



# Receiver for Android 3.3

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# Receiver for Android 3.3

Citrix Receiver enables your users to access PC applications published on XenApp or XenDesktop from their Android devices. You publish applications on XenApp or XenDesktop to make them available to your users. Using Doc Finder through Citrix Receiver, your users can also securely browse and access files stored on the server.

Receiver for Android supports Citrix Mobility Pack. The Mobility Pack improves the experience of Citrix Receiver users working in supported Windows applications and published server desktops on mobile devices. For details, see the documentation for Citrix Mobility Pack.

## In this section

<a href="#">System requirements</a>	Ensure your users have the required hardware and software.
<a href="#">About this release</a>	Review the list of new features and known issues
<a href="#">Manage your connections</a>	Learn how to configure your XenApp deployment so your users can access their published applications.
<a href="#">Configure your XenApp server environment</a>	Learn how to configure your XenApp deployment so your users can access their published applications.
<a href="#">Provide access information to end users</a>	Ensure users can connect successfully to XenApp.
<a href="#">Save passwords</a>	Learn about the Receiver's support for configuring the online plug-in to allow users to save their passwords.
<a href="#">Troubleshoot Receiver for Android</a>	Respond to problem reports from your users.

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# About Receiver for Android 3.3.x

## What's new

In addition to general usability and performance improvements, this release adds this new feature:

- Support for smart card authentication with a PNA site using the baiMobile Bluetooth Smart Card Reader. For details about pairing the smart card reader with the Android device, refer to the baiMobile specification: <http://www.biometricassociates.com/downloads/user-guides/baiMobile-3000MP-User-Guide-for-Android-v2.0.pdf>.
- Support for Mobile Solutions/CloudGateway AppController 2.6, including:
  - Ability to view a list of connected devices in AppController. Use the Devices tab to maintain an inventory, lock user devices, erase application data and documents from user devices, and remove devices from the inventory list.
  - Ability to configure workflows, including multiple workflows before you add applications. When you configure applications, you can select the appropriate workflow.
  - Policies for Web and SaaS apps, including policies that support blocking of compromised devices, wireless network settings, the requirement for users to connect to an internal network to access apps, and the ability for users to have network access.
  - Ability to manage applications. If you need to make changes to an application, you can put the app in maintenance mode. When you put an app in this mode, when users open Receiver, the application is disabled. After you make updates to the application, you can then enable the app and users can start the app from Receiver.

For more information, see [AppController 2.6](#) in eDocs, located in Mobile Solutions > CloudGateway.

- Capability to remain logged-in to multiple stores at the same time.
- Support for "sticky keys" with Ctrl, Shift, Alt and Windows keys so that key combinations can be used.
- Changes in session settings, such as honoring system settings for orientation and giving multiple session resolution choices.
- Ability to add accounts with a direct URL when Access Gateway Enterprise Edition is configured with an Account Services address.
- Support for Citrix @WorkMail™ and @WorkWeb™ for Android-based devices that let users easily access their email, calendar, and contacts, as well as intranet web sites. When you upload the mobile apps to AppController, users can subscribe to them from Receiver.

## Known issues

### Issues for smart card authentication:

- Smart card authentication is not supported for browser-based access or from a XenApp site. [#348997, 348984, 348984]
- Gemalto Personal Identity Verification (PIV) and .NET cards are not supported in this release. [#359676, 344953]
- Smart cards that use Elliptic Curve Digital Signature Algorithm (ECDSA) for signatures are not supported in this release. [#361767]
- Smart card authentication is not supported when using the Firefox browser through a Web Interface site because the browser cannot read the smart card certificate. [#348997, 348984]
- When you authenticate with a smart card, reconnecting to a disconnected session too quickly might cause Receiver to fail. To prevent this issue, wait about 30 seconds before attempting to reconnect. If this doesn't work, restart the Virtual Delivery Agent. [#364321]
- On Samsung Galaxy S3 devices, when you authenticate with a smart card, Receiver might stall with a "Please wait" message. As a workaround, manually stop the Android PC/SC Lite service and restart Receiver. [#358796]
- When using a smart card account, you might see an error that the smart card cannot find a valid certificate, even though a valid certificate is present, and Receiver fails. This is an intermittent issue. As a workaround, manually stop the Android PC/SC Lite service and restart Receiver. [#364151]
- Launching an RDP app published using XenApp might not accept your PIN, resulting in an error message that your credentials could not be verified. This is an intermittent issue. You can cancel the message, which disconnects the session, and restart the application from Receiver. [#364914]

### Other known issues:

- When using VPN functionality, you might see a certificate error message when logging on, even when the certificate is present. You can click OK to dismiss this message and proceed with the logon. [#340301]
- Metro Apps available in the Avalon Excalibur Technology Preview (Oct. 2012) are not supported in this release. [#343463]
- Users who switch between accounts multiple times might encounter system slowdowns or even Receiver failure. If this occurs, restart Receiver. [#347008]
- When you launch a XenApp session, the PIN number field is visible for just a few seconds. If you do not enter the PIN within a few seconds, the session disconnects and you must relaunch the application. [#352385]
- On Android 4.2 Jelly Bean devices, non-owner log-ons are not supported. [#362062]

- On some devices, the Bluetooth Mouse right-click may invoke the Back button action, causing the Exit dialog box to appear unintentionally. This issue occurs only on devices with firmware that does not support the right-click mouse button. [#331168]
- On a few of the Jelly Bean devices (such as Nexus 4 and Nexus 7), there is a known issue with the Backspace key. As a workaround, users can select the Backspace key from the Settings > Keyboard option for extended keys.

## Fixed issues in version 3.3

- Receiver fails connecting to some configurations of Secure Gateway.
- Multiple Remote Desktop Services Client Access Licenses (RDS CALs) are used when Android devices switch networks.

### Fixed issues in 3.3.61

- In this release, for StoreFront connections, password saving is now disabled. However, for existing users to enable this new functionality, they must delete and re-create their accounts.
- Receiver for Android 3.3 was unable to connect to XenDesktop 4.0; this issue has been fixed.
- The Control key was not working when used from the external keyboard; this issue has been fixed.
- Predictive text is now disabled by default to address reported usability issues.

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# System requirements for Receiver for Android

## Device

- For best results, update Android devices to the latest Android software.
- Mozilla Firefox Browser for Android is the only browser supported by Receiver for Android. Other browsers are not supported.
- Citrix Receiver supports Android versions 2.3.3 or later.
- If a Technology Preview version of Citrix Receiver is installed, uninstall it before installing the new version.

**Important:** Refer to the **Connectivity** section (below) for information regarding secure connections to your Citrix environment.

## Server

For connections to virtual desktops and apps, Citrix Receiver supports Citrix StoreFront and Web Interface.

StoreFront:

- StoreFront 2.5 (recommended)  
Provides direct access to StoreFront stores. Receiver also supports prior versions of StoreFront.
- StoreFront configured with a Receiver for Web site  
Provides access to StoreFront stores from a web browser. For the limitations of this deployment, see the StoreFront documentation.

Web Interface (not supported for XenDesktop 7 deployments):

- Web Interface 5.4 with Web Interface sites
- Web Interface 5.4 with XenApp Services sites
- Web Interface on NetScaler  
You must enable the rewrite policies provided by NetScaler.
- **XenApp and XenDesktop** (any of the following products):

- XenApp 7.x
- XenApp 6.5 for Windows Server 2008 R2
- XenApp 6 for Windows Server 2008 R2
- XenApp Fundamentals 6.0 for Windows Server 2008 R2
- XenApp 5 for Windows Server 2008
- XenApp 5 for Windows Server 2003
- Citrix Presentation Server 4.5
- XenDesktop 7.x
- XenDesktop 7
- XenDesktop 5, 5.5, and 5.6
- XenDesktop 4

## Connectivity

Citrix Receiver supports HTTP, HTTPS, and ICA-over-SSL connections to a XenApp server farm through any one of the following configurations.

For LAN connections:

- StoreFront 2.x or 2.5 (recommended), Web Interface 5.4, or a XenApp Services (formerly Program Neighborhood Agent) site.

For secure remote connections (any of the following products):

- Citrix NetScaler Gateway 10 (including VPX, MPX and SDX versions)
- Citrix Access Gateway Enterprise Edition 9.x, and 10.x (including VPX, MPX and SDX versions)
  - CloudGateway is supported only with versions 9.3 and higher

### About Secure Connections and SSL Certificates

When securing remote connections using SSL, the mobile device verifies the authenticity of the remote gateway's SSL certificate against a local store of trusted root certificate authorities. The device automatically recognizes commercially issued certificates (such as VeriSign and Thawte) provided the root certificate for the certificate authority exists in the local keystore.

### Private (Self-signed) Certificates

If a private certificate is installed on the remote gateway, the root certificate for the organization's certificate authority must be installed on the mobile device in order to successfully access Citrix resources using the Citrix Receiver.



**Note:** If the remote gateway's certificate cannot be verified upon connection (because the root certificate is not included in the local keystore), an untrusted certificate warning appears. If a user chooses to continue through the warning, a list of applications is displayed; however, application fails to launch.

### Importing Root Certificates on Android Devices

Android 4.x devices support importing root certificates without gaining root access to the device. Android devices prior to 4.0 do not support automatic import of root certificates.

### Wildcard Certificates

Wildcard certificates are used in place of individual server certificates for any server within the same domain. Citrix Receiver for Android supports wildcard certificates.

### Intermediate Certificates and the Access Gateway

If your certificate chain includes an intermediate certificate, the intermediate certificate must be appended to the Access Gateway server certificate. Refer to the Knowledge Base article that matches your edition of the Access Gateway:

[CTX111872: How to Upload an Intermediate Certificate on Citrix Access Gateway 4.5.x](#)

[CTX114146: How to Install an Intermediate Certificate on Access Gateway Enterprise Edition](#)

In addition to the configuration topics in this section of eDocs, see also:

[CTX124937: How to Configure Citrix Access Gateway Enterprise Edition for Use with Citrix Receiver for Mobile Devices](#)

## Authentication

**Note:** RSA SecurID authentication is not supported for Secure Gateway configurations. To use RSA SecurID, use the Access Gateway.

Citrix Receiver supports authentication through Access Gateway using the following methods, depending on your edition:

- No authentication (Standard and Enterprise versions only)
- Domain authentication
- RSA SecurID, including software tokens for WiFi and non-WiFi devices
- Domain authentication paired with RSA SecurID
- SMS Passcode (OTP) authentication
- Smartcard authentication\*

\* Receiver for Android now supports the following products and configurations. Supported smartcard readers:

- BaiMobile 3000MP Bluetooth Smart Card Reader

### Supported smartcards:

- PIV cards
- Common Access Cards

### Supported configurations:

- Smartcard authentication to NetScaler Gateway with StoreFront 2.x and XenDesktop 5.6 and above or XenApp 6.5 and above
- Smartcard authentication to NetScaler Gateway with Web Interface 5.4.2 and XenDesktop 5.6 and above or XenApp 6.5 or above

**Note:** Other token-based authentication solutions may be configured using RADIUS. For SafeWord token authentication, search eDocs for "Configuring SafeWord Authentication" and refer to the instructions that match your edition of Access Gateway.

## Availability of Receiver for Android 3.4 features

Some of the features and functionality of Receiver for Android are available only when connecting to newer XenApp and XenDesktop versions and might require the latest hotfixes.

- For XenDesktop 5.6 deployments, HRP01 is required to support File Type Association in the Receiver Docs view (provided by ShareFile integration).
- ShareFile integration with Receiver requires CloudGateway Enterprise.

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# Manage

Receiver requires configuration of Web Interface for your XenApp deployment. There are two types of Web Interface sites: XenApp Services (formerly Program Neighborhood Services) sites and XenApp Web sites. Web Interface sites enable client devices to connect to the server farm. Authentication between Receiver and a Web Interface site can be handled using a variety of solutions, including Citrix Access Gateway and Citrix Secure Gateway.

Additionally, you can configure StoreFront to provide authentication and resource delivery services for Receiver, enabling you to create centralized enterprise stores to deliver desktops, applications, and other resources to users.

Topics in this section describe how to:

- Configure connections to an enterprise installation of Citrix Access Gateway and Citrix Secure Gateway
- Configure Web Interface connections
- Configure StoreFront connections
- Provide access information to your users
- Provide RSA SecurID authentication
- Configure your XenApp Server environment

For more information about configuring connections, including videos, blogs, and a support forum, refer to <http://community.citrix.com>.

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# Configure your XenApp environment for Citrix Receiver for Mobile Devices

Before your users access applications published on your XenApp deployment, configure the following components in your deployment as described here.

- When publishing applications on your XenApp farms, consider the following options to enhance the experience for users accessing those applications through StoreFront stores:
  - Ensure that you include meaningful descriptions for published applications, as these descriptions are visible to users in Citrix Receiver.
  - You can emphasize published applications for your mobile device users by listing the applications in Citrix Receiver's Featured list. To populate the Featured list on Citrix Receiver, edit the properties of applications published on your XenApp servers and append the string `KEYWORDS:Featured` to value of the Application description field.
  - To enable the screen-to-fit mode that adjusts the application to the screen size of mobile devices, edit the properties of applications published on your XenApp servers and append the string `KEYWORDS:mobile` to value of the Application description field. This keyword also activates the auto-scroll feature for the application.
  - To automatically subscribe all users of a store to an application, append the string `KEYWORDS:Auto` to the description you provide when you publish the application in XenApp. When users log on to the store, the application is automatically provisioned without users needing to manually subscribe to the application.
  - When publishing the Remote Desktop (RDP) application for the Android, to ensure the shift-key works properly on user devices, append the string `KEYWORDS:unikey` to the value of the Application description field. This keyword causes Receiver to send keystrokes using an alternate mechanism that allows the Caps Lock key to work.

For more information see the [StoreFront](#) documentation.

- If the Web Interface of your XenApp or XenDesktop deployment does not have a Web site or XenApp Services site, create one. For instructions on how to create one of these sites, see the "Configuring Sites" topics for [Web Interface 5.4](#).
- To enable users to easily browse and access their work files (such as Microsoft Word documents) from a drive space on the XenApp server, publish Citrix Doc Finder on the servers your users connect to from their mobile devices.

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# Installing Receiver on an SD Card

Receiver for mobile devices is optimized to be installed locally on user devices. However, if devices have insufficient storage, users can install Receiver on an external SD card and mount it on the device to launch published apps on their mobile devices. This support is provided by default and no additional configuration is required.

To launch an app using the SD card, users select the app from the list of Receiver apps on the user device, and then select *Move to SD card*.

If users opt to install Receiver on an external SD card to launch apps, the following issues exist:

- Mounting a USB storage device while the SD card is mounted on the mobile device causes the SD card to become unavailable, and if apps were running, they stop running when the USB device is mounted.
- Some AppWidgets (such as the home screen widgets) are not available when an app is running from the SD card. After unmounting the SD card, users must restart the AppWidgets.

If users install Receiver installed locally on their user devices, they can move Receiver to the SD card when needed.

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# To configure StoreFront for Citrix Receiver for mobile devices

## To configure StoreFront

### Important:

- Only Citrix Access Gateway Enterprise Edition 9.3 and 10.0 are supported by Receiver for iOS 5.6 and 5.7 and Android 3.x when using StoreFront.
- Receiver for iOS supports only XenApp Services sites on Web Interface.
- Legacy mode is no longer required for StoreFront in any configuration scenario.
- Receiver for iOS and Android do not support Receiver for Web.

With StoreFront, the stores you create consist of services that provide authentication and resource delivery infrastructure for Citrix Receiver. Create stores that enumerate and aggregate desktops and applications from XenDesktop sites, XenApp farms, and AppController, making these resources available to users.

1. Install and configure StoreFront. For details, see [StoreFront](#) in the Technologies > StoreFront section of eDocs. For administrators who need more control, Citrix provides a template you can use to create a download site for Receiver for each type of mobile device, such as iOS or Android.
2. Configure stores for StoreFront just as you would for other XenApp and XenDesktop applications. No special configuration is needed for mobile devices. For details, see *User Access Options* in the StoreFront section of eDocs. For mobile devices, use either of these methods:
  - Provisioning files. You can provide users with provisioning files (.cr) containing connection details for their stores. After installation, users open the file on the device to configure Citrix Receiver automatically. By default, Receiver for Web sites offer users a provisioning file for the single store for which the site is configured. Alternatively, you can use the Citrix StoreFront management console to generate provisioning files for single or multiple stores that you can manually distribute to your users.
  - Manual configuration. You can directly inform users of the Access Gateway or store URLs needed to access their desktops and applications. For connections through Access Gateway, users also need to know the product edition and required authentication method. After installation, users enter these details into Citrix Receiver, which attempts to verify the connection and, if successful, prompts users to log on.

## To configure the AppController

AppController extends the types of applications that users can access. In addition to providing access to applications published for XenApp and XenDesktop, you can use AppController, a component of CloudGateway Enterprise, to provide URLs for Web applications and applications on your internal network, including applications that are not Windows-based and internal applications. StoreFront aggregates the applications published through AppController with the applications published with XenApp or XenDesktop for users to access from Receiver.

If you use StoreFront and AppController, refer to the AppController documentation for details about [Configuring StoreFront for mobile devices](#). You must modify the web.config file to register devices.

Use AppController to configure Web and SaaS apps for users. For details about installing and configuring AppController, see your [AppController](#) version in the XenMobile section of eDocs.

## To configure Access Gateway

If you have users who connect from outside the internal network (for example, users who connect from the Internet or from remote locations), configure authentication through Access Gateway.

- Only Citrix Access Gateway 9.3 and 10.0 Enterprise Edition and Access Gateway 5.0.4 are supported by Receiver for iOS 5.6 or 5.7 and Android 3.x using StoreFront.
- For details, see your version of [Access Gateway](#) in eDocs.

## To configure Receiver to access apps

1. When creating a new account, in the Address field, enter the matching URL of your store, such as `storefront.organization.com`.
2. Continue by completing the remaining fields and select the Access Gateway authentication method, such as enabling the security token, selecting the type of authentication, and saving the settings.

**Note:** On iOS devices only, logons to the store are valid for about one hour. After that time, users must log on again to refresh or launch other applications.

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# To configure the Secure Gateway for Citrix Receiver for mobile devices

## To configure the XenApp Services site

### Important:

- Secure Gateway 3.x is supported by Receiver for Android, Receiver for iOS, and Receiver for PlayBook using XenApp Services sites.
- Secure Gateway 3.x is supported by Receiver for Android, Receiver for iOS, and Receiver for PlayBook using XenApp Web sites.
- Only single-factor authentication is supported on XenApp Services sites, and both single-factor and dual factor are supported on XenApp Web sites.
- You must use the Web Interface 5.4, which is supported by all built-in browsers.

Before beginning this configuration, install and configure the Secure Gateway to work with Web Interface. You can adapt these instructions to fit your specific environment.

If you are using a Secure Gateway connection, do not configure Citrix Access Gateway settings on the Receiver.

The Receiver for mobile devices uses a XenApp Services site (formerly Program Neighborhood Agent site) to get information about the applications a user has rights to and presents them to the Receiver running on the device. This is similar to the way you use the Web Interface for traditional SSL-based XenApp connections for which an Access Gateway can be configured. XenApp Services sites running on the Web Interface 5. x have this configuration ability built in.

Configure the XenApp Services site to support connections from a Secure Gateway connection:

1. In the XenApp Services site, select Manage secure client access > Edit secure client access settings.
2. Change the Access Method to Gateway Direct.
3. Enter the FQDN of the Secure Gateway.
4. Enter the Secure Ticket Authority (STA) information.

**Note:** For the Secure Gateway, Citrix recommends using the Citrix default path for this site (<http://XenAppServerName/Citrix/PNAgent>). The default path enables your users to specify the FQDN of the Secure Gateway they are connecting to instead of the full path to the config.xml file that resides on the XenApp Services site (such as <http://XenAppServerName/CustomPath/config.xml>).



## To configure the Secure Gateway

1. On the Secure Gateway, use the Secure Gateway Configuration wizard to configure the Secure Gateway to work with the server in the secure network hosting the XenApp Service site. After selecting the Indirect option, enter the FQDN path of your Secure Gateway Server and continue the wizard steps.
2. Test a connection from a user device to verify that the Secure Gateway is configured correctly for networking and certificate allocation.

## To configure the mobile device for the Receiver application

1. Open Account Settings, and in the Address field, enter the matching FQDN of your Secure Gateway server:
  - If you created the XenApp Services site using the default path (/Citrix/PNAgent), enter the Secure Gateway FQDN: `FQDNofSecureGateway.companyName.com`
  - If you customized the path of the XenApp Services site, enter the full path of the config.xml file, such as:  
`FQDNofSecureGateway.companyName.com/CustomPath/config.xml`
2. In the Citrix Access Gateway settings, turn off Access Gateway.

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# To configure Access Gateway Enterprise Edition for Receiver for mobile devices

## Important:

- Access Gateway Enterprise Edition 9.x and 10.x are supported by Receiver for Android and Receiver for iOS using XenApp Services sites or Legacy mode on StoreFront servers.
- Access Gateway Enterprise Edition 9.x and 10.x are supported by Receiver for Android and Receiver for iOS using XenApp Web Sites.
- Receiver for Web is not supported by Receivers for mobile devices.
- Access Gateway Enterprise Edition 9.x and 10.x are supported by Receiver for Android and Receiver for iOS to access StoreFront stores.
- Both single-source and double-source authentication are supported on Web Interface sites and StoreFront.
- You must use the Web Interface 5.4, which is supported by all built-in browsers.
- You can create multiple session policies on the same virtual server depending on the type of connection (such as ICA, CVPN, or VPN) and type of Receiver (Web Receiver or locally installed Receivers). All of the policies can be achieved from a single virtual server.
- When users create accounts on Receiver, they should enter the account credentials, such as their email address or the matching FQDN of your Access Gateway server. For example, if the connection fails when using the default path, users should enter the full path to the Access Gateway server.

To enable remote users to connect through Access Gateway to your CloudGateway deployment, you can configure Access Gateway to work with AppController or StoreFront (both components of CloudGateway). The method for enabling access depends on the edition of CloudGateway in your deployment:

- If you deploy CloudGateway Enterprise in your network, allow connections from remote users to AppController by integrating Access Gateway and AppController. This deployment allows users to connect to AppController to obtain their web, Software as a Service (SaaS), and mobile apps, and access documents from ShareFile. Users connect through either Citrix Receiver or the Access Gateway Plug-in.
- If you deploy CloudGateway Express in your network, allow connections from internal or remote users to StoreFront through Access Gateway by integrating Access Gateway and StoreFront. This deployment allows users to connect to StoreFront to access published applications from XenApp and virtual desktops from XenDesktop. Users connect through Citrix Receiver.

For information about configuring these connections, refer to [Integrating Access Gateway with CloudGateway](#) and the other topics under that node in eDocs.

Information about the settings required for Receiver for mobile devices are in the following topics:

- [Creating the Session Profile for Receiver for CloudGateway Enterprise](#)
- [Creating the Session Profile for Receiver for CloudGateway Express](#)
- [Configuring Custom Clientless Access Policies for Receiver](#)
- [Configuring Secure Browse in Access Gateway](#) (iOS devices only, not needed for Android devices)
- [Allowing Access from Mobile Devices](#)
- [App Preparation Tool for Mobile Apps](#)
- [Configuring ShareFile on Receiver for Mobile Devices](#)

To enable remote users to connect through Access Gateway to your Web Interface deployment, configure Access Gateway to work with Web Interface, as described in [Configuring Access Gateway Enterprise Edition to Communicate with the Web Interface](#) and its sub-topics in Citrix eDocs.

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# To configure Access Gateway Standard Edition 4.6.x for Citrix Receiver for mobile devices

## To configure the XenApp Services site

### Important:

- Access Gateway Standard Edition 4.6.x is supported by Receiver for Android 2.x, Receiver for BlackBerry 2.x, and Receiver for iOS using XenApp Services sites.
- Access Gateway Standard Edition 4.6.x is supported by Receiver for Android 2.x and Receiver for iPad 4.2.x using XenApp Web sites.
- Both single-source and double-source authentication are supported on Web Interface sites.
- You must use the Web Interface 5.4, which is supported by all built-in browsers.

If you do not already have a XenApp Services site created, in the XenApp console or Web Interface console (depending on the version of XenApp you have installed), create a XenApp Services site for mobile devices.

The Receiver for mobile devices uses a XenApp Services site (formerly Program Neighborhood Agent site) to get information about the applications a user has rights to and presents them to the Receiver running on the device. This is similar to the way you use the Web Interface for traditional SSL-based XenApp connections for which an Access Gateway can be configured. XenApp Services sites running on the Web Interface 5. x have this configuration ability built in.

For Access Gateway Standard Edition, Citrix recommends using the Citrix default path for the XenApp Services site (<http://XenAppServerName/Citrix/PNAgent>). The default path enables your users to specify the FQDN of the Access Gateway they are connecting to instead of the full path to the config.xml file that resides on the XenApp Services site (such as <http://XenAppServerName/CustomPath/config.xml>).

**Note:** For iOS devices (iPad and iPhone) and BlackBerry devices, you must use the Citrix default path for the XenApp Services site.

Configure the XenApp Services site for the Receiver for mobile devices to support connections from an Access Gateway connection.

1. In the XenApp Services site, select Manage secure client access > Edit secure client access settings.
2. Change the Access Method to Gateway Direct.
3. Enter the FQDN of the Access Gateway appliance.

4. Enter the Secure Ticket Authority (STA) information.

## To configure the Access Gateway 4.6.x appliance

1. Configure Authentication realms to authenticate users connecting to the Access Gateway by using the Access Gateway Plug-in.

Active Directory authentication, SMS authentication (<http://smspasscode.com>) (iPhone and iPad only), and RSA SecurID are supported authentication methods for Receiver for mobile devices:

- If double-source authentication is required (such as Active Directory and RSA SecurID), RSA SecurID authentication must be the primary authentication type. Active Directory authentication must be the secondary authentication type.
- RSA SecurID can use either RADIUS or an `sdconf.rec` file to enable token authentication.
- Active Directory authentication can use either LDAP or RADIUS.

Test a connection from a user device to verify that the Access Gateway is configured correctly in terms of networking and certificate allocation.

2. To establish communication with XenApp servers and the Web Interface, configure Access Gateway to recognize the servers. You can configure the settings by using group properties on Access Gateway. Configure Access Gateway to allow incoming XenApp connections from the Receiver and specify the location of your newly created XenApp Services site.
  - a. In the Administration Tool, click the Access Policy Manager tab.
  - b. Right-click a user group and then click Properties.
  - c. On the Gateway Portal tab, click Redirect to Web Interface.
  - d. If the **Path** field for XenApp Services for Web Interface contains an existing configuration for a Web Interface site for ICA connections on the Access Gateway, do not modify your existing configuration, but make sure that your XenApp Services site is located on the same server that is hosting the Web Interface site. If the Path field is empty, meaning there is no existing configuration for ICA connections, type `/Citrix/PNAgent`.
  - e. In Web server, type the IP address or FQDN of the server running the Web Interface.
  - f. On the Global Cluster Policies tab, select Enable logon page authentication.

**Note:**

- The check box Single sign-on to the Web Interface is specifically for Web Interface and does not affect connections using the Receiver for mobile devices. If you configured the Access Gateway to use a Web Interface site for other users, continue to maintain and use it for the Web Interface.
- To enable Citrix XenApp connections on an Access Gateway that has previously been configured to accept connections by using the Access Gateway Plug-in, select Use the multiple logon option page. For more information, see the Access Gateway documentation.

- In the Access Gateway Administration Tool, on the Authentication tab, click the Secure Ticket Authority tab and add the STA details. Make sure the STA information is the same as the XenApp Services site.

**Important:** If the server certificate used on the Access Gateway is part of a certificate chain (with an intermediate certificate), make sure that the intermediate certificates are also installed correctly on the Access Gateway. For information about installing certificates, see the Access Gateway documentation.

## To configure the mobile device for the Receiver application

1. In Account Settings, in the Address field, enter the matching FQDN of your Access Gateway server:

If you created the XenApp Services site using the default path (/Citrix/PNAgent), enter the Access Gateway FQDN such as: `GatewayServer.organization.com`.

If you customized the path for the XenApp Services site, enter the full path to the `config.xml` file, such as: `FQDNofAccessGateway/CustomPath/config.xml`.

2. Continue by completing the remaining fields and select the Access Gateway authentication method, such as enabling the security token, selecting the type of authentication, and saving the settings. On some mobile devices, Receiver does not include all of those options.

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# To configure Access Gateway Advanced Edition 4.5 for Citrix Receiver for mobile devices

## To configure the XenApp Services site

### Important:

- Access Gateway Advanced Edition 4.5 with AAC450W004 and AAC450W005 is supported by Receiver for Android 2.x, Receiver for BlackBerry 2.x, and Receiver for iOS using XenApp Services sites.
- Access Gateway Advanced Edition 4.5 with AAC450W005 is supported by Receiver for Android 2.x and Receiver for iPad 4.2.x using XenApp Web sites.
- Both single-source and double-source authentication are supported on Web Interface sites.
- You must use the Web Interface 5.4, which is supported by all built-in browsers.

If you do not already have a XenApp Services site created, in the XenApp console or Web Interface console (depending on the version of XenApp you have installed), create a XenApp Services site for mobile devices.

The Receiver for mobile devices uses a XenApp Services site (formerly Program Neighborhood Agent site) to get information about the applications a user has rights to and presents them to the Receiver running on the device. This is similar to the way you use the Web Interface for traditional SSL-based XenApp connections for which an Access Gateway can be configured. XenApp Services sites running on the Web Interface 5. x have this configuration ability built in.

Configure the XenApp Services site for the Receiver for mobile devices to support connections from an Access Gateway connection.

1. In the XenApp Services site, select Manage secure client access > Edit secure client access settings.
2. Change the Access Method to Gateway Direct.
3. Enter the FQDN of the Access Gateway appliance.
4. Enter the Secure Ticket Authority (STA) information.



## To configure the Access Gateway appliance

Configure the Access Gateway appliance to use the Access Gateway Advanced Edition 4.5 with AAC450W004 or AAC450W005.

1. In the Administration Tool, click the Access Gateway Cluster tab and open the window for the appliance.
2. On the Advanced Options tab, click Advanced Access Control.
3. Continue by configuring the settings for the server running Advanced Access Control.

## To configure the server running Advanced Access Control

1. On the server running Advanced Access Control, from your Logon Point, verify that the authentication method you prefer is set up and working. Active Directory authentication, SMS authentication (<http://smspasscode.com>) (iPhone only), and RSA SecurID are the supported authentication methods for the Receiver for mobile devices. In the Logon Point Properties dialog box, click Authentication, and select a supported authentication method for the mobile device:
  - For single-factor authentication, select Active Directory, LDAP, or RADIUS (which can be used for RSA SecurID or Active Directory authentication).
  - For double-source authentication, under Active Directory, select RSA SecurID, which can be used with either RADIUS or an sdconf.rec file to enable token authentication.Test a connection from a user device to verify that the Access Gateway is configured correctly in terms of networking and certificate allocation.
2. On the server running Advanced Access Control, create and deploy a logon point (the default name for the logon point is `iPhone`). You can verify the existence of the logon point by using this address in the Web browser through the Access Gateway, such as `https://FQDNofAccessGateway/CitrixLogonPoint/LogonPointName`.

Tip: Citrix recommends using `iPhone` as the name for this logon point for any type of mobile device because the Receiver uses this name as the default logon point for the device. If you use any other logon point name, enter the full URL path in the Receiver settings.

  - a. Create a Web resource (`MobileDevicePNA`) for the XenApp Services site of the mobile device.
  - b. On the Web Resource Properties page for URL Addresses, set the home page and display order for the device logon point:
    - Ensure your XenApp Service sites are listed under URL, the Application Type is Web Application (not Web Interface), and the Authentication Type is No authentication.
    - Select Publish for users in their list of resources and set the Home page to your XenApp Services site URL. Example:  
`http://webserver.domain.com/Citrix/PNAgent/Config.xml`
  - c. Select the new logon point and set the following properties:
    - On the Select Home Page tab, select the option to display the home page application and set the display order so that the Web resource home page for the mobile device has the highest priority.
    - On the Authentication tab, select the method to authenticate users connecting to the Access Gateway using the Access Gateway plug-in.
    - On the Session Settings tab, clear the check box for Time to prompt user before password expires.

- On the Visibility tab, select Allow external users access to this logon point.

For more information about creating policies for the Access Gateway and XenApp, see the Access Gateway documentation. Product documentation is available online in Citrix eDocs.

3. In the console under Policies, create a filter applied to this logon point. Right-click Filters, and select Create filter.
  - a. In Filter Properties, click the Logon Points tab.
  - b. In the Selected logon points list, add the Logon Point name for the mobile device.
4. Create a policy for this Logon Point and set the following Policy Properties:
  - a. On the Resources tab, select the check boxes for Web Resources > MobileDevice and for Allow Logon.
  - b. On the Settings tab, ensure that the value for Web Resources > Access and Network Resources > Access are set to Allow. This setting allows users to access the Web resource and allows the Logon to this logon point.
  - c. On the Filter tab, select the mobile device filter to apply to the policy.

**Note:** If the server certificate used on the Access Gateway is part of a certificate chain (with an intermediate certificate), make sure that the intermediate certificates are also installed correctly on the Access Gateway. For information about installing certificates, see the Access Gateway documentation.

## To configure the mobile device for the Receiver application

1. In Account Settings, in the Address field, enter the matching FQDN of your Access Gateway server:

If you used `iPhone` as the Logon Point name, enter the FQDN of Access Gateway, such as: `GatewayServer.organization.com`.

If you used anything other than `iPhone` as the Logon Point name, enter the full path in the Address field: `FQDNofAccessGateway/CitrixLogonPoint/LogonPointName`.

2. Continue by completing the remaining fields and select the Access Gateway authentication method, such as enabling the security token, selecting the type of authentication, and saving the settings. On some mobile devices, Receiver does not include all of those options.

---

# To configure Access Gateway 5.0 for Citrix Receiver for mobile devices

## To configure the Web Interface site

### Important:

- To use mobile devices with Access Gateway 5.0 through a XenApp Services site, you must update to version 5.0.2 or higher; see [To configure Access Gateway 5.0.2 and 5.0.3 to use a XenApp Services site](#).
- Access Gateway 5.0 is supported only by Receiver for Android 2.x, Receiver for iPad 4.2 or higher. Also, it is supported only for XenApp Web site configurations.
- You must use the Web Interface 5.4, which is supported by all built-in browsers.

When you configure Access Gateway for mobile devices, you configure a basic or a SmartAccess logon point on Access Gateway and use the Web address for the XenApp Services site.

Before you configure a logon point, install the Web Interface and verify that it is communicating with the network. When you configure a logon point, you must also configure at least one Secure Ticket Authority (STA) server and ICA Access Control in Access Gateway. For more information, expand Access Gateway 5.0 in eDocs, and locate the topic *To configure Access Gateway to use the Secure Ticket Authority*.

**Note:** Users with mobile devices can launch applications through your Web Interface site and the built-in browser within Receiver or the browser provided by the operating system on the mobile device. Configure the Web Interface site just as you would for other XenApp applications. No special configuration is needed for mobile devices.

## To configure the Access Gateway 5.0 appliance

1. Configure Authentication profiles to authenticate users connecting to the Access Gateway using the Receiver.

Active Directory authentication, SMS authentication (<http://smspasscode.com>) (iPhone and iPad only), and RSA SecurID are supported authentication methods for Receiver for mobile devices:

- If double source authentication is required (such as Active Directory and RSA SecurID), Active Directory authentication must be the primary authentication type. RSA SecurID authentication must be the secondary authentication type.
- RSA SecurID can use either RADIUS or an `sdconf.rec` file to enable token authentication.
- You can configure Active Directory authentication on Access Controller. You can use Active Directory on the Access Gateway appliance by using either an LDAP or RADIUS authentication profile.

Test a connection from a user device to verify that the Access Gateway is configured correctly in terms of networking and certificate allocation.

2. To establish communication with XenApp servers and the Web Interface, configure the Access Gateway with STA servers and the ICA Access Control list on Access Gateway. For more information, see the Access Gateway section of eDocs.
3. Configure logon points on the Access Gateway. Configure the Access Gateway to allow incoming XenApp connections from the Receiver, and specify the location of your Web Interface site.
  - a. In the Access Gateway Management Console, click Management.
  - b. Under Access Control, click Logon Points > New.
  - c. In the Logon Points Properties dialog box, in Name, type a unique name for the logon point.
  - d. Select the Type:
    - For a Basic logon point, in the Web Interface field, type the fully qualified domain name (FQDN) of the Web Interface, such as `http://xenapp.domain.com/citrix/mobile`. You cannot configure a SmartGroup with a basic logon point. Select the authentication type, or click Authenticate with the Web Interface.

If you select Authenticate with the Web Interface, when users type the URL to Access Gateway and enter credentials, the credentials are passed to the Web Interface for authentication.
    - For a SmartGroup to use the settings in a SmartAccess logon point, you must select the logon point within the SmartGroup. Select the authentication profiles. If you configure a SmartAccess logon point, Access Gateway authenticates users. You cannot configure authentication by using the Web Interface.

If you select Single Sign-on to Web Interface, users do not have to log on to the Web Interface after logging on to the Access Gateway. If not selected, users must log on to both the Access Gateway and Web Interface.

- e. Under Applications and Desktops, click Secure Ticket Authority and add the STA details. Make sure the STA information is the same as the Web Interface site.
- f. Finally, under Applications and Desktops, click XenApp or XenDesktop to add the ICA control list (required for Access Gateway 5.0). For more information, expand Access Gateway 5.0 in eDocs, and locate *To configure ICA Access Control*.

**Important:** If the server certificate used on the Access Gateway is part of a certificate chain (with an intermediate certificate), make sure that the intermediate certificates are also installed correctly on the Access Gateway. For information about installing certificates, see the Access Gateway section on *Configuring Intermediate Certificates*.

## To configure Access Controller

1. Configure Authentication profiles to authenticate users connecting to the Access Gateway using the Receiver.

Active Directory authentication, SMS authentication (<http://smspasscode.com>) (iPhone and iPad only), and RSA SecurID are supported authentication methods for Receiver for mobile devices:

- If double source authentication is required (such as Active Directory and RSA SecurID), Active Directory authentication must be the primary authentication type. RSA SecurID authentication must be the secondary authentication type.
- RSA SecurID can use either RADIUS or an `sdconf.rec` file to enable token authentication.
- You can configure Active Directory authentication on Access Controller. You can use Active Directory on the Access Gateway appliance by using either an LDAP or RADIUS authentication profile.

Test a connection from a user device to verify that the Access Gateway is configured correctly in terms of networking and certificate allocation.

2. To establish communication with XenApp servers and the Web Interface, configure Access Controller to recognize the servers. Configure Access Controller to allow incoming XenApp connections from the Receiver and specify the location of your Web Interface site.
  - a. In the Deliver Services Console, expand Citrix Resources > Access Gateway, and then click the Access Controller on which you want to create the Web resource.
  - b. Expand Resources, click Web Resources, and then under Common tasks, click Create Web resource. In the wizard, enter a unique name. On the New Web Address page, enter the Web address URL of the XenApp Web site.
  - c. In **Application type**, select Citrix Web Interface and click the Enable Single Sign-on check box.
  - d. After you click OK, click Publish for users in their list of resources , and then in Home page, enter the URL of the XenApp Web Site, such as `http://xenapp.domain.com/citrix/mobile`, and finish the wizard.
  - e. In the navigation pane, click Logon Points, click Create logon point, and in the wizard, enter a unique name, and select the type:
    - For a Basic logon point, in the Web Interface field, type the fully qualified domain name (FQDN) of the Web Interface, such as `http://xenapp.domain.com/citrix/mobile`. Select the Home page, and then select the authentication profile. Leave the remaining options as default values, and click Enable this logon point check box at the end of the wizard.
    - For a SmartAccess logon point, on Select Home Page, select the Display the Web resource with the highest priority. Click Set Display Order, and move the Web Interface Web resource to the top.

Select the Authentication Profiles for both authentication and group extraction. Leave the remaining options as default values, and click Enable this logon point check box at the end of the wizard.

- f. In the navigation pane, under Policies > Access Policies, select Create access policy and on the Select Resources page, expand Web Resources to select the Web Interface web resource.
- g. In Configure Policy Settings, select the settings, click Enable this policy to control this setting, and select Extended access, unless denied by another policy. Add the users allowed to access this resource and finish the wizard.
- h. In the navigation pane, under Access Gateway appliances, select Edit Access Gateway appliance properties, click Secure Ticket Authority and add the STA details. Make sure the STA information is the same as the Web Interface site.
- i. Finally, click ICA Access Control to add the ICA control list (required for Access Gateway 5.0). For more information, expand Access Gateway 5.0 in eDocs, and locate *To configure ICA Access Control* in the Access Controller documentation.

**Important:** If the server certificate used on the Access Gateway is part of a certificate chain (with an intermediate certificate), make sure that the intermediate certificates are also installed correctly on the Access Gateway. For information about installing certificates, see the Access Gateway section on *Configuring Intermediate Certificates*.

## To launch Receiver applications on the mobile device

1. Install the Receiver application on the device.
2. Launch published applications by using one of the following methods (some mobile devices have slight differences):
  - Launch the Receiver application on the device, and create an account by entering the matching FQDN of your Access Gateway server (including Logon Point, if applicable), and Receiver auto-configures the account to use Receiver's built-in browser to launch applications.
  - Launch the Web browser provided by the operating system of the mobile device, and log on to your organization's Web Interface site to access your applications.

**Note:** With this method on iOS devices, users are prompted each time to open the launched application in Citrix. You cannot disable this feature.



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# To configure Access Gateway 5.0.2 or 5.0.3 to use a XenApp Services site

## Important:

- Access Gateway 5.0.2 and 5.0.3 are supported by Receiver for Android 2.x, Receiver for iPad 4.2, and Receiver for iOS 5.0 by using either XenApp Services sites or XenApp Web sites.
- If using XenApp Web sites, use the steps described in [To configure Access Gateway 5.0 for Citrix Receiver](#). If using XenApp Services, use the steps described in this topic.
- When using XenApp Services sites, only single-factor authentication is supported. When using XenApp Web sites, both single-source and double-source authentication are supported.
- You must use the Web Interface 5.4, which is supported by all built-in browsers.

You can configure Access Gateway 5.0.2 or 5.0.3 to allow users to connect by using Citrix Receiver for mobile devices that work with the XenApp Services site. To do so, you configure the Web Interface to use XenApp Services sites and then on Access Gateway, create a basic logon point and configure it to use the Web Interface for authentication. When users log on, they can start published applications directly from the mobile device. To give users this type of access, the basic steps are:

1. Create a XenApp Services site in the Web Interface, setting the fully qualified domain name (FQDN), Secure Ticket Authority (STA), and the access method.
2. On Access Gateway, create a basic logon point, such as "mobile," and configure it to use the Web Interface for authentication.

If users log on to the default logon point, they only need to type in the Access Gateway FQDN. If users do not log on to the default logon point, they must enter the FQDN of Access Gateway, plus the full path of the logon point. For example, users would type in `https://<AccessGatewayFQDN>/lp/mobile`.

3. In the basic logon point, set the XenApp Services sites as the home page. When you configure the home page, enter the full path to the config.xml file. For example, `<WI-ServerName>/citrix/pnagent/config.xml`.
4. On Access Gateway, configure the STA and the ICA access control list.

When users log on with the Receiver or online plug-in and enter the Access Gateway FQDN as the server address, the XenApp Services site enumerates applications and the user connection routes through Access Gateway.

**Note:** You must use Access Gateway 5.0.2 or 5.0.3 to enable this feature.

## To configure Access Gateway to connect to the XenApp Services site

1. In the Access Gateway Management Console, click Management.
2. Under Access Control, click Logon Points.
3. In the Logon Points panel, click New.
4. In the Logon Points Properties dialog box, in Name, type a unique name for the logon point, such as "mobile."
5. In Type, select Basic.
6. Select Authenticate with Web Interface.
7. In Web Interface, type the full path to the config.xml file within the XenApp Services site, such as `http://<XenAppServerName>/citrix/pnagent/config.xml`, and then click Save.

## To launch Receiver applications on the mobile device

1. On the mobile device, enter the URL to the server to connect to the logon point that was created for users, such as: `<AccessGatewayFQDN>/lp/mobile/`.
2. Enter your domain credentials normally.

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# To configure the Web Interface for Citrix Receiver for mobile devices

## To configure the Web Interface site

Citrix Receiver can launch applications through your Web Interface site. Configure the Web Interface site just as you would for other XenApp applications. No special configuration is needed for mobile devices.

The Receiver supports Web Interface version 5.4 only. In addition, users can launch applications from Web Interface 5.4 using the Firefox mobile browser.

## To launch applications on the user device

From the mobile device, users can log into the Web Interface site using their normal logon and password.

**Note:** To start applications from the Web Interface site when using Receiver for Android, the SD card on the device must be available for the session to launch. If the SD card is not available (for example, if it is either in use or not mounted), the session launch fails.

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# Enable smart card support

Receiver for Android mobile devices provides support for Bluetooth smart card readers with a PNA site. If smart card support is enabled, you can use smart cards for the following purposes:

- Smart card logon authentication. Use smart cards to authenticate users to Receiver.
- Smart card application support. Enable smart card-aware published applications to access local smart card devices.
- Signing documents and email. Applications such as Microsoft Word and Outlook that are launched in ICA sessions can access smart cards on the mobile device for signing documents and email.

## To configure smart card support on the device

1. You must pair the smart card with the mobile device. For more information about how to pair smart card readers with the device, refer to the smart card reader specifications. For example, to pair the baiMobile Bluetooth smart card reader with the Android device, see: <http://www.biometricassociates.com/downloads/user-guides/bai-Mobile-3000MP-User-Guide-for-Android-v2.0.pdf>.

Smart card support for Android devices has the following prerequisites and limitations:

- Receiver supports this feature on all the Android devices listed by the Biometric Associates middleware. For details, see <http://www.biometricassociates.com/products/smart-card-readers/android-supported-devices/>.
  - Some users might have a global Pin number for smart cards; however, when users log on to a smart card account, they should enter the PIV pin, not the global smart card pin. This is a 3rd party limitation.
  - Smart card authentication might be slower than password authentication. For example, after disconnecting from a session, wait about 30 seconds before attempting to reconnect. Reconnecting to a disconnected session too quickly might cause Receiver to fail.
  - Smart card authentication is not supported for browser-based access or from a XenApp site.
2. Install Android PC/SC-Lite service on the Android device before adding a smart-card aware PNAgent account. This service is available in the form of an .apk file in the baiMobile SDK.

For Android, the PC/SC-Lite .apk file can be downloaded from:

- Google Play Store
  - The software developer
3. In Receiver, select the Settings icon, and select Accounts, select Add Account, or edit an existing account.

4. Configure the connection, and turn on the smart card option.

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# Providing ShareFile Services to Receiver Users

Citrix ShareFile is a cloud-based, secure file sharing service. ShareFile enables users to send large documents by email, securely handle document transfers to third parties, and access a web-based collaboration space from computers or mobile devices.

You can configure Citrix CloudGateway Enterprise to deliver ShareFile Enterprise services, providing users access to document sharing features from the Receiver interface. In the Receiver Docs view, users can view, edit, and share documents. When offline, Receiver users can access documents synced to their desktop computer or mobile device.

## To configure AppController and ShareFile

**Prerequisite:** To configure a ShareFile account for your organization (and keep users on one subdomain), register for an account for Receiver on ShareFile.com.

**Note:** If users register for their own ShareFile account, they create multiple subdomains on your server.

### General Steps

1. Complete CloudGateway and ShareFile configuration:

In the AppController Management Console, configure the ShareFile settings. For more information, see *To configure settings for mobile apps* in the [AppController](#) documentation.

In the StoreFront Management Console, enable data provisioning. For more information, see *To manage the resources made available through stores* in the [StoreFront](#).

2. Optional: Customize the branding and messages that appear in notifications emailed from ShareFile.com when users send or request documents. For more information, see *Customize the web portal, logon page, and email notifications* in the [ShareFile](#) documentation.

If you plan to advertise to users that they can also use the ShareFile Web interface to share files, consider whether to configure custom branding for your ShareFile site. You can customize the ShareFile site at any time.

Access your ShareFile account at <https://subdomain.ShareFile.com>.

3. Provide your users with the information they need to get started.
  - If your deployment includes CloudGateway Enterprise, ShareFile services are automatically integrated with Receiver. That integration adds the Docs view to the main Receiver window. No user configuration is required. When a user logs on, they can view, edit, and share documents immediately.

## Providing ShareFile Services to Receiver Users

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- If your deployment does not include CloudGateway Enterprise, or if AppController has not been configured to integrate ShareFile services with Receiver, instruct users to configure their ShareFile account manually.
- Users with iOS devices must also enable Shared Documents, located in Settings > Advanced.

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# Provide RSA SecurID Authentication for Mobile Devices

If you configure the Access Gateway for RSA SecurID authentication, the Receiver supports Next Token Mode. With this feature enabled, if a user enters three (by default) incorrect passwords, the Access Gateway plug-in prompts the user to wait until the next token is active before logging on. The RSA server can be configured to disable a user's account if a user logs on too many times with an incorrect password.

For instructions to configure RSA SecurID authentication, in eDocs, expand your version of the [Access Gateway](#), and locate *Configuring RSA SecurID Authentication*.

RSA SecurID authentication is not supported for Secure Gateway configurations. To use RSA SecurID, use the Access Gateway.

## Installing RSA SecurID Software Tokens

An RSA SecurID Software Authenticator file has an .sdtid file extension. Use the RSA SecurID Software Token Converter to convert the .sdtid file to an XML-format 81-digit numeric string. Obtain the latest software and information from the RSA Web site.

Follow these general steps:

1. On a computer (not a mobile device), download the converter tool from: <http://www.rsa.com/node.aspx?id=2521>. Follow the instructions on the Web site and in the Readme included with the converter tool.
2. Paste the converted numeric string into an email and send it to user devices.
3. On the mobile device, make sure that the date and time are correct, which is required for authentication to occur.
4. On the device, open the email and click the string to start the software token import process.

After the software token is installed on the device, a new option appears in the Settings list to manage the token.

**Note:** For mobile devices that do not associate the .sdtid file with Receiver, change the file extension to .xml and then import it.



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# Provide access information to end users for Android

You must provide users with the Receiver account information they need to access their hosted applications, desktops, and data. You can provide this information by:

- Configuring email-based account discovery
- Providing users with a provisioning file
- Providing users with account information to enter manually

## Configure email-based account discovery

You can configure Receiver to use email-based account discovery. When configured, users enter their email address rather than a server URL during initial Receiver installation and configuration. Receiver determines the Access Gateway or StoreFront server, or AppController virtual appliance associated with the email address based on Domain Name System (DNS) Service (SRV) records and then prompts the user to log on to access their hosted applications, desktops, and data.

**Note:** Email-based account discovery is not supported if Receiver is connecting to a Web Interface deployment.

To configure your DNS server to support email-based discovery, see [Configuring Email-Based Account Discovery](#) in the StoreFront documentation.

To configure Access Gateway to accept user connections by using an email address to discover the StoreFront or Access Gateway URL, see [Connecting to StoreFront by Using Email-Based Discovery](#) in the Access Gateway documentation.

## Provide users with a provisioning file

You can use StoreFront to create provisioning files containing connection details for accounts. You make these files available to your users to enable them to configure Receiver automatically. After installing Receiver, users simply open the .cr file on the device to configure Receiver. If you configure Receiver for Web sites, users can also obtain Receiver provisioning files from those sites.

For more information, see the [StoreFront](#) documentation.

## Provide users with account information to enter manually

If providing users with account details to enter manually, ensure you distribute the following information to enable them to connect to their hosted and desktops successfully:

- The StoreFront URL or XenApp Services site hosting resources; for example: `servername.company.com`.
- For access using the Access Gateway, provide the Access Gateway address and required authentication method.

For more information about configuring the Access Gateway or Secure Gateway, see the [Access Gateway](#) or [XenApp](#) (for Secure Gateway) documentation.

When a user enters the details for a new account, Receiver attempts to verify the connection. If successful, Receiver prompts the user to log on to the account.

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# Save Passwords

Using the Citrix Web Interface Management console, you can configure the XenApp authentication method to allow users to save their passwords. When you configure the user account, the encrypted password is saved until the first time the user connects.

- If you enable password saving, Receiver stores the password on the device for future logons and does not prompt for passwords when users connect to applications.

**Note:** The password is stored only if users enter a password when creating an account. If no password is entered for the account, no password is saved, regardless of the server setting.

- If you disable password saving (default setting), Receiver prompts users to enter passwords every time they connect.

**Note:** For StoreFront connections, password saving is not available.

## To override password saving

If you configure the server to save passwords, users who prefer to require passwords at logon can override password saving:

- When creating the account, leave the password field blank.
- When editing an account, delete the password and save the account.

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# Try the Demonstration Site

When users launch Citrix Receiver for the first time, the welcome page offers the option to launch a demonstration account in the Citrix Cloud.

Users complete the account registration by entering their names and email addresses (email addresses are prepopulated on some devices). The demonstration site is already configured with published applications so your users can try Citrix Receiver right away.

Users can add, change, and remove their own accounts in Receiver.

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# Troubleshooting Citrix Receiver for Android

## Disconnected sessions

Users can disconnect from a Citrix Receiver session by pressing the Back button on the device.

The session remains in a disconnected state. Although the user can reconnect at a later time, you can ensure disconnected sessions are rendered inactive after a specific interval. To do this, configure a session timeout for the ICA-tcp connection in Remote Desktop Session Host Configuration (formerly known as "Terminal Services Configuration"). For more information about configuring Remote Desktop Services (formerly known as "Terminal Services"), refer to the Microsoft Windows Server product documentation.

## Known issues for configuration with Access Gateway

- For Standard Edition, when configuring authentication realms, these formats are not supported:
  - realm\username
  - user@realm
- For Standard Edition, preauthorization is not supported. You must disable this feature for authentication to be successful.
- On devices running on Android 2.2, the Receiver fails to render the log-on page if the XenApp server is configured with Access Gateway Enterprise Edition. To prevent this issue, configure the Access Gateway for No Authentication so that authentication is handled by the XenApp server.

Alternatively, install the Mozilla Firefox Web Browser for Android from the Android Market. From the Firefox browser, users can navigate to the Web Interface site and launch Citrix Receiver.

## Color depth limitation for sessions

The Android does not support 8-bit color depth in sessions. Make sure that all GPOs requiring Android support are set to a minimum of 16-bit color depth.

## Workspace control feature is not supported

If you use Receiver on a mobile device to connect to an application that is already launched from another Receiver, then the session is connected. However, Receiver for Android does not support the option to reconnect to an active session, a feature that is available when using Receivers on desktops.

## Connecting with a proxy is not supported

Receiver cannot connect to networks with WiFi or LAN proxies.