout	Interval, in number of seconds, a connection should go unused before it is to be released. Min=0, Max=32767, Default=300
busyDbConnectionRetryCount	Number of times a failed database connection will be retried. Min=0, Max=32767, Default=2
busyDbConnectionRetryInterval	Interval, in number of milliseconds, the server should wait before retrying to connect to a database. Min=0, Max=10000, Default=25
localConcurrentIoLimit	Maximum concurrent IO transactions it performs for vDisks that are local. A value of 0 disables the feature. Min=0, Max=128, Default=4
remoteConcurrentIoLimit	Maximum concurrent IO transactions it performs for vDisks that are remote. A value of 0 disables the feature. Min=0, Max=128, Default=4

logLevel	Level to perform logging at. Values are: 0 (None), 1 (Fatal), 2 (Error), 3 (Warning), 4 (Info), 5 (Debug), and 6 (Trace). Min=0, Max=6, Default=4
logFileSizeMax	Maximum size log files can reach in Megabytes. Min=1, Max=50, Default=5
logFileBackupCopiesMax	Maximum number of log file backups. Min=1, Max=50, Default=4
powerRating	A strictly relative rating of this Server's capabilities when compared to other Servers in the Store(s) it belongs too; can be used to help tune load balancing. Min=0.1, Max=1000, Default=1
lastCeipUploadAttempt	Time that this server last attempted a CEIP upload. Default=null
lastBugReportAttempt	Time that this server last attempted to upload or generate a bug report bundle. Default=null
lastBugReportStatus	Status of the last bug report on this server. Default=null Max Length=250
lastBugReportResult	Status of the last bug report on this server. Default=null Max Length=4000
lastBugReportSummary	Summary of the last bug report on this server. Default=null Max Length=250

## Mcli-Set ServerBiosBootstrap

Oem Only: Set the bootstrap fields for the Server dell\_bios.bin BIOS bootstrap file.

-p	Parameters needed to identify the record to be changed.
One of these required	
serverId	GUID of the Server to Set the dell_bios.bin BIOS bootstrap file.
serverName	Name of the Server to Set the dell_bios.bin BIOS bootstrap file.
-r	Record containing the new values for fields to be changed.
enabled	Automatically update the BIOS on the target device with these setting when set to 1, otherwise do not use these settings. Default=0
dhcpEnabled	Use DHCP to retrieve target device IP when set to 1, otherwise use the static domain, dnsIpAddress1 and dnsIpAddress2 settings. Default=1
lookup	Use DNS to find the Server when set to 1 with the serverName host value, otherwise

use the bootserver1\_Ip, bootserver1\_Port, bootserver2\_Ip, bootserver2\_Port, bootserver3\_Ip, bootserver3\_Port, bootserver4\_Ip, and bootserver4\_Port settings. Default=1

verboseMode Display verbose diagnostic information when set to 1. Default=0

interruptSafeMode Interrupt safe mode (use if target device hangs during boot) when set to 1. Default=0

paeMode PAE mode (use if PAE enabled in boot.ini of target device) when set to 1. Default=0

bootFromHdOnFail For network recovery reboot to hard drive when set to 1, restore network connection when set to 0. Default=0

recoveryTime When bootFromHdOnFail is 1, this is the number of seconds to wait before reboot to hard drive. Min=10, Max=60000, Default=50

pollingTimeout Login polling timeout in milliseconds. Min=1000, Max=60000, Default=5000

generalTimeout Login general timeout in milliseconds. Min=1000, Max=60000, Default=5000

serverName Host to use for DNS lookup. Only used when lookup is 1. Default=IMAGESERVER1

bootserver1\_Ip 1st boot server IP. Only used when lookup is 0.

bootserver1\_Port 1st boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910

bootserver2\_Ip 2nd boot server IP. Only used when lookup is 0. Default=0.0.0.0

bootserver2\_Port 2nd boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910

bootserver3\_Ip 3rd boot server IP. Only used when lookup is 0. Default=0.0.0.0

bootserver3\_Port 3rd boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910

bootserver4\_Ip 4th boot server IP. Only used when lookup is 0. Default=0.0.0.0

bootserver4\_Port 4th boot server port. Only used when lookup is 0. Min=1025, Max=65536, Default=6910

domain Domain of the primary and secondary DNS servers. Only used when dhcpEnabled is 0.

dnsIpAddress1 Primary DNS server IP. Only used when dhcpEnabled is 0.

dnsIpAddress2 Secondary DNS server IP. Only used when dhcpEnabled is 0.

## Mcli-Set ServerBootstrap

Set the bootstrap fields for the Server and named bootstrap file specified.

-p	Parameters needed to identify the record to be changed.
One of these required	
serverId	GUID of the Server to Set the named bootstrap file on.
serverName	Name of the Server to Set the named bootstrap file on.
This required	
name	Name of the bootstrap file.
-r	Record containing the new values for fields to be changed.
bootserver1_Ip	1st boot server IP.
bootserver1_Netmask	1st boot server netmask. Default=0.0.0.0
bootserver1_Gateway	1st boot server gateway. Default=0.0.0.0
bootserver1_Port	1st boot server port. Min=1025, Max=65536, Default=6910
bootserver2_Ip	2nd boot server IP. Default=0.0.0.0
bootserver2_Netmask	2nd boot server netmask. Default=0.0.0.0
bootserver2_Gateway	2nd boot server gateway. Default=0.0.0.0
bootserver2_Port	2nd boot server port. Min=1025, Max=65536, Default=6910
bootserver3_Ip	3rd boot server IP. Default=0.0.0.0
bootserver3_Netmask	3rd boot server netmask. Default=0.0.0.0
bootserver3_Gateway	3rd boot server gateway. Default=0.0.0.0
bootserver3_Port	3rd boot server port. Min=1025, Max=65536, Default=6910
bootserver4_Ip	4th boot server IP. Default=0.0.0.0
bootserver4_Netmask	4th boot server netmask. Default=0.0.0.0
bootserver4_Gateway	4th boot server gateway. Default=0.0.0.0
bootserver4_Port	4th boot server port. Min=1025, Max=65536, Default=6910
verboseMode	Display verbose diagnostic information when set to 1. Default=0
interruptSafeMode	Interrupt safe mode (use if target device hangs during boot) when set to 1. Default=0
paeMode	PAE mode (use if PAE enabled in boot.ini of target device) when set to 1. Default=0
bootFromHdOnFail	For network recovery reboot to hard drive when set to 1, restore network connection when set to 0. Default=0

recoveryTime	When bootFromHdOnFail is 1, this is the number of seconds to wait before reboot to hard drive. Min=10, Max=60000, Default=50
pollingTimeout	Login polling timeout in milliseconds. Min=1000, Max=60000, Default=5000
generalTimeout	Login general timeout in milliseconds. Min=1000, Max=60000, Default=5000

## Mcli-Set ServerStore

Set the directory path and cache paths of a Server for a Store.

-p	Parameters needed to identify the record to be changed.
One of these required	
serverId	GUID of a Server that uses the path to get to the Store.
serverName	Name of a Server that uses the path to get to the Store.
One of these required	
storeId	GUID of the Store.
storeName	Name of the Store.
-r	Record containing the new values for fields to be changed.
path	Directory path that the Server uses to access the Store. Default="" Max Length=255
cachePath	Cache path(s) that the Server uses with the Store. It is an ordered comma-delimited list. If none are specified the caches will be placed in the Store cachePath. Default=None

## Mcli-Set Site

Set one or more field values for a Site.

-p	Parameters needed to identify the record to be changed.
One of these required	
siteId	GUID of the Site to Set.
siteName	Name of the Site to Set.
-r	Record containing the new values for fields to be changed.
siteName	Name of the Site. Max Length=50
description	User description. Default="" Max Length=250
defaultCollectionId	GUID of the Collection to place new Devices into automatically. Not used with

	defaultCollectionName. Default=null Length=36
defaultCollectionName	Name of the Collection to place new Devices into automatically. Not used with defaultCollectionId. Default=null
inventoryFilePollingInterval	The number of seconds between polls for Disk changes in the Stores. Min=1, Max=600, Default=60
enableDiskUpdate	1 when Disk Updated is enabled for the Site, 0 otherwise. Default=0
diskUpdateServerId	GUID of the Disk Update Server for the Site. Not used with diskUpdateServerName. Default=null Length=36
diskUpdateServerName	Name of the Disk Update Server for the Site. Not used with diskUpdateServerId. Default=null
makUser	User name used for MAK activation. Default=null Max Length=64
makPassword	User password used for MAK activation. Default=null Max Length=64
enableXsProxy	Enable XenServerProxy when set to 1 Default=null
virtualHostingPoolId	GUID of the VirtualHostingPool object.
virtualHostingPoolName	Name of the VirtualHostingPool object.
xsPvsSiteUuid	GUID of the XenServer PVS Site.

## Mcli-Set SiteView

Set one or more field values for a Site View.

-p Parameters needed to identify the record to be changed.

This required

siteViewId GUID of the Site View to Set.

or this required & resolution

siteViewName Name of the Site View to Set.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

-r Record containing the new values for fields to be changed.

siteViewName Name of the Site View. Max Length=50

description User description. Default="" Max Length=250

## Mcli-Set Store

Set one or more field values for a Store.

-p Parameters needed to identify the record to be changed.

One of these required

storeId GUID of the Store to Set.

storeName Name of the Store to Set.

-r Record containing the new values for fields to be changed.

storeName Name of the Store. Max Length=50

siteId GUID of the Site where Administrators of that Site can change this Store. Not used for Farm Stores. siteName can be used instead. Default=null Length=36

siteName Name of the Site where Administrators of that Site can change this Store. Not used for Farm Stores. siteId can be used instead. Default=null

description User description. Default="" Max Length=250

path Default directory path that the Servers use to access this Store. Max Length=255

cachePath Default Cache path(s) that the Servers use with this Store. It is an ordered comma-delimited list. If none are specified the caches will be placed in the WriteCache subdirectory of the Store path. Default=None

## Mcli-Set UpdateTask

Set one or more field values for an Update Task.

-p Parameters needed to identify the record to be changed.

This required

updateTaskId GUID of the Update Task to Set.

or this required & resolution

updateTaskName Name of the Update Task to Set.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

-r Record containing the new values for fields to be changed.

updateTaskName Name of the Update Task. It is unique within the Site. Max Length=50

description User description. Default="" Max Length=250

enabled	1 when it will be processed, 0 otherwise. Default=1
hour	The hour of the day to perform the task. Min=0, Max=23, Default=0
minute	The minute of the hour to perform the task. Min=0, Max=59, Default=0
recurrence	The update will reoccur on this schedule. 0 = None, 1 = Daily, 2 = Every Weekday, 3 = Weekly, 4 = Monthly Date, 5 = Monthly Type. Min=0, Max=5, Default=0
dayMask	Days selected values. 1 = Monday, 2 = Tuesday, 4 = Wednesday, 8 = Thursday, 16 = Friday, 32 = Saturday, 64 = Sunday, 128 = Day. Default=0. This is used with Weekly and Monthly Type recurrence. Min=1, Max=255, Default=4
date	Comma delimited days of the month. Numbers from 1-31 are the only valid values. This is used with Monthly Date recurrence. Default="" Max Length=83
monthlyOffset	When to happen monthly. 0 = None, 1 = First, 2 = Second, 3 = Third, 4 = Forth, 5 = Last. This is used with Monthly Type recurrence. Min=0, Max=5, Default=3
esdType	Esd to use. Valid values are SCCM or WSUS. If no value, a custom script is run on the client. Default=null Max Length=50
preUpdateScript	Script file to run before the update starts. Default=null Max Length=255
preVmScript	Script file to run before the VM is loaded. Default=null Max Length=255
postUpdateScript	Script file to run after the update finishes. Default=null Max Length=255
postVmScript	Script file to run after the VM is unloaded. Default=null Max Length=255
domain	Domain to add the Disk Update Device(s) to. If not included, the first Domain Controller found on the Server is used. Default=null Max Length=255
organizationUnit	Organizational Unit to add the Disk Update Device(s) to. This parameter is optional. If it is not specified, the device is added to the built in Computers container. Child OU's should be delimited with forward slashes, e.g. "ParentOU/ChildOU". Special characters in an OU name, such as '"', '#', '+', ',', ';', '>', '=', must be escaped with a backslash. For example, an OU called "commaIn,TheMiddle" must be specified as "commaIn\,TheMiddle". The old syntax of

delimiting child OU's with a comma is still supported, but deprecated. Note that in this case, the child OU comes first, e.g. "ChildOU,ParentOU". Default=null Max Length=255

postUpdateApprove Access to place the version in after the update has occurred. 0 = Production, 1 = Test, 2 = Maintenance. Min=0, Max=2, Default=0

## Mcli-Set VirtualHostingPool

Set one or more field values for a Virtual Hosting Pool.

-p Parameters needed to identify the record to be changed.

This required

virtualHostingPoolId GUID of the Virtual Hosting Pool to Set.

or this required & resolution

virtualHostingPoolName Name of the Virtual Hosting Pool to Set.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

-r Record containing the new values for fields to be changed.

virtualHostingPoolName Name of the Virtual Hosting Pool. It is unique within the Site. Max Length=50

type Type of the Virtual Hosting Pool. 0 = Citrix XenServer, 1 = Microsoft SCVMM/Hyper-V, 2 = VMWare vSphere/ESX. Min=0, Max=3, Default=0

description User description. Default="" Max Length=250

server Name or IP of the Host Server. Max Length=255

port Port of the Host Server. Min=80, Max=65534, Default=80

datacenter Datacenter of the Virtual Hosting Pool. Default="" Max Length=250

updateLimit Number of updates at the same time. Min=2, Max=1000, Default=1000

updateTimeout Timeout for updates. Min=2, Max=240, Default=60

shutdownTimeout Timeout for shutdown. Min=2, Max=30, Default=10

userName Name to use when logging into the Server.

password Password to use when logging into the Server.

xdHostingUnitUuid	UUID of XenDesktop Hosting Unit Default=null Length=36
prepopulateEnabled	Enable prepopulate when set to 1 Default=0
xsPvsSiteUuid	UUID of XenServer PVS_site Default=null Length=36
platformVersion	Hypervisor Host Version Default=null Max Length=250
xdHcHypervisorConnectionName	Hypervisor Connection Name for HCL Connection Details object Default=null Max Length=250
xdHcHypervisorConnectionUid	Hypervisor Connection Uid for HCL Connection Details object Default=null Max Length=250
xdHcRevision	Revision for HCL Connection Details object Default=null Max Length=250
xdHcCustomProperties	Custom Properties for HCL Connection Details object Default=null Max Length=250
xdHcSslThumbprints	Ssl Thumbprints for HCL Connection Details object Default=null Max Length=250
disableHostXsProxy	True to disable PVS-Accelerator Default=null

## Mcli-Set XDSite

Set the configServices field value for a XenDesktop Site.

-p	Parameters needed to identify the record to be changed.
This required	
xdSiteId	GUID of the XenDesktop Site to Set.
-r	Record containing the new values for fields to be changed.
configServices	Comma delimited list of XenDesktop Server addresses. Max Length=2000

## Mcli-SetList

```
Mcli-SetList commandName[ -p name=value[, name2=value2]][ -r
record1field=value[, record1field2=value2][, record2field=value[,
record2field2=value2]]]
```

## Mcli-SetList DeviceBootstraps

Set the Bootstrap Files for a Device.

-p	Parameters needed to identify the record to be changed.
One of these required	
deviceId	GUID of the Device.
deviceName	Name of the Device.

deviceMac	MAC of the Device.
-r	Records with fields to set.
bootstrap	Name of the bootstrap file. Max Length=259
menuText	Text that is displayed in the Boot Menu. If this field has no value, the bootstrap value is used. Default="" ASCII Max Length=64

## Mcli-SetList DeviceCustomProperty

Set the Device Custom Property names and values.

-p	Parameters needed to identify the record to be changed.
----	---------------------------------------------------------

One of these required

deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.
-r	Records with fields to set.
name	Name of the Device custom property. Max Length=250
value	Value of the Device custom property. Max Length=1000

## Mcli-SetList DeviceDiskPrinters

Set one or more Printer settings. Only the changed items need to be passed. To remove a Printer, set it as disabled.

-p	Parameters needed to identify the record to be changed.
----	---------------------------------------------------------

One of these required

deviceId	GUID of the Device.
deviceName	Name of the Device.
deviceMac	MAC of the Device.

This required

diskLocatorId	GUID of the Disk Locator.
---------------	---------------------------

or this required & resolution

diskLocatorName	Name of the Disk Locator File.
-----------------	--------------------------------

One of these resolutions when needed

storeId	GUID of the Store that is needed when a diskLocatorName is used.
storeName	Name of the Store that is needed when a diskLocatorName is used.

-r	Records with fields to set.
name	Name of the Printer. Must come from the list of Printers available on the Disk.

state Valid states are 1 (enabled network), 2 (enabled local), or 3 (default). 0 (disabled) can be used when setting a Printer that used to be 1 or 2 to 0. The list of all Printers available come from the Disk. Min=0, Max=3

## Mcli-SetList DevicePersonality

Set the Device Personality names and values.

-p Parameters needed to identify the record to be changed.

One of these required

deviceId GUID of the Device.

deviceName Name of the Device.

deviceMac MAC of the Device.

-r Records with fields to set.

name Name of the Device personality item. Max Length=250

value Value for the Device personality item. Max Length=1000

## Mcli-SetList DiskLocatorCustomProperty

Set the DiskLocator Custom Property names and values.

-p Parameters needed to identify the record to be changed.

This required

diskLocatorId GUID of the Disk Locator.

or this required & resolution

diskLocatorName Name of the Disk Locator.

One of these resolutions when needed

siteId GUID of the Site.

siteName Name of the Site.

One of these resolutions when needed

storeId GUID of the Store that is needed when a diskLocatorName is used.

storeName Name of the Store that is needed when a diskLocatorName is used.

-r Records with fields to set.

name Name of the DiskLocator custom property. Max Length=250

value Value of the DiskLocator custom property. Max Length=1000

## Mcli-SetList ServerCustomProperty

Set the Server Custom Property names and values.

-p Parameters needed to identify the record to be changed.

One of these required

serverId GUID of the Server.

serverName Name of the Server.

-r Records with fields to set.

name Name of the Server custom property. Max Length=250

value Value of the Server custom property. Max Length=1000