



## XenServer 7.1 Licensing FAQ

December 2018

### Summary

This article contains frequently asked questions about XenServer 7.1 licensing.

XenServer 7.1 is available in two commercial editions:

- Standard
- Enterprise

The **Standard** edition is our entry-level commercial offering, with a range of features that will suit the needs of those customers who want a robust and high performing virtualization platform, but do not require the premium features offered by the Enterprise edition; while still wishing to benefit from the assurance of comprehensive Citrix Support and Maintenance.

The **Enterprise** edition is our premium offering, optimized for desktop, server and cloud workloads. In addition to the Standard edition, the Enterprise edition offers the following features:

- Automated Windows VM Driver Updates
- Automatic updating of the Management Agent
- Support for SMB storage
- Direct Inspect APIs
- Dynamic Workload Balancing
- GPU Virtualization with NVIDIA GRID and Intel GVT-g
- VMware vSphere to XenServer Conversion utilities
- Intel Secure Measured Boot (TXT)
- Export Pool Resource Data
- In-memory Read Caching
- PVS-Accelerator
- Automated Updates using XenCenter
- XenServer Live Patching

Customers who have purchased XenApp or XenDesktop continue to have an entitlement to XenServer, which includes all the features listed above. Note that in XenServer 7.1, all XenApp / XenDesktop customers are able to use the In-memory Read Caching feature (previously available to Platinum customers only).

XenServer uses the same licensing process as other Citrix products, and as such requires a valid license to be installed on a License Server. You can download the License Server from [Citrix Licensing](#). XenServer (other than through the XenApp/XenDesktop licenses) is licensed on a *per-socket* basis. Allocation of licenses is managed centrally and enforced by a standalone Citrix License Server, physical or virtual, in the environment. After applying a per-socket license, XenServer will display as *Citrix XenServer Per-Socket Edition*.

**Note:** Mixed pools of licensed and unlicensed hosts will behave as if all hosts were unlicensed.

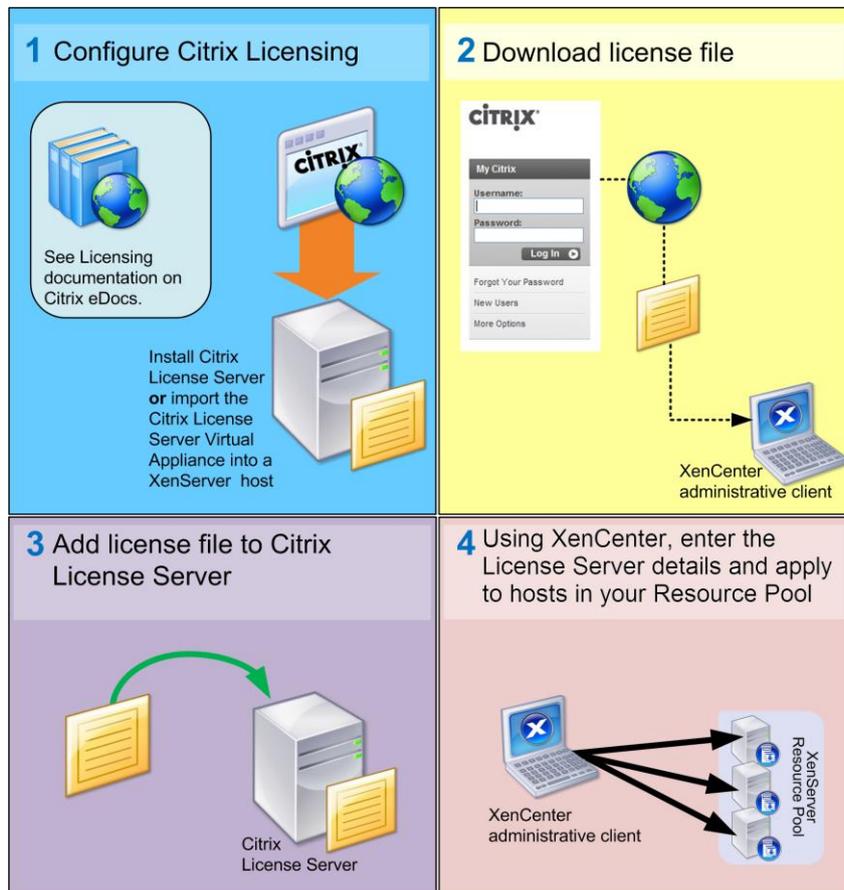
## Contents

- Licensing Steps Overview
- Licensing XenServer
- Citrix License Servers
- Licensing a XenServer Pool
- Other Questions

## Licensing Steps Overview

You need the following items to license XenServer:

- A XenServer License
- A Citrix License Server
- A XenServer host
- XenCenter



## Licensing XenServer

### Q: Where can I purchase a XenServer License?

A: You can purchase a XenServer License from <http://citrix.com/buy>.

### Q: How do I apply a XenServer License?

A: XenServer requires a License Server. After licensing XenServer you will be provided with a .LIC license key. This license key should be installed on either:

- a. A Windows server running the Citrix License Server software  
or
- b. The Citrix License Server Virtual Appliance.

When you assign a license to a XenServer host, XenServer contacts the specified Citrix License Server and requests a license for the specified server(s). If successful, a license will be checked out and the License Manager displays information about the license the hosts are licensed under.

For instructions on applying a XenServer license to a Citrix License Server Virtual Appliance, see [CTX200159 – How to Apply a XenServer License File to Citrix License Server Virtual Appliance \(CLSVA\)](#).

**Q: How many licenses do I need to license my resource pool?**

A: XenServer is licensed on a *per-CPU socket* basis. For a pool to be considered licensed, all XenServer hosts in the pool must be licensed. XenServer only counts populated CPU sockets. Customers can use the Citrix License Server to view the number of available licenses displayed in the *License Administration Console Dashboard*.

**Q: Will I lose my Virtual Machine (VM) if my license expires?**

A: No, you will not lose any VMs or their data.

**Q: What happens if I have a licensed pool and the License Server becomes unavailable?**

A: If a XenServer installation has previously been licensed, the license has not expired and yet the License Server is unavailable, then customers will receive a *grace* period of 30 days at the licensing level that was applied previously.

**Q: I am upgrading to XenServer 7.1 from a previous XenServer version with a per-socket license, that is, XenServer 7.0, XenServer 6.5 (SP1) or 6.2 (SP1); do I have to do anything?**

A: No. Customers will be able to upgrade their hosts to XenServer 7.1 Enterprise edition using the previously purchased per-socket licenses, provided the subscription advantage is valid at least until the release date of XenServer 7.1, that is, 23 February 2017.

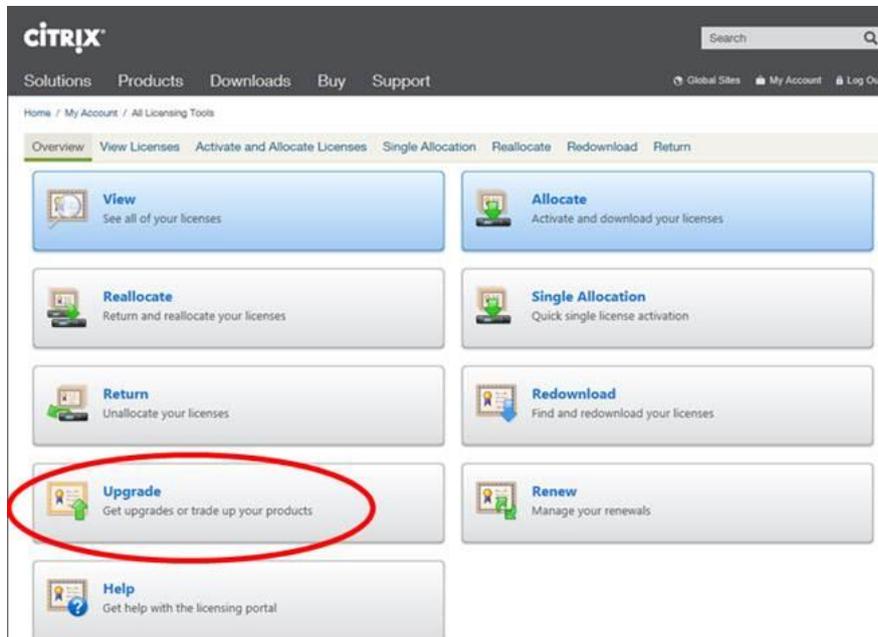
Customers who have renewed their subscription advantage subsequent to the original purchase may need to refresh the license file on the license server to ensure it displays the subscription advantage eligibility.

**Q: I am upgrading from XenServer 7.0 unlicensed edition to XenServer 7.1; do I have to do anything?**

A: No. Customers will be able to upgrade their hosts to XenServer 7.1. Please note that customers will remain ineligible for support and premium features will be inaccessible until an appropriate license is applied.

**Q: I am a Citrix Virtual Apps and Desktops (formerly Citrix XenApp and XenDesktop) customer upgrading from XenServer 7.0 to XenServer 7.1; do I have to do anything?**

A: No. Citrix Virtual Apps and Desktops customers will be able to upgrade to XenServer 7.1 seamlessly; their existing installed Citrix Virtual Apps or Citrix Virtual Desktops license will grant them entitlement to XenServer without requiring any other changes.



**Q: What are the constraints on the use of the XenServer Enterprise Edition advanced virtualization management capabilities delivered as part of Citrix Virtual Apps and Desktops (formerly Citrix XenApp and XenDesktop)?**

A: Every edition of Citrix Virtual Apps and Desktops has access to XenServer Enterprise Edition advanced virtualization management features, with a few features only being accessible by the Platinum editions of Citrix Virtual Apps or Citrix Virtual XenDesktop. A complete list of all features enabled by a Citrix Virtual Apps or Citrix Virtual Desktops license can be found in the [XenServer Feature Matrix](#).

Use of the XenServer entitlements permits virtualization of any and all infrastructure required to deliver Citrix Virtual Apps or Citrix Virtual Desktop feature components accessed exclusively by Citrix Virtual Apps or Citrix Virtual Desktop licensed users or devices.

Additional infrastructure support servers, such as Microsoft domain controllers and SQL servers are also covered by this entitlement, providing they are deployed in the same Citrix XenServer resource pool as the Citrix Virtual Apps or Citrix Virtual Desktops infrastructure covered by this license, and providing those support servers are used to support the Citrix Virtual Apps or Citrix Virtual Desktops infrastructure only.

The Citrix XenServer entitlement contained within the Citrix Virtual Apps or Citrix Virtual Desktops license may not be used for Citrix XenServer resource pools that do not host Citrix Virtual Apps or Citrix Virtual Desktops infrastructure or Virtual Deliver Agents (VDAs), or for hosting virtual machines not covered by the permissions above. Citrix XenServer must be purchased separately for these uses.

**Q: I am customer with a Citrix Virtual Apps and Desktops service subscription; am I entitled to use XenServer 7.1 LTSR Cumulative Update (CU) 2?**

A: Yes. If you have a Citrix Virtual Apps and Desktops service subscription that enables the use of on-premises Desktops and Apps, you are entitled to use XenServer for hosting these Desktops and Apps. Download a license through the licensing management tool. Install this license on your License Server to use on-premises XenServer with your Virtual Apps and Desktops service subscription.

With this license you can use all of the same premium features as with an on-premises a Citrix Virtual Apps and Desktops entitlement. To apply this license to your pools, first upgrade all hosts within the pool to run XenServer 7.1 CU 2.

**Q: I am using a release from the XenServer LTSR stream; can I apply a Cumulative Update?**

A: Cumulative Updates for releases in the XenServer LTSR stream are available only to customers with Customer Success Services (CSS). To become a CSS customer, contact your local Citrix Solution Advisor or contact the Sales department; they can help determine which program is right for you.

## Citrix License Servers

**Q: Which License Servers can I use with XenServer?**

A: You can either use the Citrix License Server software version 11.13.1.2 or later (on a server running Microsoft Windows), or the Linux-based Citrix License Server virtual appliance.

**Note:** If you wish to use the PVS-Accelerator feature, you must upgrade the License Server to 11.14 or later.

**Q: Can I use an existing Citrix License Server for XenServer?**

A: Yes. If your License Server is running version 11.13.1.2 or later, it will be compatible with XenServer. You must ensure that the License Server is running version 11.13.1.2 or later.

**Note:** If you wish to use the PVS-Accelerator feature, you must upgrade the License Server to 11.14 or later.

**Q: How do import my license onto the Citrix License Server?**

A: For information on importing a license file, see [Import license files](#) on the Citrix Product Documentation website.

**Q: Can I run the License Server on my XenServer pool?**

A: Yes. You can install the Citrix License Server software on a Windows VM or import the Linux-based Citrix License Server virtual appliance. For ease of deployment, the Citrix License Server software is pre-installed on this virtual appliance, and it can run as a VM in your XenServer pool.

XenServer operates with a 'grace' license until the License Server is able to boot. This means, after you have licensed the XenServer hosts in your pool, and you reboot the host that has the Citrix License Server running on it, a grace period will be applied to that host until the appliance is restarted.

**Q: Can I use the Windows version of the Citrix License Server with XenServer?**

A: Yes.

**Q: Can I install Licenses for other Citrix products on a Citrix License Server virtual appliance, or on the Citrix License Server software installed on Windows.**

A: Yes, you can license other Citrix products using the Citrix License Server virtual appliance or through the Citrix License Server software installed on Windows. For more information, see [Licensing](#) on the [Citrix Product Documentation](#) website.

## Licensing a XenServer Pool

**Q: How do I apply a license to all the hosts using XenCenter?**

A: Follow this procedure to apply a license:

1. On the **Tools** menu, click **License Manager**.
2. Select the Pool or Hosts you would like to license, and then click **Assign License**.
3. In the **Apply License** dialog, specify the **Edition** type you want to assign to the host, and enter the hostname or IP address of the License Server

**Q: Can I apply a license without using XenCenter?**

A: Yes, you can use the xe CLI. Run the host-apply-edition command. For example, enter the following to license a host:

```
xe host-apply-edition edition=enterprise-per-socket|desktop-
plus|desktop|standard-per-socket\
license-server-address=<license_server_address> host-uuid=<uuid_of_host>
\
license-server-port=<license_server_port>
```

To license a pool, use the pool-apply-edition command. For example:

```
xe pool-apply-edition edition=enterprise-per-socket|desktop-
plus|desktop|standard-per-socket\
license-server-address=<license_server_address> pool-uuid=<uuid_of_pool>
\
license-server-port=<license_server_port>
```

## Other Questions

**Q: How do I get a license to evaluate XenServer?**

A: You do not need a license to evaluate XenServer. You can use XenServer in an unlicensed state; however, you will not have access to premium features. In addition, you will not be eligible for Citrix Support or maintenance.

You can get a trial license to try the Enterprise edition features. For more information, see [Getting started with XenServer](#).

### More information

- For more information about the XenServer 7.1 release, refer to [XenServer 7.1 Release Notes](#).
- For more information about the XenServer 7.1 Cumulative Update 1 release, refer to [XenServer 7.1 CU2 Release Notes](#).
- To access XenServer 7.1 product documentation, see [XenServer 7.1 Product Documentation](#).
- For frequently asked questions about XenServer, refer to [XenServer 7.1 Technical FAQ](#).
- For instructions on applying a XenServer license to a Citrix License Server Virtual Appliance, see [CTX200159 – How to Apply a XenServer License File to Citrix License Server Virtual Appliance \(CLSVA\)](#).
- Raise any non-technical issues with XenServer including, Customer Success Services program support, licensing, administrative support, and order confirmation through [Citrix Customer Service](#).

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