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1 Overview

The main emphasis of GroupWise 2014 is the enhancement of GroupWise installation, configuration, and administration. Agent and end-user enhancements are also included. For complete information about these enhancements, see “[What’s New in GroupWise 2014](#)” in the *[GroupWise 2014 Installation Guide](#)*.

Enhancements for Administrators

- ♦ **Simplified Installation and Upgrade:** GroupWise software files are quickly laid down by the GroupWise Installation Wizard. You then perform installation and upgrade tasks in the new web-based Installation console. You use the Installation console to create a new GroupWise system, to create domains and post offices on new GroupWise servers, and to upgrade an existing GroupWise system to GroupWise 2014.
- ♦ **New Web-Based Administration Tool:** The GroupWise Administration console enables you to perform all required GroupWise administration tasks for which ConsoleOne was used in the past. Many new and enhanced administrative features are also available. Now you can perform GroupWise administration anywhere you have a web browser and an Internet connection.
- ♦ **Directory-Agnostic Administration:** In addition to NetIQ eDirectory, Microsoft Active Directory can serve as the source of user information for GroupWise accounts. As an additional alternative, GroupWise users can be created without any directory association. The eDirectory schema is no longer modified with GroupWise-specific user information and objects. Standard LDAP access is used with both eDirectory and Active Directory. You can use different directories for different users in the same post office. You can use different directories for user provisioning and authentication.
- ♦ **Delegated Administration:** When you upgrade your GroupWise system to GroupWise 2014, a GroupWise Super Admin user is created. The Super Admin user can then delegate administration responsibilities to other GroupWise users to act as administrators on the system, domain, or post office level.
- ♦ **HTTP-Based GroupWise Administration Service:** GroupWise administration is now based on the GroupWise Administration Service that runs on each GroupWise server, along with any GroupWise agents that have been installed there. The Admin Service provides the communication between GroupWise servers and the Admin console so that drive mappings and mounted filesystems are no longer required.
- ♦ **Scriptable Administration:** The GroupWise Administration Service is based on the GroupWise Administration REST API, which allows you to create customized administrative actions through scripting.

- ♦ **Streamlined Client Software Updates:** The new Client Auto-Update feature replaces the software distribution directory for automatically updating GroupWise client software on users' workstations. The client software is automatically installed to each post office whenever the POA is updated. The software can be automatically distributed by the POA or by a web server.
- ♦ **New Administrative Command Line Utility:** The GroupWise Administration Utility (GWAdminUtil) performs the few administrative tasks that cannot be performed in the Admin console because they require direct file system access.

Enhancements for Users

- ♦ **GroupWise Client:** New, clean look and feel throughout; convenient slide-out in open messages for frequently used options; integrated signature in Compose view; easier file attachment; more flexible name completion; *Welcome* tab for new users.
- ♦ **GroupWise WebAccess:** New, clean look and feel throughout; mailbox auto-refresh for quick display of new items.
- ♦ **GroupWise WebAccess Mobile:** Mailbox auto-refresh for quick display of new items; attachment upload on tablets with hard drives; additional device support (Apple iPad 3, Android 4.1x or later devices, Kindle Fire HD7).

2 GroupWise System Requirements

For a complete list of GroupWise 2014 Tech Preview system requirements, see “[GroupWise System Requirements](#)” in the [GroupWise 2014 Installation Guide](#).

Compared with GroupWise 2012, the following server operating systems are no longer supported:

- ♦ Novell Open Enterprise Server (OES) 2
- ♦ SUSE Linux Enterprise Server (SLES) 10
- ♦ Windows Server 2003
- ♦ Windows Server 2003 R2
- ♦ Windows Server 2008

NOTE: Windows Server 2008 R2 is supported.

Compared with GroupWise 2012, the following desktop operating system is no longer supported for the GroupWise Windows client:

- ♦ Windows Vista

3 Linux Server Installation Instructions

- 1 In a terminal window, become `root` by entering `su -` and the `root` password.
- 2 Start the GroupWise Installation Wizard at the root of the downloaded *GroupWise 2014* software image:


`./install.sh`
- 3 Type the number for the language in which you want to run the GroupWise Installation Wizard, then press `Enter` to select *OK*.
- 4 (Optional) Type 1 for *Documentation*, then press `Enter` to review the Readme, Quick Start, and Installation Guide to better prepare yourself for the installation.
- 5 Type 2 for *Installation*, then press `Enter`.

- 6 Type *a* to accept the License Agreement and display the Software list.
- 7 Type *1* for *GroupWise Server*, then press Enter to display the Actions list.
- 8 Type *1* for *Install*, then press Enter to install the GroupWise Server component.
- 9 When the installation is finished, press any key to return to the Installation Options list.
- 10 Type *2* for *Configure*, then press Enter to start the GroupWise Admin Service and display instructions for accessing the Installation console.
- 11 Right-click the URL under *To install or configure a new GroupWise server*, then click *Open Link* to open your web browser.


If your web browser does not offer this functionality, open your web browser, then copy the URL into it.
- 12 Accept the self-signed certificate that the Installation Wizard has automatically provided for accessing the Installation console.
- 13 In the Installation console, click *Create a New GroupWise System*.

For additional instructions, see the [GroupWise 2014 Installation Guide](#).

4 Windows Server Installation Instructions

- 1 Run `setup.exe` at the root of the downloaded *GroupWise 2014* software image to start the GroupWise Installation Wizard.
- 2 Click *GroupWise Server* to install the GroupWise Server component.
- 3 Select the language in which you want to perform the installation, then click *OK* to start the GroupWise Server Setup Wizard.
- 4 Click *Next* to continue.
- 5 Accept the *License Agreement*, then click *Next* to display the Custom Setup page.
- 6 Click *Next* to continue, then click *Install* to install the GroupWise software.
- 7 When the GroupWise software has been installed, click *Finish* to return to the main page of the Installation Wizard, then close the Installation Wizard.
- 8 On your Windows desktop, double-click *GroupWise Install*  to open your web browser and access the Installation console.

This starts the GroupWise Admin Service and launches the GroupWise Installation console in your web browser.

After installation, use *GroupWise Admin Console*  to access the Admin console for ongoing GroupWise system administration.
- 9 Accept the self-signed certificate that the Installation Wizard has automatically provided for accessing the Installation console.
- 10 In the Installation console, click *Create a New GroupWise System*.

For additional instructions, see the [GroupWise 2014 Installation Guide](#).

5 Windows Client Installation Instructions

- 1 Run the GroupWise Installation Wizard (`setup.exe`) from the root of the downloaded *GroupWise 2014* software image.
- 2 Click *GroupWise Client* to start the GroupWise Client Setup Wizard.
- 3 Follow the on-screen instructions to install the GroupWise 2014 Tech Preview client software on your workstation.

6 Tech Preview Issues

- ♦ [Section 6.1, “Installation Issues,” on page 4](#)
- ♦ [Section 6.2, “Administration Issues,” on page 5](#)
- ♦ [Section 6.3, “Agent Issues,” on page 6](#)
- ♦ [Section 6.4, “Client Issues,” on page 6](#)
- ♦ [Section 6.5, “WebAccess Issues,” on page 8](#)
- ♦ [Section 6.6, “International Issues,” on page 8](#)

6.1 Installation Issues

- ♦ [Section 6.1.1, “Reboot Warning after Installation on Windows,” on page 4](#)
- ♦ [Section 6.1.2, “GroupWise Installation Console in Internet Explorer,” on page 4](#)
- ♦ [Section 6.1.3, “Windows WebAccess Does Not Upgrade,” on page 4](#)
- ♦ [Section 6.1.4, “Linux Installation on an NSS Volume,” on page 5](#)
- ♦ [Section 6.1.5, “Linux Installation across a Remote Connection,” on page 5](#)
- ♦ [Section 6.1.6, “Readme Display on Linux,” on page 5](#)

6.1.1 Reboot Warning after Installation on Windows

The GroupWise Installation Wizard prompts you to reboot the Windows server when the installation is finished. Rebooting is not necessary for an initial installation.

6.1.2 GroupWise Installation Console in Internet Explorer

Some versions of Internet Explorer do not successfully authorize access to the GroupWise Installation console.

To resolve the problem, add the GroupWise server to the list of trusted sites:

- 1 In Internet Explorer, click *Tools > Internet Options*.
- 2 Click the *Security* tab.
- 3 Click *Trusted Sites*, then click *Sites*.
- 4 Add the hostname of the GroupWise hostname to the list of trusted sites.
- 5 Click *Close*, then click *OK*.

6.1.3 Windows WebAccess Does Not Upgrade

If you install GroupWise 2014 WebAccess on a Windows server where WebAccess 2012 is already installed, the WebAccess software does not get upgraded. To perform the upgrade manually:

- 1 Rename the existing GroupWise 2012 `gw.war` file in the following folder:
`c:\Novell\tomcat6\webapps`
- 2 Copy the GroupWise 2014 `gw.war` file into the `webapps` folder from the following folder in the GroupWise 2014 software image:
`c:\gw2014_download\groupwise\webapps\webaccess\winroot\novell\tomcat6\webapps`
- 3 Restart the Tomcat6 service.
This deploys the GroupWise 2014 `gw.war` file.

6.1.4 Linux Installation on an NSS Volume

If you extract the *GroupWise 2014 Tech Preview* software image on an NSS volume, the following error displays:

```
Cannot hard link to `gw13.0.0-beta6_full_linux_multi/gwinst_legacy/external/usr/lib/python2.6/wsgiref/validate.pyc': Invalid argument
```

```
gw13.0.0-beta6_full_linux_multi/gwinst_legacy/external/usr/lib/python2.6/tempfile.pyc
```

As a workaround:

- 1 Extract the software image on a native Linux volume.

or

Enable hard links on the NSS volume by using the following commands:

```
nsscon  
nss /HardLinks=nss_volume
```

6.1.5 Linux Installation across a Remote Connection

If you connect to a Linux server across a remote connection such as ssh, the GroupWise Installation Wizard displays some garbage characters. To resolve the display problem, configure the remote connection to use the UTF-8 character set. The Installation program does work correctly even with the garbage characters displayed.

6.1.6 Readme Display on Linux

In the GroupWise Installation program, the Readme is displayed by using the **w3m** (<http://w3m.sourceforge.net>) text-based Web browser. After you display the Readme, type **q** for *Quit*, then type **y** for *Yes* to return to the Installation Wizard.

6.2 Administration Issues

- ♦ [Section 6.2.1, "Directory Synchronization Issue," on page 5](#)
- ♦ [Section 6.2.2, "Password Issue with GWAdminUtil," on page 6](#)

6.2.1 Directory Synchronization Issue

In order for directory synchronization to succeed, the user that the MTA uses to perform directory synchronization must have Read and Compare rights to all attributes on objects to synchronize.

In iManager:

- 1 Click *Rights > Modify Trustees*.
- 2 Browse to and select the container object where users are located, then click *OK*.
- 3 Click *Add Trustee*.
- 4 Browse to and select the user that the MTA can use to perform directory synchronization, then click *OK*.
- 5 For *[All Attribute Rights]*, select *Compare* and *Read*, then click *Done*.

6.2.2 Password Issue with GWAdminUtil

If you use special characters in a GroupWise administrator password, you cannot use the -p option of the GWAdminUtil command to specify the password, unless you surround the password with quote marks. This is typical of how operating systems interpret commands on the command line.

The preferred usage is to use the -p option without the password and let the operating system prompt you for the password.

6.3 Agent Issues

- ♦ [Section 6.3.1, “Agent Startup Files,” on page 6](#)
- ♦ [Section 6.3.2, “Agent Server Consoles,” on page 6](#)

6.3.1 Agent Startup Files

In GroupWise 2014, MTA startup files are stored in the domain folder, and POA startup files are stored in the post office folder. If you start the agents from the command line or in a script, you must always specify the full path to the agent startup file. For example:

```
./gwpoa --home /gwsystem/post_office_name  
./gwpoa @/gwsystem/post_office_name/post_office_name.poa
```

When you upgrade existing domains and post offices, existing agent startup files are left in their original locations if the upgrade process can locate them and can verify the locations of domains and post offices. If the upgrade process cannot locate existing startup files, or if the --home switch in the existing startup files specifies an invalid location, the upgrade process creates new startup files in the new GroupWise 2014 locations.

6.3.2 Agent Server Consoles

If you are currently running the GroupWise agents with server consoles (so that they provide a user interface on the server where they run), the upgrade process to GroupWise 2014 can proceed more smoothly if you run them without a user interface.

- ♦ On Linux, this means that you run them without the --show switch.
- ♦ On Windows, this means that you configure them as Windows services, rather than as Windows applications.

The upgrade process automatically uses the same agent configuration for GroupWise 2014 as the one being used for the existing version of GroupWise.

The GroupWise Admin console cannot stop and start the GroupWise agents when they run with a user interface. Stopping and starting the GroupWise agents is an important part of the upgrade process.

In GroupWise 2014, you should run the agents without a user interface and rely on the web-based agent consoles in order to monitor them.

6.4 Client Issues

- ♦ [Section 6.4.1, “Appointments Not Displayed in the Day View by Default,” on page 7](#)
- ♦ [Section 6.4.2, “Client Auto-Update from Beta 6 to Beta 7,” on page 7](#)
- ♦ [Section 6.4.3, “Client Auto-Update Not Working in Caching Mode,” on page 8](#)

6.4.1 Appointments Not Displayed in the Day View by Default

When you display your Calendar in the Day View, the Appointments section is not displayed by default. Click the *Appointment* icon to display appointments.

6.4.2 Client Auto-Update from Beta 6 to Beta 7

Under normal circumstances, Client Auto-Update can be triggered when you install an official update, such as going from GroupWise 2012 to GroupWise 2014. Beta 6 and Beta 7 have the same build number, so normal functioning does not trigger a Client Auto-Update. However, you can manually reset the GroupWise build number so that you can trigger a Client Auto-Update from Beta 6 to Beta 7.

To change the build number of the GroupWise client on a single Windows workstation:

- 1 Start `regedit`.
- 2 On a 64-bit workstation, go to the following registry entry:
`HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Novell\GroupWise\BuildNumber`
or
On a 32-bit workstation, go to the following registry entry:
`HKEY_LOCAL_MACHINE\SOFTWARE\Novell\GroupWise\BuildNumber`
- 3 Change the `BuildNumber` setting to something lower than 4852.

To change the build number on a GroupWise server:

- 1 Change to the following directory:

Linux: `/opt/novell/groupwise/agents/data/client/setup/win32`
Windows: `\Novell\GroupWise\GroupWise Server\Agents\Data\client\setup\win32`
- 2 Edit the `version.ini` file.
- 3 Change the `BuildNumber` setting to 4853.
- 4 (Conditional) If you are distributing the client software from a web server, copy the `win32` directory with the updated `version.ini` file to the web server as usual.
- 5 (Conditional) If you are using the `SetupIP.exe` file, generate it with `writeip.exe` after modifying the `version.ini` file, then distribute it as usual.

To trigger Client Auto-Update:

- 1 In the GroupWise Admin console, click *Post Offices*, then click the name of the post office where you want to trigger Client Auto-Update.
- 2 Click *More > Client Auto-Update*.
- 3 Review the current Client Auto-Update settings.
 - 3a Make sure that *Enabled* is set to *Yes*.
 - 3b (Conditional) If you are distributing the client software from a web server, make sure that the *URL* field displays the location of the client software on the web server.
- 4 (Conditional) If you need to change the settings before triggering the update, click *Modify Settings*, adjust the settings as needed, then return to the Client Auto-Update dialog box.

5 Click *Trigger Update*.

This increases the build number for the post office, so that it is greater than the build number in the registry on users' workstations. When GroupWise clients next connect with the POA, they detect that there is newer software available in the post office, and then start the Auto-Update process.

6.4.3 Client Auto-Update Not Working in Caching Mode

In Beta 6, when you trigger a Client Auto-Update, users who are running in Online mode are prompted to update their GroupWise client software the next time they log in. Users who are running in Caching mode are not prompted.

As a workaround for users, log in to the client in Online mode in order to receive the prompt and update the client software.

As a workaround for administrators, create a SetupIP.exe file and distribute it to the users who run in Caching mode.

This issue is resolved in Beta 7.

6.5 WebAccess Issues

- ♦ [Section 6.5.1, "Auto-Refresh across Multiple Environments," on page 8](#)

6.5.1 Auto-Refresh across Multiple Environments

When you log in to WebAccess (for example, on your desktop computer), Auto-Refresh keeps the mailbox content current in your desktop web browser. If you log in to a second environment (for example, on your tablet), Auto-Refresh starts refreshing the second environment, but stops refreshing the first environment.

If you return to the first environment, you must manually refresh your browser to display current content. If you resume working steadily in the first environment, you must log out of WebAccess, and then log back in again, in order to re-establish Auto-Refresh in the first environment.

Auto-Refresh refreshes only one environment at a time. Logging in activates Auto-Refresh for the current environment.

6.6 International Issues

- ♦ [Section 6.6.1, "Invalid Characters in Default Domain Name," on page 8](#)
- ♦ [Section 6.6.2, "Client Auto-Update for Multiple Languages," on page 9](#)
- ♦ [Section 6.6.3, "WebAccess Spell Checker Language," on page 9](#)

6.6.1 Invalid Characters in Default Domain Name

When you install a new GroupWise 2014 system in German or Portuguese, the default domain name includes a character that is considered invalid. Use a domain name that does not include accented characters.

Also, do not include spaces in a domain name.

6.6.2 Client Auto-Update for Multiple Languages

The Client Auto-Update feature does not handle the case where a user has multiple languages installed on a workstation. As a workaround, manually run the Client Setup Wizard (setup.exe) under the user's Temp folder on the workstation:

```
... \Temp\SetupIP\win32\setup.exe
```

This enables the Client Setup Wizard to prompt for the languages to install.

6.6.3 WebAccess Spell Checker Language

The default Spell Checker language in WebAccess does not match the WebAccess server language, the user's workstation language, or the user's browser language. After the user selects the desired language for the spell checker, the selected language is permanently retained.

7 GroupWise Documentation

GroupWise 2014 Tech Preview documentation is available on the [GroupWise 2014 Beta Documentation Web site](http://www.novell.com/documentation/beta/groupwise2014) (<http://www.novell.com/documentation/beta/groupwise2014>).

The *GroupWise 2014 Installation Guide* has been updated to provide comprehensive information about setting up a new GroupWise 2014 system and about upgrading an existing GroupWise 2012 or GroupWise 8 system to GroupWise 2014. However, the *GroupWise 2014 Installation Guide* is still under development. Please use the Doc Comments feature at the top and bottom of each HTML page to point out places where the documentation is unclear or incomplete.

Work on the *GroupWise 2014 Administration Guide* is just beginning. Therefore, it is not provided on the GroupWise 2014 Tech Preview Table of Contents. However, the *Administration Guide* does exist "behind the scenes" for a variety of testing purposes, and links from the *Installation Guide* to the *Administration Guide* are active. New topics are being added to the *Administration Guide* regularly, so please do not use the Doc Comments feature to provide feedback on it yet.

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