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### Table of Contents

Accessing the Dashboard .................................................. 4

Adding Users ........................................................................ 6

- Adding Users Manually .................................................. 10
- Adding Users via Comma-Separated Values (CSV) Files ............. 13
- Adding Users via LDAP .................................................. 17
- Configuring the Organization for Hands-Off Enrollment .......... 21
  - Enabling Hands-Off Enrollment for Users Associated with an ActiveSync Server .................................................. 23
  - Enabling Hands-Off Enrollment for Users Associated with an LDAP Server .................................................. 24
- Enrolling Multiple Devices for a Single User ......................... 25

Adding Shared Users .......................................................... 26

Retrieving Device Information from ActiveSync Servers ........... 30

Custom Columns .................................................................. 31

User Enrollment .................................................................... 34

- The ZENworks Mobile Management App .............................. 34
- Enrolling Devices via a Shared User .................................. 34
- NFC Provisioning of Android 5.0+ Devices .......................... 35
- iOS Device Enrollment ..................................................... 36
  - iOS Configurator Devices ............................................. 36
  - Apple Device Enrollment Program (DEP) Devices ............ 36
  - App-less Enrollment ................................................... 37
- Devices without a ZENworks Mobile Management App .......... 38
  - ActiveSync Only Devices ............................................. 38
Accessing the Dashboard

**ZENworks Mobile Management** dashboard requirements:

- Microsoft Internet Explorer, Firefox, or Safari
- Adobe Flash Player 10.1.0
- Minimum screen resolution: 1024 x 768
- PC running Windows OS

In your Web browser, enter the server address of the **ZENworks Mobile Management** server, followed by `/dashboard`

Example: https://my.ZENworks.server/dashboard

**Standard Login**

Log in to the **ZENworks Mobile Management** dashboard using your administrative login credentials in one of the following formats:

- Locally authenticated logins enter: email address and password
- LDAP authenticated logins enter: domain\LDAP username and LDAP password

A system administrator can create additional logins to the dashboard with system administrator, organization administrator, or support administrator privileges. See the [System Administration Guide](#) for details.
OpenID Login

Use your OpenID credentials to log in.

1. At the ZENworks Mobile Management login screen, select the icon identifying the OpenID provider you use: ZENworks, Google, Yahoo!, or Facebook.

2. Enter the Zone or Organization, an easy to remember name ZENworks Mobile Management uses to redirect you to the OpenID provider portal.

3. At the provider site, enter your OpenID credentials.

   **Note:** If this is the first time you have logged in to ZENworks Mobile Management with an OpenID or your OpenID information has changed, you will be prompted for a PIN code before entering the ZENworks Mobile Management dashboard.

Zone Name and new PIN codes are emailed to you from the ZENworks Mobile Management server.
Adding Users

Use the Add New User Wizard to add users to the ZENworks Mobile Management system. The wizard allows you to add users one at a time, import a list of users from a .CSV file, or import users from an LDAP server. The methods for initially adding and provisioning users are as follows:

- **Manual** - Add individual users manually.

  If an LDAP server is specified when adding the user, that user must be present on the LDAP server. Selecting an LDAP server also allows policy suite, connection schedule, and liability to be assigned according to the settings associated with the LDAP group or folder to which the user belongs.

  Policy suite, connection schedule, and liability can also be assigned according to the settings associated with a local group to which you can assign the user. Local group settings will override LDAP group/folder settings.

  Administrators can also make direct policy suite, connection schedule, and liability assignments to the user, which override settings from all other sources.

- **Batch Import Methods** - User credentials can be imported from an LDAP directory or via a Comma Separated Values (.CSV) file.

  - **.CSV** - All users imported in a single .CSV batch are assigned the same device ownership, plan type, carrier, and expiration.

    If an LDAP server is specified when adding the users, those users must be present on the LDAP server. Selecting an LDAP server also allows policy suite, connection schedule, and liability to be assigned according to the settings associated with the LDAP groups or folders to which users belong.

    Policy suite, connection schedule, and liability can also be assigned according to the settings associated with a local group to which you can assign the group of users. Local group settings will override LDAP group/folder settings.

    Administrators can also make direct policy suite, connection schedule, and liability assignments to the users, which override settings from all other sources.

  - **LDAP** - All users imported in a single LDAP batch are assigned the same device ownership, plan type, carrier, and expiration.

    Policy suite, connection schedule, and liability can be assigned according to the settings associated with the LDAP groups or folders to which users belong.

    Policy suite, connection schedule, and liability can also be assigned according to the settings associated with a local group to which you can assign the group of users. Local group settings will override LDAP group/folder settings.

    Administrators can also make direct policy suite, connection schedule, and liability assignments to the users, which override settings from all other sources.

- **Hands-Off Enrollment** - Configure the organization for hands-off enrollment. To free the administrator from the task of adding users either manually or by batch import, ZENworks Mobile
ZENworks Mobile Management can be configured to allow users to self-enroll. When the user enrolls a device an account is created and auto-provisioned on the ZENworks Mobile Management server using preset policy suite, connection schedule, and liability settings associated with local groups, LDAP groups or folders or organization default assignments.

User provisioning sources and the order in which they are applied

Users’ policy suite, device connection schedule, and liability settings can originate from a variety of sources.

1<sup>st</sup> **Direct assignment**: An administrator can specify policy suite, device connection schedule, and liability when adding the user(s). Settings assigned this way override settings associated with a local group or LDAP group/folder to which the user belongs or organization defaults. Direct assignments take precedence over all other provisioning sources and will not change as a result of updates to the groups or defaults.

2<sup>nd</sup> **Local group assignment**: Policy suite, device connection schedule, and liability are obtained from the settings associated with the local group to which users belong. Settings associated with local groups take precedence over settings associated with LDAP groups/folders. Changes made to local group settings will automatically update users.

3<sup>rd</sup> **LDAP group or folder assignment**: Policy suite, device connection schedule, and liability are obtained from the LDAP group (highest priority group first) to which the user belongs. If the user does not have group membership, the folder (by folder hierarchy) to which the user belongs is the source for the settings. Regular periodic checks with the LDAP server will update user information and assignments if they change.

4<sup>th</sup> **Organization defaults**: Policy suite, device connection schedule, and liability will default to organization settings when a user is not assigned to a local or LDAP group or when local groups or LDAP groups/folders are not configured with settings.
Welcoming New Users to ZENworks Mobile Management

You can use a Welcome Letter to get information to new users when they are added to the ZENworks Mobile Management system. Before you start adding users to ZENworks Mobile Management, create Welcome Letters and configure the organization so that they are sent automatically. You can also manually issue the email to individual users at any time.

Information you might include in a Welcome Letter:

- Links to resources, such as the device app downloads, user documentation, and the user self-administration portal
- Details of policies that may change device functionality
- New features that make devices more secure

Creating a Welcome Letter

There is a Welcome Letter associated with each policy suite so that users under that policy receive information that pertains specifically to them.

Select Organization > Policy Management > Policy Suites. Highlight a policy and select the Welcome Letter option in the left panel to edit the letter.

Welcome Letters will not be sent automatically unless the organization is configured to do so. See Automating the Welcome Letters below.
Automating the Welcome Letters

Configure the organization so that Welcome Letters are automatically emailed to every user that is added to the ZENworks Mobile Management server.

Select System > Organization and select the Send Welcome Letter to Users option.

Sending the Welcome Letter to Individual Users

You can also issue the Welcome Letter as needed, on a per user basis.

Select Users and highlight a user. Click the Send Welcome Letter option in the Device Panel.
Adding Users Manually

Administrators can manually create individual user accounts in an organization. When a user account is created on the ZENworks Mobile Management server, one or more devices can be enrolled.

To Add Users Manually

1. From the ZENworks Mobile Management dashboard header, select Users.
2. Click the Add User option to use the Add New User Wizard.
4. Enter the user information (see descriptions below), then click Next. * = required field

<table>
<thead>
<tr>
<th><strong>ActiveSync server</strong> *</th>
<th>Select an ActiveSync server for the user or select None. If the ActiveSync server is linked to an LDAP server, the LDAP server field will populate as well.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LDAP Server</strong> *</td>
<td>Select an LDAP server for the user or select None. If an LDAP server is specified when adding the user, that user must be present on the LDAP server. Selecting an LDAP server also allows policy suite, connection schedule, and liability to be assigned according to the settings associated with the LDAP groups or folders to which the user belongs. This server can also be referenced for user updates and custom column information.</td>
</tr>
<tr>
<td><strong>Authentication Method</strong></td>
<td>Displays the method used to authenticate the user: ActiveSync, LDAP, or ZMM server authentication</td>
</tr>
<tr>
<td><strong>User Name</strong> *</td>
<td>For users associated with an ActiveSync server, enter their ActiveSync account user name. For users on systems that do not use the ActiveSync protocol, enter a unique user name for their ZENworks Mobile Management user account.</td>
</tr>
<tr>
<td><strong>First and Last Name</strong></td>
<td>Enter the user's name.</td>
</tr>
<tr>
<td><strong>Domain</strong></td>
<td>If the ActiveSync server to which the user has been assigned requires a domain, enter it here. This also provides one way to configure the user for enrolling multiple devices against a single account. (See, Enrolling Multiple Devices on a Single Account.)</td>
</tr>
<tr>
<td><strong>Password</strong> *</td>
<td>* Required for users on systems that do not use the ActiveSync protocol. Enter a unique password for their ZENworks Mobile Management user account.</td>
</tr>
<tr>
<td><strong>E-mail Address</strong> *</td>
<td>Enter the user's email address.</td>
</tr>
<tr>
<td><strong>Plan Type</strong></td>
<td>Choose International, Domestic, or Unknown.</td>
</tr>
<tr>
<td><strong>Phone Number</strong></td>
<td>Enter the phone number of the user’s mobile device. This can be used for sending an SMS notification to the user regarding their enrollment.</td>
</tr>
<tr>
<td><strong>Carrier</strong></td>
<td>Select the user’s carrier from the drop-down list. See a list of supported carriers.</td>
</tr>
<tr>
<td><strong>Send Enrollment Message</strong></td>
<td>Select the SMS box to send an SMS enrollment message.</td>
</tr>
</tbody>
</table>
**Enrollment Message**
Enter an SMS enrollment message up to 160 characters. You may want to include links to resources such as the device app downloads, user documentation, and the user self-administration portal.

5. If you are using local groups to categorize users, choose local group assignments for the user.
   
   Click *Next*.

![Add New User Wizard](image.png)

6. Make selections for provisioning the user if necessary, then click *Finish*.

   If you have categorized the user in a local group or if an LDAP server has been specified and configured for provisioning users, you do not have to make selections for *Policy Schedule/Suite, Device Connection Schedule, Liability*, or the *Novell Filr* profile unless you want to make direct assignments that override the provisioning settings associated with the local groups or LDAP groups/folders.

   To override provisioning settings associated with local groups or LDAP groups/folders, check the box next to *Override Default Assignments*. These checkboxes do not appear if you have not specified an LDAP server or local group.

   If not overridden, provisioning settings are obtained from the following sources, in this order: Local group(s), LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization defaults.

![Default Policy Settings](image.png)
### Policy Enforcement Type
Select **Standard** or **Schedule-Based**. For schedule-based enforcement, a schedule defines the days and times during which users are working. If this method is chosen, you will also define two policy suites - one to be used during the scheduled hours and one to be used outside the scheduled hours. **Standard** policy enforcement executes the same policy suite at all times.

### Policy Schedule (schedule-based)
The schedule that defines the days and times during which users are working.

### Policy Suite (standard)
Select a (**Standard**) Policy Suite for the user. (This field is not displayed if you choose **Schedule-Based** enforcement.)
If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.

### Policy Suite During Schedule/
Policy Suite Outside Schedule (schedule-based)
The policy suite enforced during scheduled hours and the policy suite enforced outside scheduled hours.
If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.

### Device Connection Schedule
Select a Device Connection Schedule for the user.
If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.

### Device Liability
Liability refers to who owns the data on the device. Liability determines whether the corporate or individual component of the policy suite is assigned to the user. Choose **Corporate** (corporate liable) or **Individual** (individual liable).
If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.

### Novell Filr
Assign a profile to the user to configure the Novell Filr app on Android devices and iOS devices running iOS 7.1 or higher and Filr app 1.0.4 or higher. The Filr app itself can be uploaded to the device from Managed Apps. This profile will configure the app.
**Note:** Users of Android devices not using Google Cloud Messaging (GCM) service must synchronize the ZENworks Mobile Management application to pull down an assigned Novell Filr profile.

### Device Ownership
Choose **Company** (the user’s device is company owned) or **Personal** (the user’s device is personally owned).

### Expiration
Select a date for the user to be disabled or removed from the system. Choose **Never**, or a date on which to expire the user. Specify the action to take upon expiration: **Disable** or **Remove**. Expirations occur at the beginning of the designated day (12:00 a.m.)
**Note:** Setting expirations for users in an organization configured for Hands-off enrollment is counterproductive. Users will be able to re-enroll the device app.
Adding Users via Comma-Separated Values (CSV) Files

An administrator can import a group of users to the ZENworks Mobile Management server via a .CSV file. User names, email addresses, and passwords of users are entered into a spreadsheet template.

The administrator then makes provisioning assignments for the batch of users. All users imported in a single batch are assigned the same device ownership, plan type, carrier, and expiration.

Policy schedule/suite, device connection schedule, and liability assignments can originate from the settings associated with the LDAP groups/folders or the local groups. Administrators can also make direct assignments to the users, which override settings from all other sources and will not change as a result of updates to the groups or defaults.

The file is then uploaded to the ZENworks Mobile Management server where user credentials from the file and the provisioning assignments are merged to create new ZENworks Mobile Management user accounts.

Importing Users from .CSV Files

1. From the ZENworks Mobile Management dashboard header, select Users.
2. Click the Add User option to use the Add New User Wizard.
3. Select .CSV from the Add New User Wizard dialog.

4. Download the .CSV spreadsheet template and save it in the desired location. Open the file and enter the information listed below for each user and save the changes to your file.

   Leave the headings in row 1 of the spreadsheet and begin entering user information in row 2.

   - user name
   - first name
   - last name
   - domain
   - email address
   - password
5. In the *Add New User Wizard*, make selections for provisioning the users. * = required field

<table>
<thead>
<tr>
<th>ActiveSync server *</th>
<th>Select an ActiveSync server for the users or select None. If the ActiveSync server is linked to an LDAP server, the LDAP server field will populate as well.</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDAP Server *</td>
<td>Select an LDAP server for the users or select None. If an LDAP server is specified when adding the users, those users must be present on the LDAP server. Selecting an LDAP server also allows policy suite, connection schedule, and liability to be assigned according to the settings associated with the LDAP groups or folders to which users belong. This server can also be referenced for user updates, and custom column information.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Authentication Method</th>
<th>Displays the method used to authenticate the users: ActiveSync, LDAP, or ZMM server authentication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan Type</td>
<td>Choose International, Domestic, or Unknown.</td>
</tr>
<tr>
<td>Carrier</td>
<td>Select the users’ carrier from the dropdown list. See a list of supported carriers.</td>
</tr>
</tbody>
</table>

6. Upload the .CSV file with the users’ credentials by clicking the *Upload File* button. When it is finished uploading you will see a number next to the label, *Number of users detected*. Click *Next*.

7. If you are using local groups to categorize users, choose local group assignments for the users imported via the .CSV file. Policy suite, connection schedule, and liability can be assigned according to the settings associated with the local group(s) to which you assign the group of users. Local group settings will override LDAP group/folder settings. Click *Next*. 

![Add New User Wizard](image-url)
8. Make additional selections for provisioning the users if necessary. Click **Finish**.

If you have categorized the users in a local group or if an LDAP server has been specified and configured for provisioning users, you do not have to make selections for **Policy Schedule/Suite**, **Device Connection Schedule**, **Liability**, or the **Novell Filr** profile unless you want to make direct assignments that override the provisioning settings associated with the local groups or LDAP groups/folders.

To override provisioning settings associated with local groups or LDAP groups/folders, check the box next to **Override Default Assignments**. These checkboxes do not appear if you have not specified an LDAP server or local group.

If not overridden, provisioning settings are obtained from the following sources, in this order: Local group(s), LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization defaults.

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### Policy Enforcement Type

Select **Standard** or **Schedule-Based**. For schedule-based enforcement, a schedule defines the days and times during which users are working. If this method is chosen, you will also define two policy suites - one to be used during the scheduled hours and one to be used outside the scheduled hours. **Standard** policy enforcement executes the same policy suite at all times.

### Policy Schedule (schedule-based)

The schedule that defines the days and times during which users are working.

### Policy Suite (standard)

Select a **(Standard)** Policy Suite for the user. (This field is not displayed if you choose **Schedule-Based** enforcement.)

If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.

### Policy Suite During Schedule/Policy Suite Outside Schedule (schedule-based)

The policy suite enforced during scheduled hours and the policy suite enforced outside scheduled hours.

If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.
**Device Connection Schedule**
Select the Device Connection Schedule for the user.
If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.

**Device Liability**
Liability refers to who owns the data on the device. Liability determines whether the corporate or individual component of the policy suite is assigned to the user. Choose *Corporate* (corporate liable) or *Individual* (individual liable).
If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.

**Novell Filr**
Assign a profile to the users to configure the Novell Filr app on Android devices or iOS devices running iOS 7.1 or higher and Filr app 1.0.4 or higher. The Filr app itself can be uploaded to the device from Managed Apps. This profile will configure the app.
*Note:* Users of Android devices not using Google Cloud Messaging (GCM) service must synchronize the ZENworks Mobile Management application to pull down an assigned Novell Filr profile.

**Device Ownership**
Choose *Company* (user’s device is company owned) or *Personal* (user’s device is personally owned).

**Expiration**
Select a date for the user to be disabled or removed from the system. Choose *Never*, or a date on which to expire the user. Specify the action to take upon expiration: *Disable* or *Remove*. Expirations occur at the beginning of the designated day (12:00 a.m.)
*Note:* Setting expirations for users in an organization configured for Hands-off enrollment is counterproductive. Users will be able to re-enroll the device app.

9. Click **Add Users**. The Users grid will begin to populate with new users.
Adding Users via LDAP

When an Administrative LDAP server is defined for an organization, an administrator can retrieve user information from the corporate LDAP directory and use it to add users to ZENworks Mobile Management.

All users imported in a single batch are assigned the same domain, device ownership, plan type, carrier, and expiration.

Policy schedule/suite, device connection schedule, and liability assignments can originate from the settings associated with the LDAP groups/folders or the local groups. Administrators can also make direct assignments to the users, which override settings from all other sources and will not change as a result of updates to the groups or defaults.

When assignments originate from settings associated with LDAP groups/folders, regular periodic checks with the LDAP server will update user information and assignments if they change. When assignments originate from settings associated with local groups, changes made to the group settings will automatically update users.

LDAP Configuration Tip: When configuring the Administrative LDAP server, you can limit the number of unnecessary folders/groups pulled from the LDAP server, by entering the LDAP Base DN so that it includes only the required users/groups. This prevents unnecessary users/groups (like computers and computer groups) from being selected.

Importing Users from an LDAP Directory

1. From the ZENworks Mobile Management dashboard header, select Users.
2. Click the Add User option to use the Add New User Wizard.
3. Select LDAP from the Add New User Wizard dialog.
4. Select an LDAP Server to query.
5. Select the users to pull from the LDAP server using the search filter. Browse the LDAP directory in the left panel and select a folder/group. Click **Search** to display the members of the folder/group in the right panel.

Folders and groups are distinguished in the directory list by these symbols.

You can also enter a specific username in the **Username** search bar or use a wildcard symbol (*) in the search to filter your search. Examples: ja* returns usernames that begin with “ja”; *son* returns usernames that contain “son.”

6. Select a username from the grid on the right, or hold the Ctrl key down as you click to select multiple usernames, or click **Select All**. Click **Next**.

7. If you are using local groups to categorize users, choose local group assignments for the users imported from the LDAP server. Click **Next**.

Policy suite, connection schedule, and liability can be assigned according to the settings associated with the local group(s) to which you assign the group of users. Local group settings will override LDAP group/folder settings.
8. Make selections for provisioning the users if necessary.

If you have categorized the users in a local group or if an LDAP server has been specified and configured for provisioning users, you do not have to make selections for Policy Schedule/Suite, Device Connection Schedule, Liability, or the Novell Filr profile unless you want to make direct assignments that override the provisioning settings associated with the local groups or LDAP groups/folders.

To override provisioning settings associated with local groups or LDAP groups/folders, check the box next to Override Default Assignments. These checkboxes do not appear if you have not specified an LDAP server or local group.

If not overridden, provisioning settings are obtained from the following sources, in this order: Local group(s), LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization defaults.

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**Policy Enforcement Type**

Select **Standard** or **Schedule-Based**. For schedule-based enforcement, a schedule defines the days and times during which users are working. If this method is chosen, you will also define two policy suites - one to be used during the scheduled hours and one to be used outside the scheduled hours. **Standard** policy enforcement executes the same policy suite at all times.

**Policy Schedule** (schedule-based)

The schedule that defines the days and times during which users are working.

**Policy Suite** (standard)

Select a (Standard) Policy Suite for the user. (This field is not displayed if you choose Schedule-Based enforcement.) If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.

**Policy Suite During Schedule/ Policy Suite Outside Schedule** (schedule-based)

The policy suite enforced during scheduled hours and the policy suite enforced outside scheduled hours.

If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.
| Device Connection Schedule | Select the Device Connection Schedule for the user.  
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.</td>
</tr>
</tbody>
</table>
| Device Liability           | Liability refers to who owns the data on the device. Liability determines whether the corporate or individual component of the policy suite is assigned to the user. Choose Corporate (corporate liable) or Individual (individual liable).  
|                            | If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings. |
| Novell Filr                | Assign a profile to the users to configure the Novell Filr app on Android devices or iOS devices running iOS 7.1 or higher and Filr app 1.0.4 or higher. The Filr app itself can be uploaded to the device from Managed Apps. This profile will configure the app.  
|                            | **Note:** Users of Android devices not using Google Cloud Messaging (GCM) service must synchronize the ZENworks Mobile Management application to pull down an assigned Novell Filr profile. |
| Device Ownership           | Choose Company (user's device is company owned) or Personal (user's device is personally owned). |
| Expiration                 | Select a date for the user to be disabled or removed from the system. Choose Never, or a date on which to expire the user. Specify the action to take upon expiration: Disable or Remove. Expirations occur at the beginning of the designated day (12:00 a.m.)  
|                            | **Note:** Setting expirations for users in an organization configured for Hands-off enrollment is counterproductive. Users will be able to re-enroll the device app. |

9. Click **Add Users** when you have finished making your selections. The **Users** grid will begin to populate with new users.
Configuring the Organization for Hands-Off Enrollment

Configuring an organization for Hands-Off enrollment enables users to self-enroll. When the user enrolls a device, an account is created and auto-provisioned on the ZENworks Mobile Management server using preset organization default assignments or assignments associated with LDAP groups/folders or local groups. This frees the administrator from the task of adding users either manually or by batch import.

Hands-Off enrollment can be configured two ways:

- Enable the Hands-Off Enrollment option when defining an ActiveSync server so that users with credentials on the ActiveSync server can self-enroll against the ZENworks Mobile Management server. When the user enrolls a device, an account is created and auto-provisioned using the organization default settings.

- Enable the Hands-Off Enrollment option when defining an LDAP server so that users with credentials on the LDAP server can self-enroll against the ZENworks Mobile Management server. You can allow hands-off enrollment for all users associated with the LDAP server or you can allow it only for selected LDAP folder/group members. When the user enrolls a device, an account is created and auto-provisioned using assignments associated with LDAP groups/folders to which users belong.

When an ActiveSync and LDAP server are linked, configuring one server for hands-off enrollment will automatically configure the other server for hands-off enrollment.

Setting expirations for users in an organization configured for hands-off enrollment is counterproductive, since users will always be able to re-enroll the device app.

Requirements for Novell GroupWise DataSync and Other ActiveSync 2.5 Mail Servers

Systems where iOS users are interfacing with a Novell GroupWise DataSync server must use DataSync Update 4 (Mobility 1.2.4) to fully utilize the hands-off enrollment functionality. Users need to enroll using their entire email address in lieu of their username if they are enrolling by the hands-off method. Similar processes must be followed to use hands-off enrollment when users interface with Exchange 2003 or any other mail server running ActiveSync 2.5 protocol. A user's username and the string of characters to the left of the @ sign in their email address must be the same.

Organization and Hands-Off Enrollment Defaults

Organization defaults: Policy suite, device connection schedule, and liability will default to organization settings when the enrolling user is not assigned to a local group or LDAP group or when local groups or LDAP groups/folders are not configured with settings.

The organization defaults, as they appear on the Organization Settings page, are shown below:
Policy Enforcement Type

Select **Standard** or **Schedule-Based**. For schedule-based enforcement, a schedule defines the days and times during which users are working. If this method is chosen, you will also define two policy suites - one to be used during the scheduled hours and one to be used outside the scheduled hours. **Standard** policy enforcement executes the same policy suite at all times.

Policy Schedule (schedule-based)

The schedule that defines the days and times during which users are working.

Policy Suite (standard)

Select a **(Standard)** Policy Suite for the user. (This field is not displayed if you choose **Schedule-Based** enforcement.)

Policy Suite During Schedule/
Policy Suite Outside Schedule (schedule-based)

The policy suite enforced during scheduled hours and the policy suite enforced outside scheduled hours.

Device Connection Schedule

Select the Device Connection Schedule for the user.

LDAP Server

Policy suite, device connection schedule, and liability can be obtained from the LDAP group (highest priority group first) to which the user belongs. If the user does not have group membership, the folder (by folder hierarchy) to which the user belongs is the source for the settings. Regular periodic checks with the LDAP server will update user information and assignments if they change.

Liability

Liability refers to who owns the data on the device. Liability determines whether the corporate or individual component of the policy suite is assigned to the user. Choose **Corporate** (corporate liable) or **Individual** (individual liable).

**Hands-Off Enrollment Defaults**

**Local Groups:** If you specify one or more local groups to which users will be added when they enroll, policy suite, device connection schedule, and liability are obtained from the settings associated with the local group(s). Settings associated with local groups take precedence over settings associated with LDAP groups/folders. Changes made to local group settings will automatically update users.

Click the **Import Local Groups** button and select the group or group to which enrolling users will be added.
Enabling Hands-Off Enrollment for Users Associated with an ActiveSync Server

Enabling the *Hands-Off Enrollment* option, when defining an ActiveSync server, allows any user with credentials on the ActiveSync server to enroll against the ZENworks Mobile Management server. Hands-off enrollment will be set automatically for an ActiveSync server if it is set for a linked LDAP server.

You must also provide a domain that is configured on this server. Hands-off enrollment requires users to enroll with the domain in the `domain\username` or `user@domain` format. If an LDAP server is linked to this ActiveSync server, the LDAP server's domain can also be used for logging in.

Users are automatically added to the ZENworks Mobile Management server, as long as their credentials are recognized by the ActiveSync server. ZENworks Mobile Management creates the new account using the ActiveSync user account credentials and the user is auto-provisioned using preset organization default assignments or assignments associated with LDAP groups/folders or local groups.

1. From the ZENworks Mobile Management dashboard header, select *Organization*.
2. From the drop-down menu, select *Administrative Servers > ActiveSync Servers*.
3. From the left panel, select an existing ActiveSync server or create a new ActiveSync server by choosing *Add ActiveSync Server*.
4. Select the box labeled *Allow Hands-Off Enrollment* and make sure you have specified at least one *Domain* for the server. You can enter multiple domains if necessary for your configuration.
5. Click *Finish* or *Save Changes*.
Enabling Hands-Off Enrollment for Users Associated with an LDAP Server

Enabling the *Hands-Off Enrollment* option, when defining an LDAP server, allows users with credentials on the LDAP server to enroll against the ZENworks Mobile Management server. Hands-off enrollment will be set automatically for an LDAP server if it is set for a linked ActiveSync server.

Users are automatically added to the ZENworks Mobile Management server, as long as their credentials are recognized by the LDAP server or an ActiveSync server associated with the LDAP server. ZENworks Mobile Management creates the new account using the user’s LDAP account credentials and the user is auto-provisioned using preset organization default assignments or assignments associated with LDAP groups/folders or local groups.

You can allow hands-off enrollment for all users associated with the LDAP server or you can allow it only for selected LDAP folder/group members.

1. From the ZENworks Mobile Management dashboard header, select **Organization**.
2. From the drop-down menu, select **Administrative Servers > LDAP Servers**.
3. From the left panel, select an existing LDAP server or create a new LDAP server by choosing **Add LDAP Server**.
4. Select the **Hands-Off Enrollment Settings** option. You can allow hands-off enrollment for all users associated with the LDAP server or limit it to selected LDAP folder/group members.
Enrolling Multiple Devices for a Single User

Users can enroll multiple devices with a single ZENworks Mobile Management user account. For example, a user might have a smartphone, but also use a companion device, such as a tablet or a second smartphone for foreign travel.

Multiple device enrollment is accomplished by creating an account on the ZENworks Mobile Management server and instructing the user to completely enroll one device at a time. Set a limitation for how many devices a user may enroll. Each device enrolled uses a licensed seat on the ZENworks server. Set an organization default for the maximum number of devices a user can enroll by selecting System > Organization. Adjust the Maximum Number of Devices Per User. You can override the organization default on an individual user basis by setting a maximum in the user’s profile. From the User/Device Grid, select a user and click the Device Profile button. From the left panel select User Information and click the Configuration tab. Remove the checkmark from the Auto box and define the maximum number of devices the user can enroll.

Successful enrollment of multiple devices requires the following:

- Each device must be fully enrolled and complete its first synchronization before another device can be successfully enrolled.
- The user must enroll each device with the same Username, Password, Domain, Server Address, and SSL setting.
- The account protocol used on each device associated with the user’s account must be the same. For example:
  - When the first device has the ZENworks Mobile Management app and an ActiveSync user account:
    - Each device must be fully enrolled (have the ZENworks Mobile Management app enrolled and the ActiveSync account created and registered) before another device can be added.
    - All subsequently enrolled devices must have the ZENworks Mobile Management app and an ActiveSync user account.
  - When the first device has an ActiveSync account only and does not have the ZENworks Mobile Management app:
    - Each device must have the ActiveSync account created and registered against ZENworks Mobile Management before another device can be added.
    - All subsequently added devices must have only an ActiveSync account.

Administration of Multiple Devices
Each device appears as a separate line item in the Users grid. Sort the grid by the User Name column to see all devices associated with a single user. Administrators can select any of a user’s devices and view the Device Profile associated with the item.

The administrator might change the following for any of a user’s multiple devices:
- Liability
- Ownership
- Plan Type
- Policy Suite
- Device Connection Schedule
- Carrier

The administrator should not change the following, unless he/she is changing the information on all of the user’s devices:
- First Name
- Last Name
- Domain
- ActiveSync Server
- Email Address
- LDAP Server

Users can view and manage all of their enrolled devices from the desktop or mobile User Self-Administration Portal.
Adding Shared Users

Use the Add New User Wizard to add shared users to the ZENworks Mobile Management system. A shared user provides credentials with which to enroll an Android or iOS device that will be used by multiple users. Until an enrolled shared device is signed in to by an individual, it is in a stand-by mode and the shared user policies and settings govern the device. When an individual takes temporary possession of the device, he/she signs in and the settings associated with that user govern the device. Any corporate resource (Email, CalDAV, WiFi, VPN, etc.) associated with the user will synchronize if it is permitted on the shared device. When the individual signs out of the device, personal data is wiped and the device reverts to the original shared user credentials and settings.

Administrators manually create a shared user account using the Shared option on the Add New User Wizard menu. Once a shared user account is created on the ZENworks Mobile Management server, one or more device designated as a shared device can be enrolled using these credentials.

Removing Shared Users

Shared Users can only be removed when status is Not Enrolled (no devices have been enrolled with the shared user credentials) or all devices enrolled with the shared user credentials have been wiped. The Remove User button will be disabled under any other condition.

Any DEP devices assigned to the shared user will be unassigned when the shared user is removed.
To Create a Shared User

1. From the ZENworks Mobile Management dashboard header, select Users.
2. Click the Add User option to use the Add New User Wizard.
3. Select Shared from the Add New User Wizard menu.

4. Enter the user information (see descriptions below), then click Next. * = required field

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>User Name</td>
<td>For a shared user account that is associated with an ActiveSync server, enter the ActiveSync account user name. For a shared user account that will not authenticate against an ActiveSync server, enter a unique user name.</td>
</tr>
<tr>
<td>Password</td>
<td>A password is required for a shared user account that will not authenticate against an ActiveSync server. Enter a unique password for the shared user account.</td>
</tr>
<tr>
<td>ActiveSync server</td>
<td>(Optional) Select an ActiveSync server for the shared user account or select None. If the ActiveSync server is linked to an LDAP server, the LDAP server field will populate as well.</td>
</tr>
<tr>
<td>LDAP Server</td>
<td>(Optional) Select an LDAP server for the shared user account or select None. If an LDAP server is specified when adding the shared user, that user account must be present on the LDAP server. Selecting an LDAP server also allows policy suite, connection schedule, and liability to be assigned according to the settings associated with the LDAP groups or folders to which the user account belongs. This server can also be referenced for updates to the user account and custom column information.</td>
</tr>
<tr>
<td>First and Last Name</td>
<td>(Optional) Enter a first and last name for the shared user account.</td>
</tr>
<tr>
<td>E-mail Address</td>
<td>(Optional) Enter an E-mail address for the shared user account.</td>
</tr>
<tr>
<td>Domain</td>
<td>(Optional) If the ActiveSync server to which the shared user account has been assigned, requires a domain, enter it here. This also provides one way to configure the user for enrolling multiple devices against a single account. (See, Enrolling Multiple Devices on a Single Account.)</td>
</tr>
</tbody>
</table>

---

ZENworks Mobile Management 3.2.x Adding Users, Enrolling Devices

Adding Shared Users • 27
5. If you are using local groups to categorize users, choose local group assignments for the shared user. Click **Next**.

6. Make selections for provisioning the shared user if necessary, then click **Finish**.

   If you have categorized the shared user in a local group or if an LDAP server has been specified and configured for provisioning users, you do not have to make selections for **Policy Schedule/Suite**, **Device Connection Schedule**, or **Liability** unless you want to make direct assignments that override the provisioned settings associated with the local groups or LDAP groups/folders.

   To override provisioning settings associated with local groups or LDAP groups/folders, check the box next to **Override Default Assignments**. These checkboxes do not appear if you have not specified an LDAP server or local group.

   If not overridden, provisioned settings are obtained from the following sources, in this order: Local group(s), LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization defaults.
<table>
<thead>
<tr>
<th><strong>Policy Enforcement Type</strong></th>
<th>Select <strong>Standard</strong> or <strong>Schedule-Based</strong>. For schedule-based enforcement, a schedule defines the days and times during which users are working. If this method is chosen, you will also define two policy suites - one to be used during the scheduled hours and one to be used outside the scheduled hours. <strong>Standard</strong> policy enforcement executes the same policy suite at all times.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Policy Schedule</strong></td>
<td>The schedule that defines the days and times during which users are working.</td>
</tr>
<tr>
<td>(schedule-based)</td>
<td></td>
</tr>
<tr>
<td><strong>Policy Suite</strong></td>
<td>Select a (<strong>Standard</strong>) Policy Suite for the shared user. (This field is not displayed if you choose <strong>Schedule-Based</strong> enforcement.)</td>
</tr>
<tr>
<td>(standard)</td>
<td>If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.</td>
</tr>
<tr>
<td><strong>Policy Suite During Schedule</strong></td>
<td>The policy suite enforced during scheduled hours and the policy suite enforced outside scheduled hours.</td>
</tr>
<tr>
<td><strong>Policy Suite Outside Schedule</strong></td>
<td>If an LDAP server has been specified, you do not have to make a selection unless you want to make a direct assignment that overrides the default. Defaults are obtained from assignments associated with the following sources, in this order: LDAP group(s) (by priority), LDAP folder (by folder hierarchy), organization default settings.</td>
</tr>
<tr>
<td><strong>Device Connection Schedule</strong></td>
<td>Select the Device Connection Schedule for the shared user.</td>
</tr>
<tr>
<td><strong>Device Liability</strong></td>
<td>Liability refers to who owns the data on the device. Liability determines whether the corporate or individual component of the policy suite is assigned. For shared users, this defaults to <strong>Company</strong> and cannot be changed.</td>
</tr>
<tr>
<td><strong>Device Ownership</strong></td>
<td>Ownership refers to whether the device is company owned (<strong>Corporate</strong>) or personally owned (<strong>Personal</strong>) by an individual. For shared users, this defaults to <strong>Corporate</strong> and cannot be changed.</td>
</tr>
<tr>
<td><strong>Expiration</strong></td>
<td>Select a date for the shared user to be disabled or removed from the system. Choose <strong>Never</strong>, or a date on which to expire the shared user. Specify the action to take upon expiration: <strong>Disable</strong> or <strong>Remove</strong>. Expirations occur at the beginning of the designated day (12:00 a.m.)</td>
</tr>
</tbody>
</table>

7. Set permissions for corporate resources. When an individual signs in to a device associated with this shared user, the resources assigned to that individual will synchronize to the device if the permissions are enabled here. If disabled, the resources configured for the shared user will remain on the device. Mark the checkbox next to any or all of the following:

- ActiveSync Email
- CalDAV
- CardDAV
- Exchange Server
- LDAP Server
- Mail Server
- Subscribed Calendar
- VPN
- Web Clip
- Wi-Fi

8. Click **Finish**. The shared user account can now be used to enroll devices.
Retrieve Device Information from ActiveSync Servers

When an organization chooses not to proxy email mail through the ZENworks Mobile Management server, devices will be able to connect directly to the ActiveSync server to access email without the requirement of MDM enrollment. As a means of enforcing enrollment, administrators can configure ActiveSync PowerShell settings and employ its capabilities via the ZENworks Mobile Management dashboard to import device and user information from the ActiveSync server. Once devices are imported, they can be managed from the dashboard, and administrators can monitor who has enrolled with MDM and who has not. After a grace period, devices will be required to enroll in order to access email.

- ZENworks Mobile Management can be configured to poll the Exchange ActiveSync server at regular intervals for device and user information and import it to the MDM server.
- Discovered devices can be managed from the Discovered Devices grid.
- Administrators can monitor who has not yet enrolled with the ZENworks Mobile Management.
- ZENworks Mobile Management enrollment of auto-discovered devices accessing email can be enforced by setting a quarantine date on which unenrolled devices will be blocked from accessing email.
- An automated email can be sent to users who are nearing the quarantine date. Each device a user has not yet enrolled will receive the email message.

For information on configuring PowerShell for integration with ZENworks Mobile Management, see the PowerShell Configuration guide.
Custom Columns

Administrators can create user or device information fields that are specific to their organization, but are not part of the ZENworks Mobile Management System base installation. These fields can then be viewed in the Device Profile and can be displayed as columns in the user list.

There is a limit of ten Custom Columns for each organization. Information for the fields might be one of five types, including an LDAP type field, which will pull information from an Administrative LDAP server defined for the organization. The administrator must manually enter values for other field types. The field types are Text, Drop-down, Numeric, Date, and LDAP.

Sample User Custom Columns in the Device Profile

Sample Device Custom Columns in the Device Profile
Adding Custom Columns

1. From the ZENworks Mobile Management dashboard header, select Organization.
2. From the drop-down menu, select Organization Control > Custom Columns.
3. Click the Add Custom Column option.
4. Select the Custom Column Type: Text, Drop-down, Numeric, Date, LDAP

   The Column Type you select determines the parameters you define for the field.

<table>
<thead>
<tr>
<th>Column Type</th>
<th>Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>Text</td>
<td>Maximum number of alphanumeric characters.</td>
</tr>
<tr>
<td>Drop-down</td>
<td>Enter the choices that appear in a drop-down list.</td>
</tr>
<tr>
<td>Numeric</td>
<td>Minimum and maximum numeric values.</td>
</tr>
<tr>
<td>Date</td>
<td>None</td>
</tr>
<tr>
<td>LDAP</td>
<td>LDAP attribute and LDAP server (at least one must be defined for the organization). ZENworks Mobile Management checks the LDAP server daily and automatically applies any updates to custom column LDAP data. An individual user's LDAP data is updated automatically whenever his or her device profile is opened via the dashboard.</td>
</tr>
</tbody>
</table>

5. Select the Assignment Type: Determine whether column information should be associated with the User or a Device.
6. Enter a Custom Column Name.
7. Click the Finish button to save.
Modifying Custom Columns

Custom Columns can be modified after they are defined, but on a limited basis. For example, you cannot change the Type of the column, because this would prevent you from entering correct values in the future.

The administrator can modify custom columns in the following ways:

- Change the custom column name
- Add values to a drop-down type
- Decrease minimum values
- Increase maximum values

1. From the ZENworks Mobile Management dashboard header, select Organization.
2. From the drop-down menu, select Organization Control > Custom Columns.
3. Select the column you want to modify from the left panel and edit the name of the column or other parameters that are editable.
4. Click Save Changes.
User Enrollment

The ZENworks Mobile Management App

Direct users to where they can obtain the ZENworks Mobile Management device application. The ZENworks Mobile Management app is available for Android and iOS users.

BlackBerry 4.5-7.1 users can install the GO!NotifySync for BlackBerry application, which interfaces with ZENworks Mobile Management and provides functionality comparable to the ZENworks Mobile Management app. (Requires a GO!NotifySync license.)

Enrolling Devices via a Shared User

A shared user provides credentials with which to enroll an Android or iOS device that will be used by multiple users.

To designate a device as a shared device, simply enroll it using shared user credentials.

Until an enrolled shared device is signed in to by an individual, it is in a stand-by mode and the shared user policies and settings govern the device. When an individual takes temporary possession of the device, he/she signs in to the device with his/her own credentials and the settings associated with that user govern the device. Any corporate resource (Email, CalDAV, WIFI, VPN, etc.) associated with the user will synchronize if it is permitted on the shared device. (If the user’s resource is not permitted, the resource associated with the shared user remains on the device.) When the individual signs out of the device, personal data is wiped and the device reverts to the original shared user credentials and settings.

Shared users/devices can be identified easily on the user/device grid by the status in the Shared column. The grid can be sorted by the Shared column so as to view shared users/devices together. The following status codes may appear in this column:

<table>
<thead>
<tr>
<th>Grid Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Shared</td>
<td>The user/device is not a shared user/device.</td>
</tr>
<tr>
<td>Not Enrolled</td>
<td>This is a shared user. No devices have been enrolled using these credentials.</td>
</tr>
<tr>
<td>Enrolled</td>
<td>This is a shared user. Individuals have signed in, using their own credentials, to all devices enrolled under this shared user.</td>
</tr>
<tr>
<td>Stand-by</td>
<td>This status is assigned to a device that has been enrolled using a shared user account, but is not currently signed in to by an individual user. The device is governed by the shared user settings.</td>
</tr>
<tr>
<td>Signed-in</td>
<td>This status is assigned to a shared device to which an individual user is signed in. That user’s settings govern the device and any corporate resource associated with the user is synchronized if it is permitted on the shared device.</td>
</tr>
</tbody>
</table>
NFC Provisioning of Android 5.0+ Devices

Administrators may want to provision Android 5.0+ devices using Near Field Communication (NFC). This method establishes the ZENworks Mobile Management application as Device Owner on an Android 5.0+ device. Android 5.0+ devices must be provisioned with this method to use certain Android L functionality.

In order to provision devices via NFC, **Android Device Owner App URL** and **Android Device Owner App Checksum** must be entered in the dashboard under **System > Organization > Organization Settings**.

- The **Android Device Owner App URL** field refers to the URL where the ZENworks Mobile Management for Android application can be downloaded.

- **Android Device Owner App Checksum** is what is used to verify that a complete transmission of the application is received when the application is downloaded.

  Use the following function to calculate the checksum for the file, MDM_App.apk.

  ```
  cat MDM_App.apk | openssl dgst -binary -sha1 | openssl base64 | tr '+/' '−' | tr -d '='
  ```

  **Please Note:** When the ZENworks Mobile Management app is updated, a new checksum must be calculated for the app in order for it to be provisioned on new devices.

To Provision ZENworks Mobile Management as Device Owner:

- Verify that **Android Device Owner App URL** and **Android Device Owner App Checksum** have been entered in the dashboard under **System > Organization > Organization Settings**.

- To provision other Android 5.0+ devices, use an Android 5.0+ device with ZENworks Mobile Management v3.8.2 or higher installed.

- Before beginning, verify that the target device has been reset, has the setup screen displayed, and has Wi-Fi connectivity.

  1. On the provisioning device, select the **Provision Device Owner** option from the ZENworks Mobile Management menu.

  2. Hold the provisioning device back-to-back with the target device.

  3. A tone indicates that the NFC connection has occurred and the provisioning device now shows a button labeled, **Touch to Beam**. Tap this button.

  4. A different tone sounds indicating that the provisioning information has been sent to the target device. The target device will now attempt to download the ZENworks Mobile Management app and provision itself.

Once the download and installation are completed, ZENworks Mobile Management becomes the Device Owner application and can apply policies requiring device owner or profile owner status. Once a device is provisioned in this way, the ZENworks Mobile Management app can be updated, as new versions are released, through the ZENworks Mobile Management portal page or Google Play.
iOS Device Enrollment

In this section:

- iOS Configurator Devices
- Apple Device Enrollment Program (DEP) Devices
- App-less Enrollment

iOS Configurator Devices

Apple Configurator is a tool that assists administrators in the deployment and management of iOS devices in business or education settings. It is well suited to environments where devices are often reassigned or where they are shared by multiple users. When integrated with ZENworks Mobile Management, the application is useful as a deployment tool since it provisions multiple devices quickly, enrolling them with the ZENworks Mobile Management server and staging each device with the appropriate MDM profiles.

Create an iOS Configurator Group profile and export it for use with the Apple Configurator. The ZENworks Mobile Management profile, once imported into the Configurator, can be used to quickly configure a fleet of mobile devices. The ZENworks Mobile Management app is not installed on the device unless the administrator configures the server to push the app to iOS devices.

Select System > Organization

Any device associated with the Configurator Group will appear on the ZENworks Mobile Management User/Device Grid with the Configurator Group name. Refer to the Supervised iOS Devices guide for details.

Apple Device Enrollment Program (DEP) Devices

The Device Enrollment Program (DEP) is part of the Apple Deployment Programs and provides administrators with a streamlined way to deploy multiple organizationally owned iOS devices that are purchased directly from Apple. When a DEP token is uploaded to the ZENworks Mobile Management server, information for each device associated with the token populates the User/Device Grid.

Enroll in the program at: https://deploy.apple.com See also: Apple DEP Guide

Upon device activation, enrollment with the MDM server is automatic and over-the-air configuration of account settings, apps, and IT services is immediate.

Like configurator devices, a DEP device does not install the ZENworks Mobile Management app unless the administrator configures the server to push the app to iOS devices, however, each device is associated with an individual user when it is enrolled on the ZENworks Mobile Management server. The server communicates updates to the DEP devices via the Apple Push Notification service (APNs).

DEP devices that have been enrolled with user credentials can be managed like any other device enrolled on the ZENworks Mobile Management server.
App-less Enrollment

iOS devices do not need to have the ZENworks Mobile Management app installed in order to enroll with the ZENworks Mobile Management server. From the device, users can navigate to `<yourServerAddress>/mobile/ios`. The server creates a configuration file using the device’s authentication token and the server address. It then pushes the MDM profile down to the device.

Pushing the ZENworks Mobile Management app to the device as a managed app. If desired, an administrator can configure the system to push the ZENworks Mobile Management app to iOS devices as well. Installation occurs after the profile loads. The app is treated as a managed app.

When the option to push the app is enabled, the app will be installed on any iOS device that enrolls without the app. This includes:

- Devices enrolled via the ZENworks Mobile Management web page at `<yourServerAddress>/mobile/ios` (App-less enrollment)
- DEP or Configurator devices
- Devices enrolled via the Cisco Identity Services Engine (ISE)

To enable the push option:

1. From the dashboard, navigate to System > Organization.
2. Mark the checkbox beside, Push ZMM to iOS devices.
3. Click Save Changes.
Devices without a ZENworks Mobile Management App

ActiveSync Only Devices

Devices for which a ZENworks device application is not yet available can still enroll with the ZENworks Mobile Management server. The devices must have an ActiveSync application. Devices supported for this type of enrollment include BlackBerry 10, webOS, and Windows Phone.

Functionality

Mobile device management functionality for these devices is limited to only the ActiveSync security policies supported by the device platform. Device statistics accessible via the ZENworks dashboard display limited information. In addition, there is no audit tracking or location data available for these devices.

Device statistics in the Users view for these devices are limited to:

- User Name
- Domain
- Active
- Policy Suite
- Device Connection Schedule
- Ownership
- Last ActiveSync Sync
- AS Version
- AS User Agent
- Device Type

Users with Android and iOS devices should install the ZENworks app. Without the ZENworks app, these devices are limited to the functionality outlined above. Users with BlackBerry 4.5-7.1 devices should install GO!NotifySync for BlackBerry. BlackBerry 4.5-7.1 devices do not have native ActiveSync capabilities and are not supported without the GO!NotifySync app.

The Device Type field might display various descriptions based on the model of the device:

<table>
<thead>
<tr>
<th>Platform</th>
<th>Device Platform column</th>
</tr>
</thead>
<tbody>
<tr>
<td>BlackBerry 10</td>
<td>BlackBerry</td>
</tr>
<tr>
<td>webOS devices</td>
<td>Palm</td>
</tr>
<tr>
<td>Windows Phone devices</td>
<td>WP</td>
</tr>
</tbody>
</table>

Information on policy functionality: Device Platform Functionality

Instructions for other devices: ActiveSync Device Enrollment

User Enrollment ● 38