



Receiver for HTML5 1.0

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Receiver for HTML5 1.0

Citrix Receiver for HTML5 enables users to access desktops and applications provided by XenDesktop, XenApp, and AppController through HTML5-compatible Web browsers without needing to install Citrix clients on their devices.

The topics in this section provide information about deploying Receiver for HTML5. Readers are assumed to have some knowledge of StoreFront.

About Receiver for HTML5 1.0	System Requirements for Receiver for HTML5 1.0
Receiver for HTML5 User Experience	Installing and Configuring Receiver for HTML5

About Receiver for HTML5 1.0

Receiver for HTML5 integrates with Access Gateway and StoreFront to enable users to access desktops and applications directly through their Web browsers. Resources provided by XenDesktop, XenApp, and AppController are aggregated in a StoreFront store and made available through a Receiver for Web site. Users without Citrix clients installed on their devices log on to the site using HTML5-compatible Web browsers and their desktops and applications are accessed directly in browser tabs.

Known Issues

The following is a list of known issues in this release. **Read it carefully before installing the product.**

SSL Relay support requires connections through Access Gateway

Users cannot connect to applications provided by XenApp deployments that include the SSL Relay without using Access Gateway. To work around this issue, ensure that all users, including users on the local network, connect to the Receiver for Web site through Access Gateway. [#289816]

Limitations

Receiver for HTML5 does not support client drive mapping. [#289827]

System Requirements for Receiver for HTML5 1.0

This topic lists the supported Citrix product versions for Receiver for HTML5 and the requirements for users to access desktops and applications. It is assumed that all computers meet the minimum hardware requirements for the installed operating system.

User Device Requirements

To use Receiver for HTML5, users require devices running the following Web browsers and operating systems. Users must not install Citrix Receiver or the Online Plug-in.

Browsers

- Google Chrome 19
- Mozilla Firefox 11

Operating Systems

- Windows 7 64-bit Editions with Service Pack 1
- Windows 7 32-bit Editions with Service Pack 1
- Windows Vista 64-bit Editions with Service Pack 2
- Windows Vista 32-bit Editions with Service Pack 2
- Windows XP Professional x64 Edition with Service Pack 2
- Windows XP Professional with Service Pack 3
- Mac OS X 10.7 Lion
- Mac OS X 10.6 Snow Leopard
- Google Chrome OS 19

Citrix Server Requirements

Receiver for HTML5 supports access to desktops and applications provided by XenDesktop, XenApp, and AppController through Citrix StoreFront 1.2. Stores must be accessed through Receiver for Web sites. Receiver for HTML5 does not support direct access to StoreFront stores, either by connecting to the store or by using the XenApp Services URL.

Local Network Connections

For users on the local network, Receiver for HTML5 supports access to applications provided by Citrix XenApp 6.5, with Feature Pack 1, for Microsoft Windows Server 2008 R2.

Connections Through Access Gateway

Citrix Access Gateway 10 is required to enable user access through Receiver for HTML5 to desktops and applications provided by the following product versions.

- AppController
 - Citrix AppController 2.0
 - Citrix AppController 1.1
 - Citrix AppController 1.0
- XenDesktop
 - Citrix XenDesktop 5.6
 - Citrix XenDesktop 5.5
- XenApp
 - Citrix XenApp 6.5 for Microsoft Windows Server 2008 R2
 - Citrix XenApp 6.0 for Microsoft Windows Server 2008 R2
 - Citrix XenApp 5.0, with Feature Pack 3, for Microsoft Windows Server 2008 x64 Edition
 - Citrix XenApp 5.0, with Feature Pack 3, for Microsoft Windows Server 2008
 - Citrix XenApp 5.0, with Feature Pack 3, for Microsoft Windows Server 2003 x64 Edition
 - Citrix XenApp 5.0, with Feature Pack 3, for Microsoft Windows Server 2003
 - Citrix XenApp 5.0, with Feature Pack 2, for Microsoft Windows Server 2008 x64 Edition
 - Citrix XenApp 5.0, with Feature Pack 2, for Microsoft Windows Server 2008
 - Citrix XenApp 5.0, with Feature Pack 2, for Microsoft Windows Server 2003 x64 Edition
 - Citrix XenApp 5.0, with Feature Pack 2, for Microsoft Windows Server 2003
 - Citrix XenApp 5.0, with Feature Pack 1, for Microsoft Windows Server 2003 x64 Edition
 - Citrix XenApp 5.0, with Feature Pack 1, for Microsoft Windows Server 2003
 - Citrix XenApp 5.0 for Microsoft Windows Server 2008 x64 Edition
 - Citrix XenApp 5.0 for Microsoft Windows Server 2008
 - Citrix XenApp 5.0 for Microsoft Windows Server 2003 x64 Edition

System Requirements

- Citrix XenApp 5.0 for Microsoft Windows Server 2003

Installing and Configuring Receiver for HTML5

A StoreFront store with a Receiver for Web site is required to make desktops and applications provided by XenDesktop, XenApp, and AppController available for Receiver for HTML5 users. If you have not already done so, deploy StoreFront and create a store aggregating the resources you want to make available to your users. A Receiver for Web site is created automatically for the new store. For more information about creating and configuring stores and Receiver for Web sites, see the [StoreFront](#) documentation.

Ensure that you configure remote access through Access Gateway when you [create the store](#). Users must connect to Receiver for Web sites through Access Gateway to access desktops provided by XenDesktop, Web and SaaS applications provided by AppController, and applications provided by most supported versions of XenApp. For more information, see [System Requirements for Receiver for HTML5 1.0](#).

Important: If you are using SecureICA to encrypt communications between users' devices and your XenDesktop or XenApp servers, note that Receiver for HTML5 supports Basic encryption only. For more information about configuring SecureICA for XenDesktop and XenApp, see [To secure desktop groups](#) and [To set a policy for ICA encryption](#), respectively.

To configure XenApp 6.5 with Feature Pack 1 for local user access

If you plan to enable access for local Receiver for HTML5 users to applications provided by XenApp 6.5 with Feature Pack 1 without routing connections through Access Gateway, you must configure the **ICA WebSockets Connections** policy on the XenApp server. For more information about configuring XenApp policies, see [Working with Citrix Policies](#).

1. On your XenApp 6.5 server, install XenApp 6.5 Hotfix Rollup Pack 1 (included with XenApp 6.5 Feature Pack 1) and restart the server.
2. Install the Group Policy Updates included with XenApp 6.5 Feature Pack 1 and restart the server.
3. Using either the Citrix AppCenter or the Microsoft Group Policy Management Editor, set the **ICA WebSockets Connections** policy on the XenApp server to **Allowed**.

The Receiver for HTML5 port is set to **8008** by default. If you change the **WebSockets port number** setting in the XenApp policy, ensure that you make the corresponding change when configuring the StoreFront server.

4. To restrict access to the XenApp server, specify a comma-separated list of trusted Receiver for Web URLs for the **WebSockets Trusted Origin Server List** setting. By default, the policy is set to trust all Receiver for Web URLs.

5. From a command prompt, type the following command to apply the policy.

```
gpupdate /force
```

6. Restart the Citrix Independent Management Architecture (IMA) service, wait for ten seconds, and then restart the Citrix XTE Server service.

To install Receiver for HTML5 on a StoreFront server

1. Log on to the primary StoreFront server in your deployment using an account with local administrator permissions.
2. Run Citrix HTML5 HDX Engine Setup.msi as an administrator to install the Citrix HTML5 HDX Engine Configuration tool, which is used to configure Receiver for HTML5 for Receiver for Web site URLs.
3. Read and accept the license agreement, and click **Install**. When the installation is complete, click **Finish**.
4. Click **Start > All Programs > Citrix > Citrix StoreFront**.
5. Select the **Receiver for Web** node in the left pane of the Citrix StoreFront management console and, in the results pane, select the site for which you are configuring Receiver for HTML5. Copy the site URL from the **Website URL** field in the results pane.

Receiver for Web site URLs typically have the form `http[s]://servername.domain/Citrix/storenameWeb`, where *servername.domain* is the fully qualified domain name of the StoreFront server and *storename* is the name given to the store when it was created.

6. Click **Start > All Programs > Citrix > Citrix HTML5 HDX Engine > Citrix HTML5 HDX Engine Configuration**.
7. In the Citrix HTML5 HDX Engine Configuration tool, click **Add**. Paste the Receiver for Web site URL you copied into the **Add Receiver for Web site** dialog box.
8. If you enabled access for local Receiver for HTML5 users to XenApp 6.5 with Feature Pack 1 applications, ensure that the port number shown in the **Add Receiver for Web site** dialog box matches the port you specified in the XenApp policy.

If all Receiver for HTML5 user connections to the Receiver for Web site are routed through Access Gateway, do not alter the **Port Number** setting.

9. Click **OK**. Repeat Steps 5 to 9 for each additional Receiver for Web site that you want to make available to Receiver for HTML5 users.

Receiver for HTML5 User Experience

Receiver for HTML5 enables users who cannot install Citrix Receiver on their devices to access their desktops and applications through their Web browsers. Users without Citrix clients installed on their devices log on to Receiver for Web sites using HTML5-compatible Web browsers and access their resources directly in browser tabs.

Users must connect to Receiver for Web sites through Access Gateway to access desktops provided by XenDesktop, Web and SaaS applications provided by AppController, and applications provided by most supported versions of XenApp. For more information, see [System Requirements for Receiver for HTML5 1.0](#).

By setting a XenApp policy, you can enable local access through Receiver for HTML5 to applications provided by XenApp 6.5 with Feature Pack 1 without routing connections through Access Gateway. For more information, see [Installing and Configuring Receiver for HTML5](#).

To access their applications using Receiver for HTML5, users navigate to a Receiver for Web site using a HTML5-compatible browser running on a supported operating system. By default, when a user accesses a Receiver for Web site from a computer running Windows or Mac OS X, the site attempts to determine whether Citrix Receiver is installed on the user's device. If Citrix Receiver cannot be detected, the default configuration enables users logging on to the site with a supported browser to access their desktops and applications through Receiver for HTML5. When users running Chrome OS log on to a Receiver for Web site, Receiver for HTML5 is always used to provide access to their desktops and applications.

When a user accesses a desktop or application through Receiver for HTML5, the resource starts in a new browser tab or window, according to the user's browser settings. A floating toolbar containing controls for Receiver for HTML5 is displayed in the tab or window. The clipboard button enables users to copy and paste data between the local clipboard on the device and the resource running in the browser. Users can send the CTRL+ALT+DELETE key combination to their desktops and applications using the lock button.