

# GroupWise Mobility Service 2

Authorized Beta Readme

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## 1 Overview

The GroupWise Mobility Service enables you to easily synchronize GroupWise data to mobile devices.

GroupWise Mobility Service 2 provides numerous enhanced features compared to its predecessor, Data Synchronizer Mobility Pack 1.2.5.

### Enhancements for Mobile Device Users

- ♦ **ActiveSync 12.1 Support:** Synchronization capabilities of newer mobile devices are supported by ActiveSync 12.1.
- ♦ **More Supported Devices and Device Operating Systems:** New in GroupWise Mobility Service 2 is BlackBerry Z10 support. Later versions of existing device operating systems are now supported.
- ♦ **Task Support:** Previously available only as a preview feature, GroupWise tasks are now fully supported. This includes personal tasks that you create for yourself, as well as tasks that others assign to you. It includes tasks that are originally created as tasks, as well as other item types that are changed into tasks or displayed as tasks.
- ♦ **Phone Message Support:** GroupWise phone messages are now synchronized.
- ♦ **Improved Address Book Management:** Users can select which GroupWise personal address book new contacts are added to when they are created on mobile devices.

### Enhancements for Administrators

- ♦ **Increased Scalability:** A Mobility system can support as many as 750 users and 1000 devices on a single Mobility server.
- ♦ **Redesigned Administration Console:** The browser-based Mobility Admin console has a fresh look. Users and groups are easier to manage.
- ♦ **Improved User/Device Synchronization Status:** User and device synchronization status can now be monitored from a single page in the Mobility Admin console.
- ♦ **New Monitoring Dashboard:** The new Dashboard in the Mobility Admin console provides detailed monitoring and reporting capabilities to keep you up to date on the functionality of your Mobility system.
- ♦ **New Email Alert Notifications:** To assist you when you are not watching the Dashboard, email alert notifications arrive in your mailbox to let you know when administrator intervention is required to keep your Mobility system running smoothly.
- ♦ **Improved Synchronization Troubleshooting:** The MCheck utility compares device data with GroupWise data and suggests solutions when discrepancies occur.

For more information about new functionality, see “[What’s New in GroupWise Mobility Service 2](#)” in the [GroupWise Mobility Service 2 Installation Guide](#).

## 2 Mobility Service System Requirements

See “[GroupWise Mobility Service System Requirements](#)” in the [GroupWise Mobility Service 2 Installation Guide](#).

## 3 Installation Instructions

Follow the instructions in this section if you are installing GroupWise Mobility Service 2 in order to create a new Mobility system.

The GroupWise Mobility Service 2 ISO is available from the [Novell Downloads website \(http://download.novell.com\)](http://download.novell.com). You use YaST to install the Mobility Service from the downloaded ISO.

- ♦ [Section 3.1, “Obtaining the GroupWise Mobility Service 2 ISO from the Novell Downloads Website,”](#) on page 2
- ♦ [Section 3.2, “Installing GroupWise Mobility Service 2 to Create Your New Mobility System,”](#) on page 2

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**NOTE:** If you need to uninstall and reinstall the GroupWise Mobility Service, follow the instructions in “[Uninstalling the Mobility Service](#)” in the [GroupWise Mobility Service 2 Installation Guide](#).

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### 3.1 Obtaining the GroupWise Mobility Service 2 ISO from the Novell Downloads Website

- 1 On [Novell Downloads \(http://download.novell.com\)](http://download.novell.com), select *GroupWise Mobility Service 2*, then click *Search*.
- 2 Click *Proceed to Download*, then follow the online instructions to download the GroupWise Mobility Service 2 ISO to a convenient temporary directory on the Mobility server.

`novell-groupwise-mobility-service-2.0.0-x86_64-build_number.iso`

- 3 Continue with [Installing GroupWise Mobility Service 2 to Create Your New Mobility System](#).

### 3.2 Installing GroupWise Mobility Service 2 to Create Your New Mobility System

- 1 Make sure that the Linux server where you plan to install the Mobility Service meets the system requirements, as listed in “[GroupWise Mobility Service System Requirements](#)” in the [GroupWise Mobility Service 2 Installation Guide](#).
- 2 Use YaST to install the Mobility Service ISO:
  - 2a Under *Groups*, click *Software*, then click *Add-On Products*.
  - 2b Install the Mobility Service as an add-on product.

For installation instructions, see “[Installing the Mobility Service](#)” in the [GroupWise Mobility Service 2 Installation Guide](#).

## 4 Update Instructions

Follow the instructions in this section to update an existing Data Synchronizer system to a GroupWise Mobility system. You can update any version of the Data Synchronizer Mobility Pack software to GroupWise Mobility Service 2.

- 1 Obtain the GroupWise Mobility Service 2 ISO from the [Novell Customer Center \(http://www.novell.com/customercenter\)](http://www.novell.com/customercenter).  
or  
Obtain the GroupWise Mobility Service 2 ISO from the [Novell Downloads website \(http://download.novell.com\)](http://download.novell.com).
- 2 Stop the Data Synchronizer services and verify that they have stopped:  

```
rcdatasync stop  
ps -eaf | grep datasync
```
- 3 In YaST, run *Patch CD Update* to install the Mobility Service ISO to your existing Data Synchronizer system.
- 4 Make sure that PostgreSQL is running:  

```
rcpostgresql status
```
- 5 Run the Mobility Service Update script:  

```
/opt/novell/datasync/update.sh
```

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**WARNING:** Do not cancel this process, even if it takes a very long time. Cancelling the process before it finishes can cause damage to the Mobility Service database.

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## 5 Installation Issues

- ♦ [Section 5.1, “GroupWise Trusted Application Creation,” on page 3](#)
- ♦ [Section 5.2, “YaST Untrusted Key Warning,” on page 4](#)
- ♦ [Section 5.3, “YaST Proposal Error,” on page 4](#)
- ♦ [Section 5.4, “YaST Error When Configuring LDAP,” on page 4](#)
- ♦ [Section 5.5, “Unnecessary Traffic Created by Extraneous Users,” on page 4](#)
- ♦ [Section 5.6, “Organization Container Required,” on page 5](#)
- ♦ [Section 5.7, “Feature Preview: GWAVA Integration,” on page 5](#)

### 5.1 GroupWise Trusted Application Creation

Before you run the GroupWise Mobile Service Installation program, you must create a GroupWise trusted application so that the GroupWise Sync Agent can log in to a GroupWise Post Office Agent (POA) in order to access GroupWise mailboxes without needing personal user passwords.

When you set up the GroupWise Sync Agent as a trusted application, you need to fill in only three fields in the Create Trusted Application dialog box in ConsoleOne:

- ♦ *Name*
- ♦ *Location for Key File*
- ♦ *Name of Key File*

Do not fill in any other fields. If you fill in additional fields, the trusted application does not work correctly with the GroupWise Sync Agent.

## 5.2 YaST Untrusted Key Warning

When you install the Mobility Service for the first time, you receive the following warning:

```
Import Untrusted GnuPG Key
```

The following GnuPG key has been found in repository Unknown: Unknown

This is normal for an initial installation of the Mobility Service. Click *Import* to continue.

## 5.3 YaST Proposal Error

When you run the GroupWise Mobility Service Installation program in YaST, you might see the following error:

The proposal contains an error that must be resolved before continuing

This error indicates that you clicked *Next* without providing the configuration information for your Mobility system. Instead of clicking *Next*, click *Change > Mobility Service Configuration*, then provide the configuration as prompted. After you provide the configuration information, click *Next*.

## 5.4 YaST Error When Configuring LDAP

When you run the GroupWise Mobility Service Installation program in YaST, the Installation program displays the following error if you click *Browse* next to the *LDAP User Container* field or next to the *LDAP GroupWise Container* field on the Mobility Service Settings page:

```
Connection to the LDAP server cannot be established
```

A possible reason for the failed connection may be that your client is configured for TLS/SSL but the server does not support it

```
Retry connection without TLS/SSL?
```

Click *Yes* to successfully browse for the user and group containers.

This error occurs regardless of whether you specified a secure LDAP port on the LDAP Server Settings page. The same error also appears if you click *Browse* on the Add Users and Groups page.

To avoid the error, type the information, rather than browsing for the LDAP users and groups.

You can configure a secure LDAP connection after installation, as described in “[Enabling and Disabling SSL for the Mobility Service LDAP Connection](#)” in the *GroupWise Mobility Service 2 Administration Guide*.

## 5.5 Unnecessary Traffic Created by Extraneous Users

When you add users to your Mobility system, data is automatically synchronized from GroupWise to the Device Sync Agent before users connect their mobile devices to your Mobility system. Do not add users to your Mobility system who do not have mobile devices. Extraneous users create unnecessary synchronization traffic in your Mobility system.

## 5.6 Organization Container Required

In order for you to browse for user and group LDAP containers, the Mobility Service Installation program requires an Organization container. If your tree does not have an Organization container, use the following workaround:

- 1 Create an empty Organization container in your tree.
- 2 Select it during the Mobility Service installation.
- 3 After installation, use the Mobility Admin console to provide the correct user and group LDAP containers, as described in “[Searching Multiple LDAP Contexts for Users and Groups](#)” in the *GroupWise Mobility Service 2 Administration Guide*.

## 5.7 Feature Preview: GWAVA Integration

The feature preview script (`previewfeature.sh`) lets you enable functionality that is currently under development but not yet officially released and supported. Such functionality is disabled by default, but you can use the feature preview script to enable it.

The new preview feature in GroupWise Mobility Service 2 is GWAVA Virus Scanning, which enables integration with the GWAVA Security Message Gateway.

- 1 Change to the following directory:

```
/opt/novell/datasync
```

- 2 Run the script to enable GWAVA Virus Scanning:

```
./previewfeature.sh --gwava --action enable
```

For usage details, contact [GWAVA \(http://www.gwava.com\)](http://www.gwava.com).

- 3 (Conditional) If you want to turn off the GWAVA integration, use the `disable` action:

```
./previewfeature.sh --gwava --action disable
```

## 6 Update Issues

- ♦ [Section 6.1, “Transition from ActiveSync 2.5 to 12.1,” on page 6](#)
- ♦ [Section 6.2, “Push Notification Issue,” on page 6](#)
- ♦ [Section 6.3, “New Command and Log File Names,” on page 6](#)
- ♦ [Section 6.4, “Increased Security through Obfuscation,” on page 7](#)
- ♦ [Section 6.5, “Long Update Process,” on page 7](#)
- ♦ [Section 6.6, “Update through ssh Not Recommended,” on page 7](#)
- ♦ [Section 6.7, “Update Issue from SLES 11 SP1 to SLES 11 SP2 or SP3,” on page 7](#)

## 6.1 Transition from ActiveSync 2.5 to 12.1

When mobile devices connect for the first time to a system that has been updated from the Data Synchronizer Mobility Pack to GroupWise Mobility Service 2, some devices automatically switch from ActiveSync 2.5 to 12.1. When this occurs, some devices prompt users to accept a new “security policy,” which can sound like a substantial change. In reality, no substantial change is being made, and users should simply accept the “policy” when prompted.

Users whose devices do not automatically switch from ActiveSync 2.5 to 12.1 probably are not aware that this change needs to take place in order to get the full benefit of updating to GroupWise Mobility Service 2. In the Dashboard in the Mobility Admin console, you can display what version of ActiveSync is in use on users’ devices.

- 1 In the *Details* panel of the Dashboard, click *Devices* to open the *Devices* listing panel.
- 2 Click drop-down list on the left end of the listing panel header, then click *Devices > Device Type* to display the *OS* and *Protocol* columns in the listing panel.
- 3 (Conditional) If any devices seem stuck using ActiveSync 2.5, contact the effected users and instruct them to delete and then re-add their email accounts on the devices to encourage the devices to make the transition.

## 6.2 Push Notification Issue

On devices where push notification is enabled, push notification might stop after updating to GroupWise Mobility Service 2. In most cases, the next time the Mobility Service restarts and these devices reconnect, push notification resumes. If some devices have not yet switched before the first Motility Service restart, additional restarts might be required. This issue will be resolved in the next Beta refresh.

## 6.3 New Command and Log File Names

The Data Synchronizer Mobility Pack `rcdatasync` command has been replaced with the `rcgms` command for the GroupWise Mobility Service.

The names of some of the log files have also changed:

Data Synchronizer Mobility Pack Log File Name	Mobility Service Log File Name
<code>engine.log</code> (unchanged)	<code>engine.log</code>
<code>configengine.log</code> (unchanged)	<code>configengine.log</code>
<code>server.log</code> (unchanged)	<code>server.log</code>
<code>connectorManager.log</code> (unchanged)	<code>connectorManager.log</code>
<code>default.pipeline1.groupwise-AppInterface.log</code>	<code>groupwise-sync-agent.log</code>
<code>default.pipeline1.groupwise.log</code>	<code>groupwise.log</code>
<code>default.pipeline1.mobility-AppInterface.log</code>	<code>mobility-sync-agent.log</code>
<code>default.pipeline1.mobility.log</code>	<code>mobility.log</code>

If you have scripts that reference the `rcdatasync` command or the connector log file names, you must update these scripts for use with the GroupWise Mobility Service.

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**IMPORTANT:** The old `rcdatasync-*` scripts are still installed with the GroupWise Mobility Service, because they are called by the new `rcgms` command, but they do not have any independent usage in your new Mobility system.

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## 6.4 Increased Security through Obfuscation

The LDAP server password and the GroupWise trusted application key are now obfuscated in the Mobility Admin console and in the configuration file where the string resides. You must use the Admin console in order to change these settings.

## 6.5 Long Update Process

The process of updating to GroupWise Mobility Service 2 from versions of the Data Synchronizer Mobility Pack earlier than 1.2.5 might take longer than previous Mobility Pack updates. It is not unusual for the Update script to run for over an hour for a large database. Do not cancel the Update script. Wait for it to run to completion.

## 6.6 Update through ssh Not Recommended

Updating the GroupWise Mobility Service software through an `ssh` connection is not recommended. An `ssh` connection can be interrupted before the update process finishes. An incomplete software update can leave the Mobility server in a non-working state.

## 6.7 Update Issue from SLES 11 SP1 to SLES 11 SP2 or SP3

When you update a Mobility server from SLES 11 SP1 to SP2 or SP3, you must select the GroupWise Mobility Service as an add-on product during the SLES update process. This informs the SLES update process that you want to retain the Mobility Service on the updated Mobility server. For more information, see TID 7010339, “How to Upgrade a Novell Data Synchronizer Mobility Pack Server to SLES 11 SP2” in the [Novell Support Knowledgebase \(http://www.novell.com/support\)](http://www.novell.com/support).

If you do not select the GroupWise Mobility Service during the SLES update, the Mobility Service RPMs are removed.

# 7 Mobility Admin Console Issues

- [Section 7.1, “References to “LDAP” in the Dashboard,” on page 7](#)
- [Section 7.2, “New GroupWise Users,” on page 7](#)

## 7.1 References to “LDAP” in the Dashboard

When you have chosen GroupWise as your user source, the Dashboard user interface still refers to “LDAP”. In this context, the *LDAP Connection* field in the system *Details* panel displays the status of the connection to your GroupWise system. The *LDAP ID* field in the user *Details* panel displays the *user\_name.post\_office.domain* address for the GroupWise user.

## 7.2 New GroupWise Users

When you add new users to GroupWise, they are not immediately available in the Mobility Admin console for adding to your Mobility system. They automatically become available within 30 minutes of when the Mobility Global Address List (GAL) is updated from the GroupWise Address Book.

## 8 Mobility Service Issues

- ♦ [Section 8.1, “Unsuccessful Shutdown,” on page 8](#)

### 8.1 Unsuccessful Shutdown

Occasionally, when you shut down the Mobility Service, related Python processes fail to shut down along with it. A message notifies you of the problem. To resolve the problem:

- 1 Use the following command to identify the Python processes that did not shut down:

```
pgrep -f /opt/novell/datasync
```

- 2 Use the following command to kill the Mobility Service python processes:

```
kill -9 $(pgrep -f /opt/novell/datasync)
```

- 3 Repeat the `ps` command to verify that all killed processes have actually shut down.

## 9 GroupWise Sync Agent Issues

None.

## 10 Device Sync Agent Issues

- ♦ [Section 10.1, “Synchronization to a Mobile Device Stops,” on page 8](#)
- ♦ [Section 10.2, “Multiple Device IDs for a Single Mobile Device,” on page 8](#)
- ♦ [Section 10.3, “Log File Security Issue,” on page 8](#)

### 10.1 Synchronization to a Mobile Device Stops

Occasionally, synchronization from GroupWise to a mobile device stops, perhaps because abnormal cellular network conditions resulted in dropped synchronization data. To resolve the situation, follow the instructions in “[Resynchronizing a Device](#)” in the *GroupWise Mobility Service 2 Administration Guide*. For additional troubleshooting assistance, see “[Device Troubleshooting](#)” in the *GroupWise Mobility Service 2 Administration Guide*.

### 10.2 Multiple Device IDs for a Single Mobile Device

In the Mobility Admin console, the User/Device Actions page might list two device IDs for one mobile device. Some mobile devices have one device ID for email and contact information, and a second device ID for calendar information. This is working as designed.

### 10.3 Log File Security Issue

If you set the Mobility Service log level to Debug, Subject lines are included in log files for troubleshooting purposes. This information identifies items that are experiencing synchronization problems.

If you use the Debug log level, ensure that log files are kept secure to protect users’ personal information. The Info log level is strongly recommended for a smoothly functioning Mobility system.

No text about recipients or from message bodies is included in log files.



# 11 Item Synchronization Issues

- [Section 11.1, “Copied Contacts,” on page 9](#)
- [Section 11.2, “Contacts with Pictures,” on page 9](#)
- [Section 11.3, “Large Distribution Lists,” on page 9](#)
- [Section 11.4, “Organizations,” on page 10](#)
- [Section 11.5, “Personal Address Books,” on page 10](#)
- [Section 11.6, “Shared Address Books,” on page 10](#)
- [Section 11.7, “Draft Items,” on page 10](#)
- [Section 11.8, “HTML Formatted Appointments,” on page 10](#)
- [Section 11.9, “Shared Calendars,” on page 10](#)
- [Section 11.10, “Reminder Notes,” on page 10](#)
- [Section 11.11, “Tasks,” on page 11](#)
- [Section 11.12, “Tasklists,” on page 11](#)
- [Section 11.13, “Attachments on Appointments,” on page 11](#)
- [Section 11.14, “Large Attachments,” on page 11](#)
- [Section 11.15, “Attachment Download on Windows 8,” on page 11](#)
- [Section 11.16, “Non-Synchronizing Folders,” on page 11](#)
- [Section 11.17, “Picture Quality,” on page 12](#)
- [Section 11.18, “Items Archived and Stubbed by a Third-Party Application,” on page 12](#)

## 11.1 Copied Contacts

If you copy a contact from one GroupWise address book to another, the contact is not synchronized to your mobile device in the destination address book. The GroupWise client links the original contact into the destination address book. Such links are not currently synchronized to your mobile device. However, on some mobile devices, you can search for contacts, regardless of which address book they are located in.

If the original contact is in an address book that is not synchronized to your mobile device, such as the Frequent Contacts address book, the copied contact does not appear on your mobile device, even when you are synchronizing the address book that it was copied into. If you want a copied contact to appear on your mobile device, delete the original contact from the original address book. This creates the contact as a normal contact in the address book that is being synchronized.

## 11.2 Contacts with Pictures

If you create a contact on your mobile device and add a picture to it, the contact might not synchronize to GroupWise if the picture that you added to the contact on your mobile device exceeds the GroupWise picture size limit. For more information, see [Section 11.17, “Picture Quality,” on page 12](#).

## 11.3 Large Distribution Lists

If a message synchronizes to your mobile device that has a very large number of recipients, your mobile device might seem to hang when opening the message. To prevent this problem, open an item that has a small distribution list, then configure your device to hide distribution lists.

## 11.4 Organizations

Organizations currently do not synchronize to mobile devices.

## 11.5 Personal Address Books

When your default personal address book synchronizes to your mobile device, it is named Contacts, rather than the name that you see in GroupWise.

When you create contacts on your mobile device, they are added to your default personal address book in GroupWise. If you want them added to a different personal address book, select that personal address book on the Mobility Settings page in the Mobility Admin console, as described in the [Mobility User Quick Start](#).

On some mobile devices, personal address books with categories appear to be duplicated. If this is a problem, remove the category from the personal address books.

## 11.6 Shared Address Books

Shared address books are synchronized to the owner's mobile device, but not to the mobile devices of those with whom the address book has been shared.

## 11.7 Draft Items

If you create a draft item on your mobile device, it does not synchronize to your Work in Progress folder in the GroupWise client. If you create a draft item in the GroupWise client, it does synchronize to your mobile device, but you cannot modify it on your mobile device.

## 11.8 HTML Formatted Appointments

Appointments with HTML formatting in GroupWise synchronize to mobile devices without the HTML-formatted text. As a result, you see the subject line of these appointments on your mobile device, but not the accompanying text that resides in the message body.

## 11.9 Shared Calendars

Shared calendars are synchronized to the owner's mobile device, but not to the mobile devices of those with whom the calendar has been shared.

If shared calendars are important to users, shared calendar owners can post them to the Internet using the GroupWise Calendar Publishing Host, as described in "[Publishing Personal Calendars on the Internet](#)" in the [GroupWise 2012 Windows Client User Guide](#). After the owner publishes the calendar, other users can view the calendar URL in the web browser on their mobile devices.

## 11.10 Reminder Notes

Reminder notes are synchronized to your device as all day events. If you edit the all day event on your mobile device, it synchronizes back to GroupWise as an all day event. If the reminder note has recipients besides yourself, this action schedules the other recipients for an all day event, which is not the intended outcome.

If you create a note on your mobile device using its native Note app, the note does not synchronize to GroupWise. The mobile device Note app is completely independent from GroupWise.

## 11.11 Tasks

Tasks that originate as other GroupWise item types (such as emails or calendar items), are synchronized as tasks when they are dragged to the Tasklist, when they are displayed in the Tasklist, or when they are changed to tasks. However, existing tasks of this type are not synchronized during initial synchronization. They synchronize to your device after they are modified in GroupWise.

## 11.12 Tasklists

The GroupWise Tasklist does not synchronize to mobile devices. You cannot create a tasklist on a mobile device that is associated with a GroupWise account.

## 11.13 Attachments on Appointments

Attachments on appointments are not supported on mobile devices. When you accept an appointment that has attachments, the attachments are removed as the appointment is added to your calendar on your mobile device.

As a workaround, you can delegate the appointment to yourself, accept the original appointment into your calendar, and retain the delegated appointment as an email item with attachments.

## 11.14 Large Attachments

Synchronizing large attachments to other applications and mobile devices can put a substantial load on the Mobility Service. To decrease the amount of data that is synchronized to mobile devices, you can control the maximum size of synchronized items, as described in “[Controlling Synchronization Size Limits](#)” in the *GroupWise Mobility Service 2 Administration Guide*.

## 11.15 Attachment Download on Windows 8

Attachments cannot be downloaded to devices that run Windows 8. This is a known problem with the Microsoft Mail Application that must be corrected by Microsoft.

## 11.16 Non-Synchronizing Folders

The following GroupWise folders do not synchronize to your mobile device:

- ♦ Shared folders

Shared folders do synchronize to your mobile device if you are the folder owner. Users with whom the folders are shared do not see the shared folders on their mobile devices.

- ♦ Find Results

A Find Results folder is a view of search results, not an actual folder in GroupWise.

- ♦ Documents
- ♦ POP and IMAP accounts
- ♦ RSS feeds
- ♦ Internet calendar subscription folders

Any folders that you move under a non-synchronizing folder no longer synchronize.

## 11.17 Picture Quality

GroupWise personal address books limit contact pictures to 64x64 pixels and less than 2K in size. Mobile devices often handle pictures with more pixels and a larger file size.

When pictures are synchronized from your mobile device to GroupWise, GroupWise makes two attempts to optimize the picture to fit within the GroupWise limits of 64x64 pixels and 2K file size. The resulting picture might not display as well as expected in the GroupWise personal address book. You can use an image editing program to manually adjust the original picture to fit within the GroupWise limits, and then synchronize it from your mobile device to GroupWise.

When pictures are synchronized from GroupWise to your mobile device, they might not display as well as expected on the mobile device because the GroupWise limit is retained on the mobile device.

## 11.18 Items Archived and Stubbed by a Third-Party Application

If your GroupWise system is backed up using an archive solution that employs GroupWise stubbing, GroupWise items synchronize to your mobile device when they are archived and stubbed in GroupWise. Stubbing replaces an existing item with a copy of the item, without any attachments and without the message body text.

# 12 International Issues

- ♦ [Section 12.1, “Language Versions of the Mobility Admin Console and Informational Messages on Mobile Devices,” on page 12](#)
- ♦ [Section 12.2, “Display Issue in Items Sent from a Mobile Device,” on page 13](#)

## 12.1 Language Versions of the Mobility Admin Console and Informational Messages on Mobile Devices

The Mobility Admin console is translated into the following languages:

- ♦ English
- ♦ French
- ♦ German
- ♦ Portuguese
- ♦ Spanish

These are the same as the standard GroupWise administration languages. Informational messages from the Mobility system to mobile devices are translated into the standard GroupWise user languages.

When users log in to the Mobility Settings page in the Mobility Admin console, the administration languages, not the user languages, are available.

## 12.2 Display Issue in Items Sent from a Mobile Device

When you send an item from a mobile device to a GroupWise user, text in the *To*, *From*, or message body fields might display as garbled in a version of GroupWise other than English. This occurs when the POA is running on 64-bit SLES, which does not include the `glibc-locale-32bit` RPM by default. To correct the problem, manually install the needed RPM from the SLES repository, then restart the POA.

This problem is resolved in GroupWise 2012 Support Pack 1.

## 13 Documentation

For all GroupWise Mobility Service documentation, see the [GroupWise Mobility Service 2 Documentation website](http://www.novell.com/documentation/groupwisemobility2) (<http://www.novell.com/documentation/groupwisemobility2>).

- ♦ *GroupWise Mobility User Quick Start*
- ♦ *GroupWise Mobility Service Readme*
- ♦ *GroupWise Mobility Service Installation Guide*
- ♦ *GroupWise Mobility Service Administration Guide*

In addition to the GroupWise Mobility Service product documentation, the following resources provide additional information about the Mobility Service:

- ♦ [Novell Support and Knowledgebase](http://www.novell.com/support) (<http://www.novell.com/support>)
- ♦ [GroupWise Mobility Service Support Forum](http://forums.novell.com/forumdisplay.php?f=939) (<http://forums.novell.com/forumdisplay.php?f=939>)
- ♦ [GroupWise Mobility Service Cool Solutions](http://www.novell.com/communities/cool solutions/datasynchronizer) (<http://www.novell.com/communities/cool solutions/datasynchronizer>)
- ♦ [GroupWise Mobility Service Devices Wiki](http://wiki.novell.com/index.php/Data_Synchronizer_Mobility_Connector_Devices) ([http://wiki.novell.com/index.php/Data\\_Synchronizer\\_Mobility\\_Connector\\_Devices](http://wiki.novell.com/index.php/Data_Synchronizer_Mobility_Connector_Devices))
- ♦ [GroupWise product website](http://www.novell.com/products/groupwise) (<http://www.novell.com/products/groupwise>)

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