

About Receiver for HTML5 1.3

Apr 02, 2014

Receiver for HTML5 1.3 offers users secure self-service access to virtual desktops and apps provided by XenDesktop and XenApp using only a standard web browser. Receiver for HTML5 1.3 is bundled with StoreFront 2.5, requiring no separate installation on your device or through StoreFront. Receiver can also be used with NetScaler Gateway and StoreFront to provide remote access to desktops and apps.

Resources provided by XenApp and XenDesktop 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 Receiver for Web site using HTML5-compatible web browsers and access their desktops and apps directly in browser tabs.

What's new

This release offers the following new features and enhancements:

- Host to client redirection. You can now open URLs from your session to your local device.
- Improved graphics rendering offers support in XenDesktop 7.x, improved cursor interactivity, and higher frames-per-second display.
- LongCommandLine parameter support. Receiver now offers support for the LongCommandLine parameter when provided in an ICA file.
- Audio and video sync. Receiver now ensures audio and video functionality are synced by adjusting audio playback.
- HTML5 Receiver engine independent upgrade support. After you have upgraded to StoreFront 2.5, you can update the HTML5 engine over existing StoreFront installations without upgrading StoreFront. Independent HTML5 engine hosting capability is also offered in this release.
- Error handling and logging in supported browsers. Receiver now supports file logging in Chrome, Firefox, and Internet Explorer.
- Enhanced cursor responsiveness. Receiver now reduces delay between the session and the server, offering smoother cursor navigation within the session.

Known issues

The following is a list of known issues in this release:

- Users cannot connect directly 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]
- When you use an Intel GPU in a RemotePC, some websites containing Adobe Flash videos may cause Internet Explorer to crash within your Receiver session. If this occurs, use the appropriate procedure below as a workaround. If your RemotePC has another GPU (for example, AMD or NVIDIA) in addition to the Intel GPU, follow these steps:
 1. From the device manager, copy the Hardware ID of the GPU that is not Intel into the clipboard. To access this ID, open the Details tab and select Hardware Ids from the Property drop down menu. From Hardware Ids, copy the top entry into the clipboard.
 2. Depending on your computer's processor architecture type, create one of the following registry keys:
 - **x86**
 - Navigate to HKLM\Software\Citrix\Vd3d\AdapterMerit\ and make the following updates.
 - Type: REG_DWORD
 - Name: *paste from clipboard*
 - Data: 3

- **x64**

- Navigate to HKLM\Software\Wow6432node\Citrix\Vd3d\AdapterMerit\ and make the following updates.
- Type: REG_DWORD
- Name: *paste from clipboard*
- Data: 3

3. Restart Internet Explorer for the registry updates to take effect.

If your RemotePC has only the Intel GPU, use steps 1 and 2 above to locate the Hardware ID of the Intel GPU and set its AdapterMerit registry key to 0. [#444902]

Limitations

- Receiver for HTML5 does not support client drive mapping. [#289827]
- Custom cursor functionality is not supported for Internet Explorer. [#444926]
- Audio functionality is not supported for Internet Explorer. [#444924]
- In some browsers, copying and pasting large amounts of text from the session to the clipboard may cause the session to hang. [#450406]

System requirements for Receiver for HTML5 1.3

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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

- Internet Explorer 11
- Internet Explorer 10
- Safari 7
- Safari 6
- Google Chrome 33
- Mozilla Firefox 26
- Mozilla Firefox 17

Operating systems

- Windows 8.1, Professional and Enterprise editions
- Windows 8, Professional and Enterprise editions
- Windows 7 Service Pack 1 (32-bit and 64-bit editions)
- Mac OS X 10.7 Lion
- Mac OS X 10.6 Snow Leopard
- Google Chrome OS 23

Citrix server requirements

Receiver for HTML5 supports access to desktops and applications provided by XenDesktop and XenApp through StoreFront 2.5. Stores must be accessed through Receiver for Web sites.

Local network connections

For users on the local network, Receiver for HTML5 supports access to applications provided by XenApp 6.5 Hotfix Rollout Pack 3 for Windows Server 2008 R2 and XenDesktop 7.x.

Connections through NetScaler Gateway

NetScaler Gateway 10 Build 71.6014 is required to enable access through Receiver for HTML5 to apps and desktops provided by the following product versions. The NetScaler Gateway version number is displayed at the top of the NetScaler Gateway configuration utility.

- XenDesktop
 - XenDesktop 7.5 and XenDesktop 7.x
 - XenDesktop 5.6
- XenApp
 - XenApp 7.5

- XenApp 6.5 Hotfix Rollout Pack 3 for Windows Server 2008 R2

Configure Receiver for HTML5 1.3

Jun 18, 2014

A StoreFront store with a Receiver for Web site is required to make desktops and applications provided by XenDesktop and XenApp 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 1.3](#).

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 Feature Pack 1 for local user access

If you plan to enable local access through Receiver for HTML5 to applications provided by XenApp 6.5 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 [Manage Citrix policies](#).

1. On your XenApp 6.5 server, install the latest XenApp 6.5 Hotfix Rollup Pack and Hotfix XA650R01W2K8R2X64051 (available at <http://support.citrix.com/article/CTX138537>). Then, 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.
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 configure Receiver for HTML5 to use a different port

By default, Receiver for HTML5 uses port 8008 for direct connections to XenDesktop. You may want to use a different port, however, in the case of firewall or other restrictions in the network infrastructure. To configure Receiver for HTML5 to use a different port, you edit the site configuration file.

Important: In multiple server deployments, use only one server at a time to make changes to the configuration of the server group. Ensure that the Citrix StoreFront management console is not running on any of the other servers in the deployment. When you are done with edits to the site configuration file, propagate your configuration changes to the server group in order to update the other servers in the deployment.

1. On Desktop Delivery controller, change the websocket port number to a new port.
2. Use a text editor to open the web.config file for the Receiver for Web site. The file is typically located at `C:\inetpub\wwwroot\Citrix\storenameWeb\` directory, where *storename* is the name specified for the store when it was created.

3. Locate the following element in the file: `<html5 ... preferences ="" />`
4. Set the value of the preferences attribute to `wsPort:8011`; to allow Receiver for HTML5 to use the new port. Note that this port needs to be the same port that you configured in Step 1.

Propagate your configuration changes to the server group so that the other servers in the deployment are updated.

Note: When using port 8008, verify that the port is not blocked by firewalls and that no applications are using the port, and ensure that the port is not redirecting to other ports.