

ZENworks Configuration Policies Reference

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About This Guide

This *ZENworks Configuration Management Policy Management Reference* includes information about Policy Management features and procedures to help you configure and maintain your Novell ZENworks Configuration Management system.

For information on policies that control a range of security-related functionalities for Windows devices or help protect and configure the ZENworks Endpoint Security Agent, see the [ZENworks Endpoint Security Policies Reference](#).

For information on policies supplied by ZENworks Full Disk Encryption that are used to encrypt entire disks (or volumes) for Windows devices, see the [ZENworks Full Disk Encryption Policy Reference](#).

The information in this guide is organized as follows:

- ♦ [Chapter 1, “Overview,” on page 9](#)
- ♦ [Chapter 2, “Creating Linux Configuration Policies,” on page 15](#)
- ♦ [Chapter 3, “Creating Windows Configuration Policies,” on page 21](#)
- ♦ [Chapter 4, “Creating Mobile Device Policies,” on page 57](#)
- ♦ [Chapter 5, “Managing Policies,” on page 59](#)
- ♦ [Chapter 6, “Managing Policy Groups,” on page 93](#)
- ♦ [Chapter 7, “Managing Folders,” on page 97](#)
- ♦ [Appendix A, “Troubleshooting Policy Management,” on page 99](#)
- ♦ [Appendix B, “Best Practices,” on page 135](#)
- ♦ [Appendix C, “iPrint Policy Management Utility,” on page 137](#)

Audience

This guide is intended for Novell ZENworks administrators.

Feedback

We want to hear your comments and suggestions about this manual and the other documentation included with this product. Please use the User Comments feature at the bottom of each page of the online documentation.

Additional Documentation

ZENworks Configuration Management is supported by other documentation (in both PDF and HTML formats) that you can use to learn about and implement the product. For additional documentation, see the [ZENworks documentation Web site](#).

1 Overview

ZENworks Configuration Management provides policies to configure operating system settings and select application settings. By applying a policy to multiple devices, you can ensure that all of the devices have the same configuration.

The following sections contain additional information:

- ♦ [Section 1.1, “What Is a Policy?,” on page 9](#)
- ♦ [Section 1.2, “What Is a Policy Group?,” on page 9](#)
- ♦ [Section 1.3, “Understanding the Policy Types,” on page 10](#)
- ♦ [Section 1.4, “Understanding the Features of a Policy,” on page 11](#)

1.1 What Is a Policy?

A policy is a rule that controls a range of hardware and software configuration settings on the managed devices. For example, an administrator can create policies to control browser bookmarks available in the browser, printers to access, and security and system configuration settings on the managed devices.

You can use the policies to create a set of configurations that can be assigned to any number of managed devices. It helps you to provide the devices with a uniform configuration, and it eliminates the need to configure each device separately.

You can assign a policy directly to a device or a user. You can also assign the policy to a folder or group where the user or device is a member. Assigning a policy to device groups rather than device folders is the preferred way, because a device can be a member of multiple device groups, but it can be a member of only one device folder.

On managed devices, each policy type is enforced by a Policy Handler or Enforcer, which makes all the configuration changes necessary to enforce or unenforce the settings in a given policy.

1.2 What Is a Policy Group?

A policy group is a collection of one or more policies. Creating policy groups eases the administration efforts in managing policies. You can create policy groups and assign them to managed devices the same way you would assign individual policies.

Because the policy inherits the group’s assignments, managing a policy group is easier than managing individual policies. For example, if multiple policies are included in a policy group and the policy group is assigned to a device or a device group, then all the policies included in the policy group are automatically assigned to the device or device group at the same time. You need not individually assign each policy to a device or a device group.

1.3 Understanding the Policy Types

ZENworks lets you create the following policy types:

- ♦ **Linux Configuration Policies:** Lets you configure policies supplied by ZENworks Configuration Management that are used to manage configuration settings for Linux devices. The following policies are located in this category:
 - ♦ External Services policy
 - ♦ Puppet policy
- ♦ **Windows Configuration Policies:** Lets you configure policies supplied by ZENworks Configuration Management that are used to manage configuration settings for Windows devices. The following policies are located in this category:
 - ♦ Browser Bookmarks policy
 - ♦ Dynamic Local User policy
 - ♦ Local File Rights policy
 - ♦ Power Management policy
 - ♦ Printer policy
 - ♦ Remote Management policy
 - ♦ Roaming Profile policy
 - ♦ SNMP policy
 - ♦ Windows Group policy
 - ♦ ZENworks Explorer Configuration policy
- ♦ **Windows Endpoint Security Policies:** Lets you configure policies supplied by ZENworks Endpoint Security Management that are used to manage security settings for Windows devices. The following policies are located in this category:
 - ♦ Application Control policy
 - ♦ Communication Hardware policy
 - ♦ Data Encryption policy
 - ♦ Firewall policy
 - ♦ Location Assignment policy
 - ♦ Microsoft Data Encryption policy
 - ♦ Scripting policy
 - ♦ Security Settings policy
 - ♦ Storage Device Control policy
 - ♦ USB Connectivity policy
 - ♦ VPN Enforcement policy
 - ♦ Wireless policy

The Windows Endpoint Security policies are not covered in this guide. For information about these policies, see the [ZENworks Endpoint Security Policies Reference](#).

- ♦ **Windows Full Disk Encryption Policies:** Lets you configure policies supplied by ZENworks Full Disk Encryption that are used to encrypt entire disks (or volumes) for Windows devices. The following policy is located in this category:

- ♦ Full Disk Encryption policy

The Windows Full Disk Encryption policies are not covered in this guide. For information about these policies, see the [ZENworks Full Disk Encryption Policy Reference](#).

- ♦ **Mobile Device Policies** Lets you configure policies supplied by ZENworks Configuration Management that are used to manage security settings for Mobile Devices. The following policies are located in this category:

Android

- ♦ Android Enterprise Enrollment Policy

General Mobile Policies

- ♦ Device Control Policy
- ♦ Device Enrollment Policy
- ♦ Mobile Email Policy
- ♦ Mobile Security Policy

iOS

- ♦ iOS Intune App Protection Policy

For more information about these policies, see the [ZENworks Mobile Management Reference](#) guide.

1.4 Understanding the Features of a Policy

- ♦ A policy is applied to a device or a user only if the policy is directly or indirectly associated to that device or user.

The Browser Bookmarks policy, Dynamic Local User policy, Printer policy, Remote Management policy, Windows Group policy, and ZENworks Explorer Configuration policy can be applied to a device or a user:

The Local File Rights and SNMP policies can be applied only to a device.

The Roaming Profile policy can be applied only to a user.

- ♦ A policy can be associated to groups and containers.

In ZENworks Control Center, devices and users can be organized by using containers and groups. A device or user can be a member of multiple groups. The containers can be nested within other containers. If a policy is associated to a group of users, it applies to all users in that group. If a policy is associated to a user container, it applies to all users in the entire subtree rooted at that container. The same behavior applies to device groups and containers.

- ♦ A policy can be associated to query groups.

In ZENworks Control Center, the devices can also be members of query groups. Query groups are similar to ordinary groups except that the membership is determined by a query defined by the administrator. All devices that satisfy the query become members of that device group. The query is evaluated periodically and the membership is updated with the results. An

administrator can configure the periodicity of the evaluation. An administrator can also force an immediate refresh of a query group. Query groups act just like other groups where policies are concerned.

- ♦ Policies are chronologically ordered by default.

When multiple policies are associated to a device, user, group, or container, the associations are chronologically ordered by default. The administrator can change the ordering.

If a device or user belongs to multiple groups, the groups are ordered. Consequently, the policies associated to those groups are also ordered. The administrator can change the ordering of groups for a device or user at any time.

In addition, the policies in a policy group are ordered.

- ♦ Policies have a precedence configured to determine the policy that is effective for a device or a user.

Many policies of the same type can be applied to a user or a device through direct association and inheritance. For example, if a Browser Bookmark policy is associated to a user and another Browser Bookmark policy is associated to a container containing that user, the policy directly associated to that user overrides the policy associated to the container.

- ♦ Policies support management by exception.

You can define a global policy for your enterprise and associate it to the top-level container containing all your user objects. You can then override configuration items in the global policy by defining a new policy and associating it to specific users or user groups. These users receive their configuration from the new policy. All other users receive their configuration from the global policy.

- ♦ Policies support system requirements.

You can specify the system requirements of a device or user in a policy. The policy is applied to a device or user only if the device or user meets the system requirements.

For example, the SNMP policy is applied by default on all devices having the SNMP service installed.

- ♦ ZENworks Configuration Management supports singular and plural policies.

Singular Policy: If multiple policies of the same policy type are assigned to a device or a user and the policy type is a Singular policy, then only the nearest associated policy meeting the system requirements is applied. If the policy type is associated to both user and device, then two different policies can be assigned to user and device.

The SNMP policy, Dynamic Local User policy, Remote Management policy, Roaming Profile policy, Power Management policy, and ZENworks Explorer Configuration policy are singular policies.

Plural Policy: If multiple policies of the same policy type are assigned to a device or a user and the policy type is a Plural type, then all policies meeting the associated system requirement are applied.

The Browser Bookmarks policy, Local File Rights policy, Windows Group policy, and Printer policy are plural policies. However, the security settings in the Windows Group policy are not plural.

- ♦ Policies can be disabled.

When you create a policy in ZENworks Configuration Management, the policy is enabled by default. You can disable it if you do not want to apply it on a user or a device.

- ♦ ZENworks Configuration Management allows you to resolve policy conflicts.

The set of effective policies is a subset of the set of assigned policies. The set of effective policies for a device or user is calculated by applying precedence rules, multiplicity rules, and system requirements filters on the set of assigned policies. Effective policies are calculated separately for devices and users. The Policy Conflict Resolution setting determines how user and device policies interact for a specific user and device combination.

Effective policies are calculated separately for devices and users. When a user logs in to a device, policies associated to both the user and the device must be applied. Policy Conflict Resolution settings are used only when policies of the same type are associated to both the device and the user. This setting determines the precedence order among the policies associated to the user and those associated to the device. The Policy Conflict Resolution settings are applied after the effective policies are calculated.

Policy Conflict Resolution settings are defined when associating a policy to a device. The settings cannot be defined for associations to users. For each policy type, the Policy Conflict Resolution setting defined in the closest effective policy of that type is applied for all policies of that type.

A Policy Resolution Conflict setting can have one of the following values:

- ♦ **User Precedence:** User-associated policy will override the device-associated policy. Select this option to apply policies that are associated to the users first, and then to the devices.
- ♦ **Device Precedence:** Device-associated policy will override the user-associated policy. Select this option to apply policies that are associated to the devices first, and then to the users.
- ♦ **User Only:** Applies only the policies associated to the user and ignores the policies associated to the device.
- ♦ **Device Only:** Applies only the policies associated to the device and ignore the policies associated to the user.

NOTE: The Policy Conflict Resolution setting is taken from the device-associated policy with the highest precedence.

2 Creating Linux Configuration Policies

Novell ZENworks Configuration Management lets you create policies by using ZENworks Control Center or by using the zman command line utility.

The following sections contain step-by-step instructions about creating the Linux configuration policies by using ZENworks Control Center.

- ♦ [Section 2.1, “External Services Policy,” on page 15](#)
- ♦ [Section 2.2, “Puppet Policy,” on page 17](#)

2.1 External Services Policy

The External Services policy lets you configure the external services on a Linux managed device for YUM, ZYPP or MOUNT repositories. It enables you to download and install the software packages or updates from these repositories on the managed devices.

- 1 In ZENworks Control Center, click the **Policies** tab.
- 2 In the **Policies** list, click **New**, then click **Policy**.

or

In the **Policy Tasks**, click **New Policy**.

The **Select Platform** page is displayed.

- 3 Select **Linux**, then click **Next**.

The **Select Policy Category** page is displayed.

- 4 Select **Linux Configuration Policies**, then click **Next**.

- 5 Select **External Services Policy** as the **Policy Type**, then click **Next**.


- 6 In the **Define Details** page fill in the following fields:

Policy Name: Provide a name for the policy. The policy name must be different from the name of any other item (group, folder, and so forth) that resides in the same folder. The name you provide displays in ZENworks Control Center.

Folder: Type the name or browse to and select the ZENworks Control Center folder where you want the policy to reside. The default is `/Policies`, but you can create additional folders to organize your policies.

Administrator Notes: Provide a short description of the policy’s content. This description displays in ZENworks Control Center.

- 7 Click **Next** to display the **External Services Policy** page.
- 8 In the **External Services Policy** page, click **Add** to display the **External Services Policy** dialog box.
- 9 The following table lists the tasks you can perform in the External Services policy dialog box.

Task	Steps	Additional Details
Add an External Service	<ol style="list-style-type: none"> 1. Click Add to display the External Services Policy dialog box. 2. Specify the name of the service, the URL for the service, and the type of repository to which you want to add the service. Click Help for information on how to fill the required fields. 3. Select the checkbox Recursive to add services on the managed device for the Roms present under all the subdirectories of the specified URL. The recursive property is applicable only to the MOUNT service type. 4. For External Services that require authentication, click  to browse to and select an existing credential from the Credential Vault. 5. Select the check box Synchronize with External Package Management Tools, to synchronizes the External Services with the package management tools. 6. Click OK. 	<p>The available repository types are AUTO, ZYPP, YUM, and MOUNT.</p> <p>AUTO is a default repository type, if selected, the system automatically detects either ZYPP or YUM as the type of repository.</p> <p>The credential option is not applicable to the MOUNT service type.</p>
Edit an External Service	<ol style="list-style-type: none"> 1. Select the External Service you want to edit, then click Edit. 2. Follow the online prompts to make changes. 3. Click OK. 	<p>The service name and recursive property once specified cannot be edited. To edit these options for the existing service, remove the service and add a new External Service.</p>
Remove an External Service	<ol style="list-style-type: none"> 1. Select one or more External Services that you want to remove, then click Remove. 	

- 10 Review the information on the Summary page and, if necessary, use the **Back** button to make changes to the information on the Summary page.
- 11 (Conditional) Select **Create as Sandbox**, if you want to create the sandbox version of the policy.
- 12 Select the check box for **Define Additional Properties**.
- 13 Click **Finish** to create the new External Services policy.
- 14 Click **Relationships** and assign the newly created External Services policy to a test device and a non-test device.

NOTE: If you disable the Bundle Management module, services that are a part of the External Services policy do not flow down to the agent.

2.2 Puppet Policy

The Puppet policy lets you apply the Linux configuration on the Linux devices. This section includes information about:

- ♦ [Section 2.2.1, “Installing the puppet-agent Package on the Managed Devices,” on page 17](#)
- ♦ [Section 2.2.2, “Creating the Puppet Policy,” on page 17](#)

2.2.1 Installing the puppet-agent Package on the Managed Devices

For the Puppet policy to be effective on ZENworks 2020 Update 2 and later, Linux managed devices, you need to ensure that the puppet-agent package is installed on the devices.

The Puppet policy was tested with puppet-agent package version 6.10. It should work with higher versions of the puppet-agent package. In case it does not, please contact Micro Focus Customer Center.

NOTE: The Puppet policy will continue to work, as before, on the older managed devices (ZENworks 2020 Update 1 and earlier).

To install the puppet-agent package on the ZENworks 2020 Update 2 and later, Linux managed devices:

- ♦ **Download and install the puppet-agent package directly on the Linux managed devices:**

Based on the operating system, download and install the relevant version of the puppet-agent package on the Linux managed devices, from the <http://yum.puppet.com/> location. For information on installing the package on the device, refer to the [Puppet documentation](#).

OR

- ♦ **Download the puppet-agent package and install it on the Linux devices by using the Bundles feature:** Based on the operating system, download the relevant version of the puppet-agent package to the ZENworks server, from the <http://yum.puppet.com/> location. After downloading the package, use the Bundles feature to install the package on the Linux managed devices. For information on installing the package using a bundle, refer to the [Creating Linux Bundles](#) section in the [ZENworks Software Distribution Reference](#).

2.2.2 Creating the Puppet Policy

- 1 In ZENworks Control Center, click the **Policies** tab.
- 2 In the **Policies** list, click **New**, then click **Policy**.

or

In the **Policy Tasks**, click **New Policy**.

The **Select Platform** page is displayed.

- 3 Select **Linux**, then click **Next**.
The **Select Policy Category** page is displayed.
- 4 Select **Linux Configuration Policies**, then click **Next**.

5 Select **Puppet Policy** as the **Policy Type**, then click **Next**.

6 In the **Define Details** page fill in the following fields:

Policy Name: Provide a name for the policy. The policy name must be different from the name of any other item (group, folder, and so forth) that resides in the same folder. The name you provide displays in ZENworks Control Center.

Folder: Type the name or browse for and select the ZENworks Control Center folder where you want the policy to reside. The default is `/Policies`, but you can create additional folders to organize your policies.

Administrator Notes: Provide a short description of the policy's content. This description displays in ZENworks Control Center.

7 Click **Next** to display the **Puppet Policy** page. You can create a puppet policy to run scripts as either **Manifest** or **Module**.

The following options lets you run puppet scripts on a managed device, upload the script file, and specify if a dry run on the script should be performed.

- ♦ **Run Script As:** You can create a policy to run script as either **Manifest** or **Module**.
- ♦ **FileName:** Depending on your selection to run the script as **Manifest** or **Module**, browse for and upload the script file in the following formats:

Manifest: Upload a `.pp` file.

Module: Upload a `.zip`, `.tar`, `.tar.gz`, `.tar.bz2`, `.tgz`, or `.tbz2` file.

NOTE: After creating either **Manifest** or **Module** on a Windows operating system, run the `dos2unix` command on the puppet script file, to avoid parsing errors on the managed device.

- ♦ **Dry Run:** Select this option to have ZENworks Configuration Management perform a test to determine if the Puppet policy can be successfully enforced on a managed device.

If there are any issues that could prevent the policy from being enforced, you can view the issues in the log file created to troubleshoot the policy creation process. The log file is located at `/var/opt/microfocus/log/zenworks/puppet.log`. A successful dry run ensures that the policy can be successfully enforced on the managed device.

- ♦ **Advanced Options:** Select this option to specify the **Puppet Command Options**.

The **Run Puppet Command with Arguments** field displays the puppet command that will be run on the managed device. The following command is displayed by default. However, this command can be edited:

```
-dv --detailed-exitcodes --confdir /etc/opt/microfocus/zenworks/  
puppet -l /var/opt/microfocus/log/zenworks/puppet.log
```

Details about the parameters used in this command are listed in the following table. For more parameter options, refer to the [Puppet documentation](#).

Parameter	Description
d	Enables full debugging.
v	Prints extra information.

Parameter	Description
detailed-exitcodes	Provides transaction information through exit codes.
l	Creates a log file.
log_file_path	Path of the log file, the default path is /var/opt/microfocus/log/zenworks/ puppet.log.
--confdir	Is the Puppet Configuration Directory.

You can choose to edit this command as in the following examples.

Example 1:

The default log path is /var/opt/microfocus/log/zenworks/puppet.log. However, you can choose to specify a different log file such as a /tmp/puppet.log using the following command.

```
-dv --detailed-exit codes --confdir /etc/opt/microfocus/zenworks/  
puppet -l /tmp/puppet.log
```

Example 2:

The default puppet configuration file is /etc/opt/microfocus/zenworks/puppet/puppet.conf. However, you can choose to specify a different configuration file as follows:

```
--config=/tmp/my puppet.conf -l /tmp/puppet.log
```

The availability of the supported parameters is dependent on the version of the puppet installed on the managed device.

- 8 Review the information on the Summary page and, if necessary, use the **Back** button to make changes to the information on the Summary page. In the Summary page the **Module** file content displays the list of files that are packaged as either **Module** or **Manifest**.
- 9 (Conditional) Select **Create as Sandbox**, if you want to create the sandbox version of the policy.
- 10 Select the check box for **Define Additional Properties**.
- 11 Click **Finish** to create the new Puppet policy.
- 12 Click **Relationships** and assign the newly created Puppet policy to a test device and a non-test device.

3

Chapter Title Creating Windows Configuration Policies / Title

Para ZENworks Configuration Management lets you create policies by using ZENworks Control Center or by using the zman command line utility. / Para

Para The following sections contain step-by-step instructions about creating the Windows Configuration policies by using ZENworks Control Center: / Para

- ItemizedList ListItem
- ListItem
- ListItem
- ListItem
- ListItem
- ListItem
- ListItem
- ListItem
- ListItem
- ListItem
- ListItem
- ListItem Para XRefInt Section 3.11, “Creating ZENworks Branding Policy,” on page 48 / XRefInt / Para / ListItem / ItemizedList

Note **NOTE:** Para A Dynamic Local User (DLU) policy, Windows Group policy, and Roaming Profile policy cannot be used on a device that has Citrix XenApp 6.5, Citrix XenDesktop, or VMware VDI installed because Novell client login is not involved when it is launched. / Para / Note



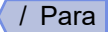
Para The following section explains how to create policies by using the zman command line utility: / Para



- ItemizedList ListItem / ItemizedList



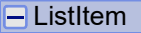
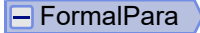










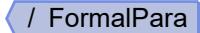


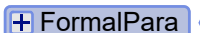



3.1 [- Sect1] [- Title] Browser Bookmarks Policy [/ Title]



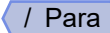
[- Para] The Browser Bookmarks policy lets you configure Internet Explorer favorites for Windows devices and users. [/ Para]








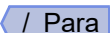




- 1 [- Procedure] [- Step] [- Para] In ZENworks Control Center, click the [- GUIMenu] Policies [/ GUIMenu] tab. [/ Para] [/ Step]
- 2 [- Step] [- Para] In the [- GUIMenu] Policies [/ GUIMenu] list, click [- GUIMenu] New [/ GUIMenu], then click [- GUIMenu] Policy [/ GUIMenu]. [/ Para]
[- Para] or [/ Para]
[- Para] In the [- GUIMenu] Policy Tasks [/ GUIMenu], click [- GUIMenu] New Policy [/ GUIMenu]. [/ Para]
[- Para] The [- GUIMenu] Select Platform [/ GUIMenu] page is displayed. [/ Para] [/ Step]
- 3 [- Step]
- 4 [- Step] [- Para] Select [- GUIMenu] Windows Configuration Policies [/ GUIMenu], then click [- GUIMenu] Next [/ GUIMenu]. [/ Para] [/ Step]
- 5 [- Step] [- Para] Select [- GUIMenu] Browser Bookmarks Policy [/ GUIMenu] as the [- GUIMenu] Policy Type [/ GUIMenu], then click [- GUIMenu] Next [/ GUIMenu]. [/ Para] [/ Step]
- 6 [- Step] [- Para] In the [- GUIMenu] Define Details [/ GUIMenu] page fill in the following fields: [/ Para]
[- FormalPara] [- Title] **Policy Name:** [/ Title] [- Para] Provide a name for the policy. The policy name must be different than the name of any other item (group, folder, and so forth) that resides in the same folder. The name you provide displays in ZENworks Control Center. [/ Para] [/ FormalPara]
[- FormalPara] [- Title] **Folder:** [/ Title] [- Para] Type the name or browse to and select the ZENworks Control Center folder where you want the policy to reside. The default is [- Filename] /policies [/ Filename], but you can create additional folders to organize your policies. [/ Para] [/ FormalPara]
[- FormalPara] [- Title] **Administrator Notes:** [/ Title] [- Para] Provide a short description of the policy's content. This description displays in ZENworks Control Center. [/ Para] [/ FormalPara] [/ Step]
- 7 [- Step] [- Para] Click [- GUIMenu] Next [/ GUIMenu] to display the Bookmarks Tree Data Source page. [/ Para] [/ Step]



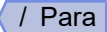
- 8   Create a browser bookmarks tree by importing a previously exported file or manually entering the data. Before you import a book marks file ensure that it is in UTF-8 format. To manually convert the bookmark file into UTF-8 format, use a text editor 

 The following list contains browser-specific information to create the exported file: 


-  
-     In the browser window, click  **Bookmarks > Organize Bookmarks** , then click  **Import and Backup**  **> Export** **HTML**  to create  the `bookmarks.html`  file.   
-     

- 9   Click  **Next**  to display the Bookmarks Tree Configuration page, then use the options to configure the bookmarks tree. 

 The following table lists the tasks you can perform with the  **New** ,  **Edit** , and  **Delete**  options. 
   

  **Details** 

Field

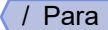


 • 



New





 •    



Edit

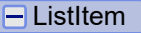
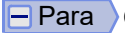



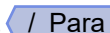





• 

•   

•   

•   Click  **Edit > Deselect All Children**   to deselect all the subdirectories and bookmarks of the selected parent directory.  

•    

[- Para] [- Para] Details / Para

Field

/ Para

[- Para] ♦ [- ItemizedList] [- ListItem] [- Para] Click

[- GUI Menu]

Delete

/ GUI Menu

/ Para

[- GUI Menu] Delete / GUI Menu to delete the selected bookmarks and the bookmarks folder from the bookmarks tree. However, you cannot delete the default bookmarks folder named

[- Filename] Bookmarks / Filename . / Para / ListItem
/ ItemizedList

-
- 10 [- Step] [- Para] Review the information on the Summary page and, if necessary, use the [- GUI Menu] Back / GUI Menu button to make changes to the information on the Summary page. / Para / Step
- 11 [- Step] [- Para] (Conditional) Select [- GUI Menu] Create as Sandbox / GUI Menu , if you want to create the sandbox version of the policy. / Para / Step
- 12 [+ Step] / Procedure / Sect1

3.2 [- Sect1] [- Title] Dynamic Local User Policy / Title

[- Para] The Dynamic Local User policy lets you create new users and manage existing users on the managed device after they have successfully authenticated to user source. / Para

[- Note] NOTE: [- Para] / Para

- [- ItemizedList] [- ListItem] [- Para] It is recommended that you install the latest version of the Novell Client on the managed device before the Dynamic Local User policy is enforced. To obtain the latest version of Novell Client, see the [- Ulink] [Novell Download Web site](http://download.novell.com/index.jsp) (<http://download.novell.com/index.jsp>) / Ulink . / Para / ListItem

- ◆ [ListItem](#) [Para](#) To implement the Dynamic Local User policy without the Novell Client, see [XRefInt](#) [Section 3.2.3, “Implementing the Dynamic Local User Policy Without the Novell Client,” on page 28](#) [XRefInt](#) . [Para](#) [ListItem](#)
- ◆ [ListItem](#) [Para](#) Dynamic Local User policy is not supported for Domain Services for Windows (DSfW) users. [Para](#) [ListItem](#) [ItemizedList](#) [Note](#)

-
- 1 [Procedure](#) [Step](#) [Para](#) In ZENworks Control Center, click the [GUIMenu](#) [Policies](#) [GUIMenu](#) tab. [Para](#) [Step](#)
 - 2 [Step](#) [Para](#) In the [GUIMenu](#) [Policies](#) [GUIMenu](#) list, click [GUIMenu](#) [New](#) [GUIMenu](#) , then click [GUIMenu](#) [Policy](#) [GUIMenu](#) . [Para](#)
[Para](#) or [Para](#)
[Para](#) In the [GUIMenu](#) [Policy Tasks](#) [GUIMenu](#) , click [GUIMenu](#) [New Policy](#) [GUIMenu](#) . [Para](#)
[Para](#) The [GUIMenu](#) [Select Platform](#) [GUIMenu](#) page is displayed. [Para](#) [Step](#)
 - 3 [+ Step](#)
 - 4 [Step](#) [Para](#) Select [GUIMenu](#) [Windows Configuration Policies](#) [GUIMenu](#) , then click [GUIMenu](#) [Next](#) [GUIMenu](#) . [Para](#) [Step](#)
 - 5 [Step](#) [Para](#) Select [GUIMenu](#) [Dynamic Local User Policy](#) [GUIMenu](#) as the [GUIMenu](#) [Policy Type](#) [GUIMenu](#) , click [GUIMenu](#) [Next](#) [GUIMenu](#) . [Para](#) [Step](#)
 - 6 [Step](#) [Para](#) In the [GUIMenu](#) [Define Details](#) [GUIMenu](#) page fill in the following fields: [Para](#)
[FormalPara](#) [Title](#) **Policy Name:** [Title](#) [Para](#) Provide a name for the policy. The policy name must be different than the name of any other item (group, folder, and so forth) that resides in the same folder. The name you provide displays in ZENworks Control Center. [Para](#) [FormalPara](#)
[FormalPara](#) [Title](#) **Folder:** [Title](#) [Para](#) Type the name or browse to the ZENworks Control Center folder where you want the policy to reside. The default is [Filename](#) [/policies](#) [Filename](#) , but you can create additional folders to organize your policies. [Para](#) [FormalPara](#)
[FormalPara](#) [Title](#) **Administrator Notes:** [Title](#) [Para](#) Provide a short description of the policy’s content. This description displays in ZENworks Control Center. [Para](#) [FormalPara](#) [Step](#)
 - 7 [Step](#) [Para](#) Click [GUIMenu](#) [Next](#) [GUIMenu](#) to display the User Configurations page, then use the options on the page to configure the user account. [Para](#)

[\[- Para\]](#) The following table contains information about configuring dynamic local user accounts and managing them on managed devices: [/ Para](#)

[\[- InformalTable\]](#) [\[- TGroup\]](#) [/ InformalTable](#) [/ Step](#)

[\[- Para\]](#) **Field** [\[- Para\]](#) **Details** [/ Para](#)
[/ Para](#)

[\[- Para\]](#) [\[- Para\]](#) Enables logging in through the user source credentials instead of the Windows Operating System credentials. [/ Para](#)
[\[- GUIMenu\]](#) **Use**

User Source

Credentials

[/ GUIMenu](#)

[/ Para](#)

Field

Details

Use the Credentials Specified Below (Always volatile)

If you do not select **Use User Source Credentials**, the user account that is created is always volatile and is not accessible. This setting allows you to specify the following user credentials for a volatile user:

- User Name:** Specify the user's name.
- Full Name:** Specify the user's complete name.
- +**
- Use User Source Password:** Select this option to create the account with the password configured in the user source. Ensure that you enable the setting **Manage Existing User Account (if any)**. If both settings are enabled, a user who has logged into the workstation at least once, can login locally on the workstation and access it even in case of network logon failure.

If a user logs in to a device that has the Dynamic Local User policy applied and then logs out of the device when the device is disconnected from the network, the user is unable to log in to the disconnected device again. For information on this issue, see

[“Dynamic Local User Policy Troubleshooting” on page 103](#).

Field
/ Para

Details / Para

Manage Existing User Account (if any)
/ GUIMenu
/ Para

Helps you to manage a user object that already exists. / Para

If you select both the **Volatile User** / GUIMenu and the **Manage Existing User Account (If Any)** / GUIMenu check boxes, and the user has a permanent local account that uses the same username specified in the user source, the permanent account is changed to a volatile (temporary) account and is removed when the user logs out. / Para

If a local user object already exists with a DLU user name, any changes to the DLU user name cannot be applied on the policy unless you enable **Manage Existing User Account (if any)** / GUIMenu. This setting must be enabled for the following scenarios to work: / Para

- ♦ **ItemizedList** / ListItem / Para Manually changing the user password. / Para / ListItem
- ♦ **ListItem** / Para Changing the user e-directory password. / Para / ListItem
- ♦ **ListItem** / Para Applying updated settings if the local user account is present on the device. / Para / ListItem / ItemizedList

Volatile User
/ GUIMenu
/ Para

Specifies the use of a volatile user account for login. The user account that NWGINA creates on the local workstation can be either a volatile or a nonvolatile account. / Para

Field
/ Para

Details / Para

Enable
Volatile User
Cache / Para

Para Enables the caching of the volatile user account on the device for a specified period of time. / Para

Para If the **GUIMenu** **Enable Volatile User** **Cache** / **GUIMenu** setting is set in disconnected mode, the following are possible: / Para

- ◆ **ItemizedList** **ListItem** **Para** On a device that has Novell Client installed, the last logged in user can log in to the system locally. / Para / ListItem
- ◆ **ListItem** **Para** If you have enabled ZENworks GINA to use DLU without the Novell Client, then any previously logged in cached user can log in to the system locally. / Para / ListItem / ItemizedList

Cache
Volatile User for Time
Period (Days) / Para

Para Allows you to specify the number of days to cache the volatile user account on the device. The default value is 5. You can specify a value from 1 to 999 days. / Para

Para This volatile user account is deleted after the expiry of the specified cache period when another DLU user logs out from the device. / Para

Para
GUIMenu **Not a**
Member
of / **GUIMenu**
/ Para

Para Displays the available group to which a user can be assigned as a member. / Para

Para
GUIMenu **Membe**
r
of / **GUIMenu**
/ Para

Para Displays groups a user is member of. / Para

Para
GUIMenu **Custom**
/ **GUIMenu**
/ Para

Para Click **GUIMenu** **Custom** / **GUIMenu** to display the Custom Group Properties dialog box, through which you can add a new custom group and configure its rights. / Para

[Field](#) [Details](#) / [Para](#)
/ [Para](#)

[Para](#) [Click](#) [GUIMenu](#) [Edit](#) / [GUIMenu](#) to view and edit the details of a custom group. You cannot edit the default Windows groups with this option. [Para](#)
/ [GUIMenu](#)
/ [Para](#)

[Para](#) [Click](#) [GUIMenu](#) [Delete](#) / [GUIMenu](#) to delete a custom group. You cannot delete the default Windows groups with this option.
[GUIMenu](#) [Delete](#) / [GUIMenu](#)
/ [Para](#)
/ [Para](#)

- 8 [Step](#) [Para](#) [Click](#) [GUIMenu](#) [Next](#) / [GUIMenu](#) to display the Login Restrictions page, then fill in the fields to configure user access: [Para](#)
- [ItemizedList](#) [ListItem](#) [FormalPara](#) / [ListItem](#)
 - [ListItem](#) [FormalPara](#) [Title](#) **Included / Excluded Workstations:** / [Title](#)
[Para](#) Lists the workstations and containers that you want to include or exclude access to. For more information, see [XRefInt](#) [“Rules for Workstations”](#) on page 26 / [XRefInt](#) . / [Para](#) / [FormalPara](#) / [ListItem](#) / [ItemizedList](#)
[Para](#) The [GUIMenu](#) [Excluded Workstations List](#) / [GUIMenu](#) displays the workstations and containers that you want to exclude DLU access to. Workstations listed or workstations that are in the containers listed here cannot use DLU access. You can make exceptions for individual workstations by listing them in the [GUIMenu](#) [Included Workstations List](#) / [GUIMenu](#) . This allows DLU access to those workstations only, and excludes DLU access to the remaining workstations in the container. If the user account is already on the workstation, the option to exclude the device from receiving the DLU policy is ignored. / [Para](#) / [Step](#)
- 9 [Step](#) [Para](#) [Click](#) [GUIMenu](#) [Next](#) / [GUIMenu](#) to display the File Rights page. / [Para](#)
- [+ Para](#)
- [Para](#) The following table contains information about managing Dynamic Local User file system access on the managed device: / [Para](#)

[InformalTable](#) [TGroup](#) / [InformalTable](#) / [Step](#)

[Para](#) [Fi](#) [Para](#) [Details](#) / [Para](#)
[eld](#) / [Para](#)

[Para](#) [Para](#) Allows you to select and assign appropriate file rights. / [Para](#)

[GUIMenu](#) [Para](#) To add a file/folder: / [Para](#)

Add

/ [GUIMenu](#)
1. [+ OrderedList](#)
/ [Para](#)

[Para](#) [Para](#) [GUIMenu](#) [Copy](#) / [GUIMenu](#) : Allows you to copy and add a file rights setting to the list. / [Para](#)

Edit

/ [GUIMenu](#)
1. [OrderedList](#) [+ ListItem](#)
2. [+ ListItem](#)
3. [+ ListItem](#)
4. [+ ListItem](#) / [OrderedList](#)

[Para](#) [GUIMenu](#) [Rename](#) / [GUIMenu](#) : Allows you to edit only the filename. / [Para](#)

1. [OrderedList](#) [ListItem](#) [Para](#) Select a file or folder, then click
[GUIMenu](#) [Edit](#) / [GUIMenu](#) . / [Para](#) / [ListItem](#)
2. [+ ListItem](#)
3. [+ ListItem](#)
4. [+ ListItem](#) / [OrderedList](#)

[Para](#) [Para](#) Allows you to reorder the files or folders. / [Para](#)

[GUIMenu](#) 1. [OrderedList](#) [ListItem](#) [Para](#) Select the check box next to the file or folder you want to move. / [Para](#) / [ListItem](#)

Move

Up

/ [GUIMenu](#)
2. [ListItem](#) [Para](#) Click [GUIMenu](#) [Move Up](#) / [GUIMenu](#) or
[GUIMenu](#) [Move Down](#) / [GUIMenu](#) to relocate
it. / [Para](#) / [ListItem](#) / [OrderedList](#)

or

[GUIMenu](#)

Move

Down

/ [GUIMenu](#)
/ [Para](#)

[\[- Para\]](#) [Fi](#) [\[- Para\]](#) [Details](#) [/ Para](#)
[eld](#) [/ Para](#)

[\[- Para\]](#) [\[- Para\]](#) Allows you to remove a file or a folder from the list. [/ Para](#)

[\[- GUI Menu\]](#) [Remove](#)

1. [\[- OrderedDict\]](#) [\[- ListItem\]](#) [\[- Para\]](#) Select the check box next to the file or folder. [/ Para](#) [/ ListItem](#)
2. [\[- ListItem\]](#) [\[- Para\]](#) Click [\[- GUI Menu\]](#) [Remove](#) [/ GUI Menu](#) . [/ Para](#) [/ ListItem](#) [/ OrderedDict](#)

- 10 [\[- Step\]](#) [\[- Para\]](#) Click [\[- GUI Menu\]](#) [Next](#) [/ GUI Menu](#) to display the Summary page. Review the information and, if necessary, use the [\[- GUI Menu\]](#) [Back](#) [/ GUI Menu](#) button to make changes to the information on the Summary page. [/ Para](#) [/ Step](#)
- 11 [\[- Step\]](#) [\[- Para\]](#) (Conditional) Select [\[- GUI Menu\]](#) [Create as Sandbox](#) [/ GUI Menu](#) , if you want to create the sandbox version of the policy. [/ Para](#) [/ Step](#)
- 12 [\[- Step\]](#) [\[- Para\]](#) Click [\[- GUI Menu\]](#) [Finish](#) [/ GUI Menu](#) to create the policy now, or select [\[- GUI Menu\]](#) [Define Additional Properties](#) [/ GUI Menu](#) to specify additional information, such as policy assignment, [\[- XRefIntText\]](#) [system requirements](#) [/ XRefIntText](#) , enforcement, status, and which group the policy is a member of. [/ Para](#) [/ Step](#) [/ Procedure](#)

3.2.1 [+ Sect2](#)

3.2.2 [+ Sect2](#)

3.2.3 [- Sect2 [- Title **Implementing the Dynamic Local User Policy Without the Novell Client** / Title

[- Para To log a dynamic user with an e-directory account into a workstation using the Dynamic Local User policy: / Para

- 1 [- Procedure [- Step [- Para Install the ZENworks Agent on the workstation. / Para / Step
- 2 [- Step [- Para After successful installation, create a DWORD value [- Literal AllowDLUWithoutNovellClient / Literal under the following registry key and set its data to 1: / Para

[- FormalPara [- Title **Windows XP (32-bit):** / Title

[- Para [- Literal HKEY_LOCAL_MACHINE\\SOFTWARE\\Novell\\NWGINA / Literal
/ Para / FormalPara

[- Para For this registry key to be effective, it is mandatory that you reboot the Windows XP device. / Para

[- FormalPara [- Title **Windows Vista (32-bit and 64-bit):** / Title

[- Para [- Literal HKEY_LOCAL_MACHINE\\SOFTWARE\\Novell\\Authentication / Literal
/ Para / FormalPara

+ FormalPara

+ FormalPara

[- Para This support is not available on managed devices running Windows Server operating systems. / Para

[- Note **NOTE:** [- Para In Windows Vista, Windows 7 or Windows 10, if the initial login screen does not have an option to enter the username, then do one of the following: / Para

1. [- OrderedList [- ListItem [- Para Enable the following setting from the Local Security policy: / Para
 - a. + OrderedList
[- Para or / Para / ListItem

2. **ListItem** **Para** Create the following registry key
Filename [HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\System] dontdisplaylastusername
#dword:00000001 **Filename** **Para**

Para For more information on the Registry key see,

CiteTitle **XRefExt** [ZENworks Registry Keys Reference](#) **XRefExt** **CiteTitle** .
Para **ListItem** **OrderedList** **Note** **Step**

- 3 **Step** **Para** Create a user source on the ZENworks server, assuming the user source has one user with the credentials admin/novell. **Para** **Step**

- 4 **Step** **Para** Log in to the workstation using user-source credentials (admin/novell). **Para**

Para A Dynamic Local User account gets created. **Para**

Important **IMPORTANT:** **Para** **Para**

- ♦ **ItemizedList** **ListItem** **Para** If the DLU policy is created to take the credentials other than the user-source credentials, a DLU user fails to unlock the workstation. **Para** **ListItem** **ItemizedList** **Important** **Step**
Procedure **Sect2** **Sect1**
-

3.3 **Sect1** **Title** Local File Rights Policy **Title**

Para The Local File Rights policy allows you to configure rights for files or folders that exist on the NTFS file systems. **Para**

Para The policy can be used to configure basic and advanced permissions for both local and domain users and groups. It provides the ability for an administrator to create custom groups on managed devices. **Para**

- 1 **Procedure** **Step** **Para** In ZENworks Control Center, click the **GUIMenu** Policies **GUIMenu** tab. **Para** **Step**
- 2 **Step** **Para** In the **GUIMenu** Policies **GUIMenu** list, click **GUIMenu** New **GUIMenu** , then click **GUIMenu** Policy **GUIMenu** . **Para**
Para or **Para**
Para In the **GUIMenu** Policy Tasks **GUIMenu** , click **GUIMenu** New Policy **GUIMenu** . **Para**
Para The **GUIMenu** Select Platform **GUIMenu** page is displayed. **Para** **Step**

- 3 Step
- 4 Step Para Select GUIMenu Windows Configuration Policies / GUIMenu , then click GUIMenu Next / GUIMenu . / Para / Step
- 5 Step Para Select GUIMenu Local File Rights Policy / GUIMenu as the GUIMenu Policy Type / GUIMenu , then click GUIMenu Next / GUIMenu / Para / Step
- 6 Step Para In the GUIMenu Define Details / GUIMenu page fill in the following fields: / Para

FormalPara Title **Policy Name:** / Title Para Provide a name for the policy. The policy name must be different than the name of any other item (group, folder, and so forth) that resides in the same folder. The name you provide displays in ZENworks Control Center. / Para / FormalPara

FormalPara Title **Folder:** / Title Para Type the name or browse to and select the ZENworks Control Center folder where you want the policy to reside. The default is Filename /policies / Filename , but you can create additional folders to organize your policies. / Para / FormalPara

FormalPara Title **Administrator Notes:** / Title Para Provide a short description of the policy's content. This description displays in ZENworks Control Center. / Para / FormalPara / Step
- 7 Step Para Click GUIMenu Next / GUIMenu to display the Configure Basic Properties page, then use the options on the page to configure the attributes. / Para

Para The following table contains information about configuring a file or folder and the attributes associated with it: / Para

InformalTable TGroup / InformalTable

Para Field	Para Details / Para
Para GUIMenu File / Folder Path / GUIMenu / Para	Para Allows you to specify the complete path of a file or folder on the managed device. You can use the ZENworks system variables or environment variables to specify the path. / Para
Para To configure system variables in ZENworks Control Center, click the GUIMenu Configuration / GUIMenu tab > the GUIMenu Device Management / GUIMenu setting in the Management Zone Settings panel > GUIMenu System Variables / GUIMenu . Click the GUIMenu Help / GUIMenu button for details about configuring system variables. / Para	

[Field](#) [Details](#) / [Para](#)
[/ Para](#)

[Para](#) [Para](#) When you select this option, [GUIMenu](#) / [GUIMenu](#) a
[GUIMenu](#) message is sent to the Primary Server. If a folder entered by the user is not present
Notify if the file on the ZENworks Agent, then the policy fails to enforce on the managed
or folder does not device. [/ Para](#)

exist
[/ GUIMenu](#) [Para](#) If you de-select this option [GUIMenu](#) / [GUIMenu](#), even if a
[/ Para](#) folder is not present on the ZENworks Agent, a message will not be sent to the
Primary Server and the policy will be enforced successfully on the managed
device. [/ Para](#)

[Para](#) [Para](#) Allows you to specify the attributes of a file or folder, such as
[GUIMenu](#) [GUIMenu](#) **Read only** / [GUIMenu](#) and [GUIMenu](#)
Attributes **Hidden** / [GUIMenu](#) . [/ Para](#)
[/ GUIMenu](#)
[/ Para](#)

[Para](#) This page allows you to configure permissions for only one file or folder. If you want
to assign permissions to multiple files or folders, then configure them in the Details page after
creating the policy. [/ Para](#) [/ Step](#)

8 [Step](#) [+ Para](#)

[Para](#) The following table contains information about configuring permissions: [/ Para](#)

[InformalTable](#) [TGroup](#) / [InformalTable](#)

[Para](#) **Field** [Para](#) **Details** / [Para](#)
/ [Para](#)

[Para](#) [Para](#) Allows you to configure permissions for users or groups. / [Para](#)

[GUIMenu](#) **Permissions for Users or Groups**

Groups

/ [GUIMenu](#)

/ [Para](#)

1. [OrderedList](#) [ListItem](#) [+ Para](#)

[Note](#) **NOTE:** [Para](#) The domain group name should be specified as [Literal](#) domaingroupname / [Literal](#) and not as

[Literal](#) domainname/
domaingroupname / [Literal](#) . / [Para](#) / [Note](#) / [ListItem](#)

2. [ListItem](#) [Para](#) Select the type of permission you want to configure as [GUIMenu](#) **Simple NTFS Permissions** / [GUIMenu](#) or [GUIMenu](#) **All NTFS Permissions** / [GUIMenu](#) . Depending on the type of permission you select, a list of permissions are displayed. Configure the permissions as applicable to the selected user or group. / [Para](#) / [ListItem](#)

3. [ListItem](#) [Para](#) By default, when a permission is set on a folder, all the subfolders and the files also inherit the permissions. If you want to restrict the inheritance of the rights to only the immediate child file or folder, select [GUIMenu](#) **Restrict inheritance to immediate child files/folders only** / [GUIMenu](#) . / [Para](#) / [ListItem](#)

4. [+ ListItem](#) / [OrderedList](#)

[Para](#) The permissions configured for the user or group in the Dynamic Local User policy takes precedence over the permissions configured in the Local File Rights policy. / [Para](#)

[Para](#) [Para](#) Creates a group for which permissions are configured; however the group does not exist on the managed device. With this option, you can create only local groups. / [Para](#)

[GUIMenu](#) **Create Groups on the Managed Device if they Do not Exist**

/ [GUIMenu](#)

/ [Para](#)

[Field](#) [Details](#) / [Para](#)
[/ Para](#)

[Para](#) [Para](#) Removes all access control entries for users or groups not configured by the ZENworks Local File Rights policy. Also, updates the existing access control entries for users and groups configured in the policy. After the policy is applied, any manual changes made to the permissions for a user or group configured by the policy are lost when the policy is re-applied. [/ Para](#)

[GUI Menu](#) [Re](#)
[move Access](#)
[Control Rules not](#)
[Configured by](#)
[ZENworks](#)
[/ GUI Menu](#)
[/ Para](#)

[Para](#) [Para](#) Select [GUI Menu](#) [Yes](#) / [GUI Menu](#) if you want a file or folder to inherit applicable access control rules from its parent object. If you select [GUI Menu](#) [No](#) / [GUI Menu](#), inherited rules are removed. If you do not want to make any changes, select [GUI Menu](#) [not configured](#) / [GUI Menu](#) on the managed device. At least one attribute, permission, or inheritance setting must be configured to create a policy. Without configuring any settings, you cannot create a policy. [/ Para](#)

[GUI Menu](#) [In](#)
[herit Applicable](#)
[Access Rights](#)
[Configured on](#)
[Parent](#)
[Folders](#)
[/ GUI Menu](#)
[/ Para](#)

[+ Note](#) / [Step](#)

9 [+ Step](#)

10 [Step](#) [Para](#) (Conditional) Select [GUI Menu](#) [Create as Sandbox](#) / [GUI Menu](#), if you want to create the sandbox version of the policy. [/ Para](#) [/ Step](#)

11 [Step](#) [Para](#) Click [GUI Menu](#) [Finish](#) / [GUI Menu](#) to create the policy now, or select [GUI Menu](#) [Define Additional Properties](#) / [GUI Menu](#) to specify additional information, such as policy assignment, [XRefIntText](#) [system requirements](#) / [XRefIntText](#), enforcement, status, and which group the policy is a member of. [/ Para](#) [/ Step](#) [/ Procedure](#) [/ Sect1](#)

3.4 [- Sect1] [- Title] Power Management Policy [/ Title]

[- Para] The Power Management policy allows you to configure the Power Management settings on the managed devices by creating a power scheme. It lets you configure the plugged in and battery power management settings and assign them to a device or a user. [/ Para]

- 1 [- Procedure] [- Step] [- Para] In ZENworks Control Center, click the [- GUIMenu] Policies [/ GUIMenu] tab. [/ Para] [/ Step]
- 2 [- Step] [- Para] In the [- GUIMenu] Policies [/ GUIMenu] list, click [- GUIMenu] New [/ GUIMenu] , then click [- GUIMenu] Policy [/ GUIMenu] . [/ Para]
[- Para] or [/ Para]
[- Para] In the [- GUIMenu] Policy Tasks [/ GUIMenu] , click [- GUIMenu] New Policy [/ GUIMenu] . [/ Para]
[- Para] The [- GUIMenu] Select Platform [/ GUIMenu] page is displayed. [/ Para] [/ Step]
- 3 [+ Step]
- 4 [- Step] [- Para] Select [- GUIMenu] Windows Configuration Policies [/ GUIMenu] , then click [- GUIMenu] Next [/ GUIMenu] . [/ Para] [/ Step]
- 5 [- Step] [- Para] Select [- GUIMenu] Power Management Policy [/ GUIMenu] as the [- GUIMenu] Policy Type [/ GUIMenu] , then click [- GUIMenu] Next [/ GUIMenu] . [/ Para] [/ Step]
- 6 [- Step] [- Para] In the [- GUIMenu] Define Details [/ GUIMenu] page fill in the following fields: [/ Para]
[+ FormalPara]
[+ FormalPara]
[+ FormalPara] [/ Step]
- 7 [- Step] [- Para] Click [- GUIMenu] Next [/ GUIMenu] to configure the power settings for a managed device. [/ Para] [/ Step]
- 8 [- Step] [- Para] In the Add Power Scheme Settings page fill in the following fields: [/ Para]
[- FormalPara] [- Title] **Scheme Name:** [/ Title] [- Para] The policy name specified on the Define Details page is automatically displayed. You can either retain the policy name for the scheme or specify a new scheme name. ZENworks creates a scheme with the specified name on the managed device. [/ Para] [/ FormalPara]

Scheme Description: Provide a description for the power scheme. The description is displayed as a tooltip for the power scheme on the

NOTE:

To add power scheme settings to a device or user, refer to the following table:

We recommend that you configure the power scheme duration in the following descending order: System Hibernation > System Standby > Hard Disks > Monitor.

-
- When you apply power management settings on a Windows XP managed device, the scheme name is displayed in the settings panel of the Windows Power Options console only for a system user.

3.5 Printer Policy

The Printer policy allows you to configure Local, SMB, HTTP, TCP/IP, CUPS, and iPrint printers on a Windows device.

NOTE: On a 32-bit agent machine, when the iPrint printer is installed through a user assigned printer policy, you will not be able to view the printer preferences or properties.

- In ZENworks Control Center, click the **Policies** tab.
- In the **Policies** list, click **New**, then click **Policy**.
or
In the **Policy Tasks**, click **New Policy**.
The **Select Platform** page is displayed.

- 3 [+ Step](#)
 - 4 [- Step](#) [- Para](#) Select [- GUIMenu](#) **Windows Configuration Policies** [/ GUIMenu](#) , then click [- GUIMenu](#) **Next** [/ GUIMenu](#) . [/ Para](#) [/ Step](#)
 - 5 [- Step](#) [- Para](#) Select [- GUIMenu](#) **Printer Policy** [/ GUIMenu](#) as the [- GUIMenu](#) **Policy Type** [/ GUIMenu](#) , then click [- GUIMenu](#) **Next** [/ GUIMenu](#) . [/ Para](#) [/ Step](#)
 - 6 [- Step](#) [- Para](#) In the [- GUIMenu](#) **Define Details** [/ GUIMenu](#) page fill in the following fields: [/ Para](#)

[+ FormalPara](#)
[+ FormalPara](#)
[+ FormalPara](#) [/ Step](#)
 - 7 [- Step](#) [- Para](#) Click [- GUIMenu](#) **Next** [/ GUIMenu](#) to display the Printer Identification page, then select the type of printer to be installed on the managed device. [/ Para](#) [/ Step](#)
 - 8 [- Step](#) [- Para](#) Click [- GUIMenu](#) **Next** [/ GUIMenu](#) , then skip to the appropriate step, depending on which printer type you chose in [- XRefInt](#) **Step 7** [/ XRefInt](#) : [/ Para](#)
 - ♦ [- ItemizedList](#) [- ListItem](#) [- FormalPara](#) [- Title](#) **Local Printer:** [/ Title](#)

[- Para](#) Continue with [- XRefInt](#) **Step 9** [/ XRefInt](#) .
[/ Para](#) [/ FormalPara](#) [/ ListItem](#)
 - ♦ [- ListItem](#) [- FormalPara](#) [- Title](#) **Network Printer:** [/ Title](#) [- Para](#) Skip to [- XRefInt](#) **Step 10** [/ XRefInt](#) . [/ Para](#) [/ FormalPara](#) [/ ListItem](#)
 - ♦ [- ListItem](#) [- FormalPara](#) [- Title](#) **iPrint Printer:** [/ Title](#) [- Para](#) Skip to [- XRefInt](#) **Step 11** [/ XRefInt](#) . [/ Para](#) [/ FormalPara](#) [/ ListItem](#) [/ ItemizedList](#)
-
- [- Note](#) **NOTE:** [- Para](#) Create and assign separate policies for different platforms for a printer. [/ Para](#) [/ Note](#) [/ Step](#)
-
- 9 [- Step](#) [- Para](#) (Conditional) If you are configuring a local printer, refer to the following table for more information: [/ Para](#)

[InformalTable](#) [TGroup](#) / [InformalTable](#) / [Step](#)

[Para](#) **Field** [Para](#) **Details** / [Para](#)
/ [Para](#)

[Para](#) [Para](#) Specify the name of the local printer that you want to configure on the target device. / [Para](#)

[GUIMenu](#) **Nam**
e / [GUIMenu](#)
/ [Para](#)

[Para](#) [Para](#) Browse to and select a suitable driver for the printer. If the driver is not contained in the browser list, type in the correct model name. The driver must either be installed on the target device or specified in the enforced policies. The driver must be digitally signed by Microsoft. However, if you choose to use a driver that is not digitally signed, see the

[GUIMenu](#) **Drive**
r / [GUIMenu](#)
/ [Para](#)

[XRefIntText](#) [Troubleshooting Scenario](#) / [XRefIntText](#) . / [Para](#)

[Para](#) [Para](#) Select the physical port to which the printer is added, such as LPT1, COM1 or Standard TCP/IP. / [Para](#)

[GUIMenu](#) **Port**
/ [GUIMenu](#)
/ [Para](#)

[Note](#) **NOTE:** [Para](#) If you assign a TCP/IP Printer policy to a 11 SP1 or older version of the agent, the policy gets applied and then fails and sends errors to the server at every refresh, as it is not supported. / [Para](#)

[Para](#) Remove the association with the lower version of the agents from the TCP/IP printer policy, to prevent it from being applied at every refresh. / [Para](#) / [Note](#)

[Para](#) **IP**
Address / [Para](#) [Para](#) Specify the IP address of the local printer. This field appears only if you select Standard TCP/IP as the port. / [Para](#)

[Para](#) [Para](#) Specify the protocol of the local printer. You can select either RAW or LPR from the drop-down options. This field appears only if you select Standard TCP/IP as the port. / [Para](#)

[GUIMenu](#) **Proto**
col / [GUIMenu](#)
/ [Para](#)

[Para](#) [Para](#) Specify the port number for the protocol. Typically the port number is 9100. This field appears only if you select the RAW protocol on the Standard TCP/IP settings page. / [Para](#)

[GUIMenu](#) **Port**
Number
/ [GUIMenu](#)
/ [Para](#)

[Field](#) [Details](#) / [Para](#)
[/ Para](#)

[Para](#) [GUI Menu](#) **Queue** [Para](#) Specify the queue name to be used by this port, if a name is required by your printer. This field appears only if you select the LPR protocol on the Standard TCP/IP settings page. [/ Para](#)
[Name](#) / [GUI Menu](#)
[/ Para](#)

[Para](#) [GUI Menu](#) **LPR Byte Counting** [Para](#) Choose this option if you encounter problems such as missing or incomplete documents when printing. When LPR byte counting is enabled, the system counts the number of bytes in a document before processing the print request. Most printers do not need byte counting enabled because it can be very time consuming. This field appears only if you select the LPR protocol on the Standard TCP/IP settings page. [/ Para](#)
[/ GUI Menu](#)
[/ Para](#)

[Para](#) [GUI Menu](#) **SNMP** [Para](#) Select this option if the printer attached to this port supports RFC1759. This field appears only if you select Standard TCP/IP as the port. [/ Para](#)
P Status

Enabled
[/ GUI Menu](#)
[/ Para](#) [FormalPara](#) [Title](#) **Community Name:** [/ Title](#)

[Para](#) Specify a community name, for example: [Replaceable](#)
public. [/ Replaceable](#) [/ Para](#) [/ FormalPara](#)

[FormalPara](#) [Title](#) **SNMP Device Index:** [/ Title](#)

[Para](#) Specify the device index, for example:
[Replaceable](#) 1. [/ Replaceable](#) [/ Para](#) [/ FormalPara](#)

<div> <div>Para</div> <div>Field</div> </div> <div> <div>Para</div> <div>Details</div> <div>Para</div> </div> <div> <div>Para</div> </div>	
<div> <div>Para</div> </div> <div> <div>GUIMenu</div> <div>Install</div> </div> <div> <div>I a</div> </div> <div> <div>Driver</div> <div>GUIMenu</div> </div> <div> <div>Para</div> </div>	<div> <div>Para</div> </div> <div> <div>Para</div> <div>Select this option to install a driver on the target device. The driver installation must be non-interactive and silent. The supported driver installation types are .inf and .exe. For the .inf type, the driver files can be bundled in .zip or .tar formats. The .inf file can be specified directly if it is already available on the target device</div> <div> <div>Para</div> </div> </div> <div> <div> <div>Note</div> <div>NOTE:</div> <div>Para</div> </div> <div>To add a new printer driver to the existing driver list:</div> <div> <div>Para</div> </div> </div> <div> <div> <div>Para</div> </div> <div> <div>Edit the</div> <div>Filename</div> <div>printerDriverDetails.conf</div> <div>file to add the following line:</div> <div>Para</div> </div> </div> <div> <div> <div>Screen</div> <div>Replaceable</div> <div>Printer_</div> <div>Manufacturername</div> <div>Replaceable</div> <div>=</div> <div>Replaceable</div> <div>Printer_</div> <div>Model</div> <div>Replaceable</div> <div>Screen</div> </div> </div> <div> <div> <div>Para</div> </div> <div> <div>The</div> <div>Filename</div> <div>printerDriverDetails.conf</div> <div>file is available in the following location:</div> <div>Para</div> </div> </div> <div> <div> <div>ItemizedList</div> <div>ListItem</div> <div>Para</div> </div> <div>On Linux: /etc/opt/microfocus/zenworks/zenworks-conf</div> <div>Para</div> <div>ListItem</div> </div> <div> <div> <div>ListItem</div> <div>Para</div> </div> <div>On Windows:</div> <div>zenserver_home\conf\zenworks-conf</div> <div>Para</div> <div>ListItem</div> <div>ItemizedList</div> </div>

Para

Ensure that you restart the microfocus-zenadmin-mgmt.service after making any necessary modifications to the file for the changes to take effect.

Para

Para

For example, if you want to add an HP Color LaserJet 4550 PCL printer, then add the following line:

Para

Screen

HP = HP Color LaserJet 4550 PCL

Screen

Note

Para

Para

Para

GUIMenu

Model

el

Name

GUIMenu

Para

[- Para

Field

[- Para

Details

/ Para

/ Para

[- Para

[- GUIMenu

Drive
r File
Path

/ GUIMenu

/ Para

[- Para

Specify the driver files either from a particular device where the browser is running or from a path on the managed device, such as

[- Filename

C:\temp\nipp.zip

/ Filename

/ Para

+ Note

[- Para

[- GUIMenu

Supp
orted
Platforms

/ GUIMenu

/ Para

[- Para

Specify a platform for the driver. The platform information helps to select a suitable driver from the available drivers list, which is based on the installation platform.

/ Para

[- Para

[- GUIMenu

Lang
uage of
Installation

/ GUIMenu

/ Para

[- Para

Select the installation language. Your choices are English (United States), French, German, Portuguese, Spanish, Italian, Chinese (Traditional), Chinese (Simplified), or Japanese.

/ Para

[- Para

I

[- GUIMenu

nstall
Forcefully Even if the
Driver is Already
Installed

/ GUIMenu

/ Para

[- Para

Select this option to force installation of the driver, even though it is already installed on the target device.

/ Para

10

[- Step

[- Para

(Conditional) If you are configuring a Network printer, refer to the following table for more information:

/ Para

InformalTable		TGroup	InformalTable	Step
Para	Field	Para	Details	Para
	Para			
Para		Para	Specify the UNC path or URL name of the HTTP, SMB or CUPS printer.	
GUIMenu	Nam			Para
e /		Para	For example, it is <code>\\server-name\printer-name</code> for an SMB printer, <code>http://server:631/printers/myprinter</code> for a CUPS printer, or <code>http://server/printers/.myprinter/.printer</code> for a HTTP printer.	
Location				
	GUIMenu			
	Para			
		Note	NOTE:	Para
			Support for network printer that prompts for user credentials is not provided.	
			Para	Note
Para		Para	Browse to add and select a suitable driver for the Windows HTTP printer. You can ignore this for SMB printers.	
GUIMenu	Driv			Para
er	GUIMenu	Para	The driver must be digitally signed by Microsoft. However, if you choose to use a driver that is not digitally signed, see the	
	Para	XRefIntText	Troubleshooting Scenario	XRefIntText
				Para

Field **Details** / **Para**
/ **Para**

Para Use this option to install a driver on the target device. The driver installation is non-interactive and silent. The supported driver installation types is **Filename** .inf / **Filename** and the **Filename** .inf / **Filename** driver files can be bundled in **Filename** .zip / **Filename** or **Filename** .tar / **Filename** formats. The **Filename** .inf / **Filename** file can be specified directly if it is already available on the target device. Ensure that the **Filename** .inf / **Filename** file supports the installation of the driver. / **Para**

GUI Menu **Inst**
all a
Driver
/ **GUI Menu**
/ **Para**

Note **NOTE:** **Para** To add a new printer driver to the existing driver list: / **Para**

Para Edit the **Filename** printerDriverDetails.conf / **Filename** file to add the following line: / **Para**

Screen **Replaceable** *Printer_*
Manufacturername / **Replaceable** = **Replaceable** *Printer_*
Model / **Replaceable** / **Screen**

Para The **Filename** printerDriverDetails.conf / **Filename** file is available in the following location: / **Para**

- ♦ **ItemizedList** **ListItem** **Para** On Linux: /etc/opt/microfocus/zenworks/zenworks-conf / **Para** / **ListItem**
- ♦ **ListItem** **Para** On Windows:
zenserver_home\conf\zenworks-conf / **Para** / **ListItem** / **ItemizedList**

Screen **Replaceable** *Printer_*
Manufacturername / **Replaceable** = **Replaceable** *Printer_*
Model / **Replaceable** / **Screen**

Para Ensure that you restart the microfocus-zenadmin-mgmt.service after making any necessary modifications to the file for the changes to take effect. / **Para**

Para For example, if you want to add an HP Color LaserJet 4550 PCL printer, then add the following line: / **Para**

Screen HP = HP Color LaserJet 4550 PCL / **Screen** / **Note**

<input type="checkbox"/> Para	Field	<input type="checkbox"/> Para	Details	/ Para
				/ Para
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Browse to select the model name of the driver.	/ Para
<input type="checkbox"/> GUIMenu	Model			
	Name			
		/ GUIMenu		
		/ Para		
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Specify the driver files either from a particular device where the	
<input type="checkbox"/> GUIMenu	Driver File		browser is running or from a path in the managed device, such as	
		<input type="checkbox"/> Filename	c:\temp\nip.zip	/ Filename . / Para
	Path	/ GUIMenu		
		/ Para	<input type="checkbox"/> Note	
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Specify a platform for the driver. The platform information helps to	
<input type="checkbox"/> GUIMenu	Supported Platforms		select a suitable driver from the available drivers list, which is based on the	
			installation platform.	/ Para
		/ GUIMenu		
		/ Para		
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Select the installation language. Your choices are English (United	
<input type="checkbox"/> GUIMenu	Language of Installation		States), French, German, Portugese, Spanish, Italian, Chinese (Traditional),	
			Chinese (Simplified), or Japanese.	/ Para
		/ GUIMenu		
		/ Para		
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Select this option to force the installation of the driver on the device	
<input type="checkbox"/> GUIMenu	Install all Forcefully Even if the Driver is Already Installed		every time the policy is applied on the device, even if the driver is already	
			installed on the device.	/ Para
		/ GUIMenu		
		/ Para		

- 11 ☐ Step ☐ Para (Conditional) If you are configuring an iPrint printer, refer to the following table for more information: / Para

Para On Windows Vista devices, you need to install the Novell iPrint client 5.04 or later. **Para**

InformalTable **TGroup** **InformalTable** **Step**

Para **Field** **Para** **Details** **Para**
Para

Para **Para** Specify the URI name of the iPrint printer. For
GUIMenu **Name** example, **Filename** ipp://acme.com/ipp/
/ servername **Filename** . **Para**

Location

GUIMenu
Para

Para **Para** Select this option to update the printer driver and to reinstall the
GUIMenu **Updat** printer driver from the iPrint server while installing the iPrint
e iPrint Printer while printer. **Para**

Installing the

Driver **GUIMenu**
Para

Para **Para** Select this option to install the iPrint client on a target machine.
GUIMenu **Install** **Para**

iPrint

Client **GUIMenu** **Para** The installation file can be either
Filename nipp.zip **Filename** or **Filename** nipp-
s.exe **Filename** , both of which are capable of carrying out non-
interactive silent installation. These files can be uploaded from the machine
where the browser is running. **Para**

Para To install the iPrint client, you cannot use a
Filename .exe **Filename** file that does not support a silent
installation. For example, you cannot use a **Filename** nipp.exe
Filename file to install iPrint client. **Para**

[Field](#) [Details](#) / [Para](#)
/ [Para](#)

[i](#)
[Print](#)
Client Installer File
Path / [GUI Menu](#)
/ [Para](#)

[Para](#) Allows to specify the path to the iPrint Client Installer (which installs the iPrint client on the managed device). / [Para](#)

- [ItemizedList](#) [+ ListItem](#)
- [ListItem](#) [FormalPara](#) [Title](#) **Select from this Device:** / [Title](#) [Para](#) Select this option to add the iPrint client installer as content with the policy. You can also distribute the iPrint client installer along with the policy. / [Para](#) / [FormalPara](#) / [ListItem](#) / [ItemizedList](#)

[Para](#) If the installer file path is a UNC path, the Novell iPrint Client dialog box is displayed until the installation process completes. This process can be performed only by users with administrative rights. / [Para](#)

[Para](#)
[Install](#)
Forcefully Even if the Driver is Already Installed
/ [GUI Menu](#)
/ [Para](#)

[Para](#) Select this option to force installation of the driver, even though it is already installed on the target device. / [Para](#)

[Para](#)
[Config](#)
Configure iPrint Client
/ [GUI Menu](#)
/ [Para](#)

[Para](#) Select this option to configure the iPrint proxy server. / [Para](#)

[Para](#) If the workstations are located outside the physical firewall, you can use this option to specify the proxy address followed by a (:) and the port number. / [Para](#)

[Para](#)
[Proxy](#)
Proxy Server
/ [GUI Menu](#)
/ [Para](#)

[Para](#) Specify the iPrint proxy server name. For example,
[Filename](#) http://
proxy.companyx.com:8080 / [Filename](#) / [Para](#)

-
- 12 [Step](#) [Para](#) Click [Next](#) / [GUI Menu](#) to display the Printing Preferences page, then use the options to specify the preferences. Refer to the following table for more information: / [Para](#)

InformalTable **TGroup** / **InformalTable** / **Step**

Para **Field** **Para** **Details** / **Para**
/ **Para**

Para **Para** Select this option to specify the paper layout for the printer, such as
GUIMenu **Orie** landscape or portrait. / **Para**

ntation

/ **GUIMenu**
/ **Para**

Para **Para** Specify whether or not to print on both sides of the paper, if the
GUIMenu **Dupl** printer has that capability. / **Para**

ex

Printing

/ **GUIMenu**
/ **Para**

Para **Para** Specify whether or not the printer should organize multiple copies
GUIMenu **Coll** of a document, if the printer has that capability. / **Para**

ate / **GUIMenu**

/ **Para**

Para **Para** Select the print quality. Select **GUIMenu** **High** / **GUIMenu**
GUIMenu **Prin** quality, for the best possible resolution, or select

GUIMenu **Low** / **GUIMenu** quality for lower resolution and lower
Quality quality. / **Para**

/ **GUIMenu**
/ **Para**

Para **Para** Specify the paper source for the printer. A source that is not listed in
GUIMenu **Pap** the standard available list can also be specified, but it must be supported by the
er printer. Information on supported paper sources is available in the printer
Source documentation or in the registry key

/ **GUIMenu**
/ **Para**

Filename HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows
NT\CurrentVersion\Print\Printers\printer-
name\DsDriver\printBinNames / **Filename** on a Windows
machine. / **Para**

<input type="checkbox"/> Para	Field	<input type="checkbox"/> Para	Details	/ Para
<input type="checkbox"/> / Para				

<input type="checkbox"/> Para	<input type="checkbox"/> Para	Specify the paper size for the printer. You can specify any paper size supported by the printer, in addition to the options listed in the menu.
<input type="checkbox"/> GUIMenu	Pap	Information on supported sizes is available in the printer documentation or in the registry key
er	Size	/ GUIMenu
<input type="checkbox"/> / Para		
<input type="checkbox"/> Filename	HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\Print\Printers\printer-name\DsDriver\printMediaSupported	
		/ Filename
		on a Windows machine, where a printer is locally installed.
		/ Para

- 13 ☐ Step ☐ Para Click ☐ GUIMenu Next ☐ / GUIMenu to display the Additional Printer Policy settings, then use the options to specify the settings. Refer to the following table for more information: ☐ / Para

<input type="checkbox"/> InformalTable	<input type="checkbox"/> TGroup	/ InformalTable	/ Step
--	---------------------------------	-----------------	--------

<input type="checkbox"/> Para	Field	<input type="checkbox"/> Para	Details	/ Para
<input type="checkbox"/> / Para				

<input type="checkbox"/> Para	<input type="checkbox"/> Para	Select this option to specify a printer as the default printer to which the print requests are sent if no other printer is specified by the user.
<input type="checkbox"/> GUIMenu	Se	/ Para
t as Default	<input type="checkbox"/> Para	On a Windows 7 managed device, the assigned printer might be set as a default printer on the device even if the <input type="checkbox"/> GUIMenu Set as Default Printer <input type="checkbox"/> / GUIMenu option is not selected in the policy.
Printer		/ Para
<input type="checkbox"/> / GUIMenu		
<input type="checkbox"/> / Para		

<input type="checkbox"/> Para	<input type="checkbox"/> Para	Select this option to remove all printers that are not specified through the ZENworks Printer policy.
<input type="checkbox"/> GUIMenu	Re	/ Para
move all Printers		
not Specified by		
ZENworks Printer		
Policies		
<input type="checkbox"/> / GUIMenu		
<input type="checkbox"/> / Para		

- 14 ☐ Step ☐ Para Click ☐ GUIMenu Next ☐ / GUIMenu to display the Summary page. Review the information and, if necessary, use the Back button to make changes to the information on the Summary page. ☐ / Para

Para This wizard allows you to configure only one printer. If you want to configure additional printers, then configure them in the Details page after creating the policy. **Para** **Step**

15 **Step** **Para** (Conditional) Select **GUIMenu** **Create as Sandbox** **GUIMenu**, if you want to create the sandbox version of the policy. **Para** **Step**

16 **Step** **Para** Click **GUIMenu** **Finish** **GUIMenu** to create the policy now, or select **GUIMenu** **Define Additional Properties** **GUIMenu** to specify additional information, such as policy assignment, **XRefIntText** **system requirements** **XRefIntText**, enforcement, status, and which group the policy is a member of. **Para**

Para Only the preferences that are supported by the printer are configured on that printer. **Para**

Note **NOTE:** **Para** Upon unenforcement of a user-assigned printer, a user with administrative privileges continues to have access to the local printer on a Windows XP managed device. **Para** **Note** **Step** **Procedure** **Sect1**

3.6 **Sect1** **Title** Remote Management Policy **Title**

Para The Remote Management policy lets you configure the behavior or execution of a Remote Management session on the managed device. The policy includes properties such as Remote Management operations and security. **Para**

Para By default, a secure Remote Management policy is created on the managed device when the ZENworks Agent is deployed with the Remote Management component on the device. You can use the default policy to remotely manage a device. To override the default policy, you can explicitly create a Remote Management policy for the device. **Para**

Para For information on creating the Remote Management policy, see

Quote “ **XRefExt** **Creating the Remote Management Policy** **XRefExt** ” **Quote** in the **CiteTitle** **XRefExt** **ZENworks Remote Management Reference** **XRefExt** **CiteTitle**. **Para** **Sect1**

3.7 [- Sect1] [- Title] Roaming Profile Policy [/ Title]

[- Para] The Roaming Profile policy allows you to create a user profile that is stored in a network path. An administrator can either use the roaming profile stored in the user's home directory or the profile stored in the network directory location. [/ Para]

[- Para] On a Windows 8 machine, the Roaming Profile policy works when a user logs in through the Novell Client. [/ Para]

[- Important] **IMPORTANT:** [- Para] Because of the security settings in Microsoft Vista, administrators must manually add the appropriate security rights to the user registry hive to enable roaming profiles. For more information, see [- XRefInt] [Section 5.9, "Assigning a Roaming Profile Policy for a User Profile Stored on a Windows, Linux, or NetWare Share,"](#) on page 69 [/ XRefInt]. [/ Para] [- Important]

- 1 [- Procedure] [- Step] [- Para] In ZENworks Control Center, click the [- GUIMenu] Policies [/ GUIMenu] tab. [/ Para] [- Step]
- 2 [- Step] [- Para] In the [- GUIMenu] Policies [/ GUIMenu] list, click [- GUIMenu] New [/ GUIMenu], then click [- GUIMenu] Policy [/ GUIMenu]. [/ Para]
[- Para] or [/ Para]
[- Para] In the [- GUIMenu] Policy Tasks [/ GUIMenu], click [- GUIMenu] New Policy [/ GUIMenu]. [/ Para]
[- Para] The [- GUIMenu] Select Platform [/ GUIMenu] page is displayed. [/ Para] [- Step]
- 3 [+ Step]
- 4 [- Step] [- Para] Select [- GUIMenu] Windows Configuration Policies [/ GUIMenu], then click [- GUIMenu] Next [/ GUIMenu]. [/ Para] [- Step]
- 5 [- Step] [- Para] Select [- GUIMenu] Roaming Profile Policy [/ GUIMenu] as the [- GUIMenu] Policy Type [/ GUIMenu], then click [- GUIMenu] Next [/ GUIMenu]. [/ Para]

[- Note] **NOTE:** [- Para] If you log into Windows Vista or Windows 7 by using a domain account, Roaming Profile policy is not supported. [/ Para] [- Note] [- Step]

- 6 [- Step] [- Para] In the [- GUIMenu] Define Details [/ GUIMenu] page fill in the following fields: [/ Para]

Policy Name: Provide a name for the policy. The policy name must be different than the name of any other item (group, folder, and so forth) that resides in the same folder. The name you provide displays in ZENworks Control Center.

Folder: Type the name or browse to and select the ZENworks Control Center folder where you want the policy to reside. The default is `/policies`, but you can create additional folders to organize your policies.

Administrator Notes: Provide a short description of the policy's content. This description displays in ZENworks Control Center.

- Click **Next** to display the Roaming Profile Policy page, then use the options to specify the settings. Refer to the following table for more information:

Field	Details
<p>Select this option to load and save a user's profile from the user's home directory as specified in eDirectory.</p> <p>This option is applicable only if the user object is in eDirectory. However, it is currently not supported in Domain Services for Windows environment.</p> <p>Select a UNC path to a user's roaming profile. If you want to administer the policy on more than one user object, use <code>%USERNAME%</code> as the environment variable. In this case, the environment variable is resolved with the logged-on username and the user profile is loaded from the specified path.</p>	

[Field](#) [Details](#) / [Para](#)
[/ Para](#)

[Para](#) [Para](#) If a user is accessing a terminal server that has its own profile, enable [GUIMenu](#) ☐ this option to override the terminal server's profile. [/ Para](#)

verride Terminal

Server

Profile

[/ GUIMenu](#)

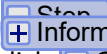
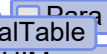

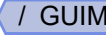
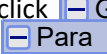
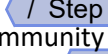
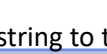
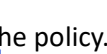





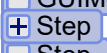
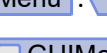
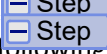
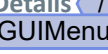
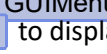
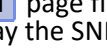
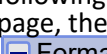
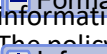
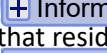
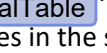
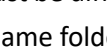
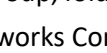
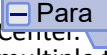
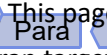
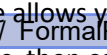
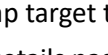
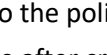

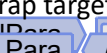
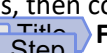

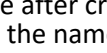
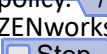

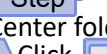
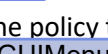
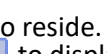
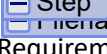
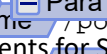

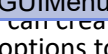
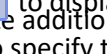
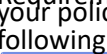
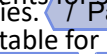

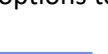
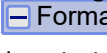
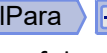
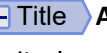
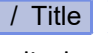
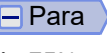
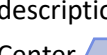
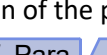
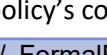
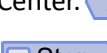
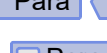
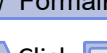


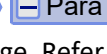
[/ Para](#)

- 8 [Step](#) [Para](#) Click [GUIMenu](#) **Next** [/ GUIMenu](#) to display the Summary page. Review the information and, if necessary, use the Back button to make changes to the information on the Summary page. [/ Para](#) [/ Step](#)
- 9 [Step](#) [Para](#) (Conditional) Select [GUIMenu](#) **Create as Sandbox** [/ GUIMenu](#) , if you want to create the sandbox version of the policy. [/ Para](#) [/ Step](#)
- 10 [Step](#) [Para](#) Click [GUIMenu](#) **Finish** [/ GUIMenu](#) to create the policy now, or select [GUIMenu](#) **Define Additional Properties** [/ GUIMenu](#) to specify additional information, such as policy assignment, [XRefIntText](#) **system requirements** [/ XRefIntText](#) , enforcement, status, and which group the policy is a member of. [/ Para](#) [/ Step](#) [/ Procedure](#) [/ Sect1](#)

3.8 [Sect1](#) [Title](#) **SNMP Policy** [/ Title](#)

[Para](#) The SNMP policy allows you to configure SNMP parameters on the managed devices. [/ Para](#)

- 1 [Procedure](#) [Step](#) [Para](#) In ZENworks Control Center, click the [GUIMenu](#) **Policies** [/ GUIMenu](#) tab. [/ Para](#) [/ Step](#)
- 2 [Step](#) [Para](#) In the [GUIMenu](#) **Policies** [/ GUIMenu](#) list, click [GUIMenu](#) **New** [/ GUIMenu](#) , then click [GUIMenu](#) **Policy** [/ GUIMenu](#) . [/ Para](#)
[Para](#) or [/ Para](#)
[Para](#) In the [GUIMenu](#) **Policy Tasks** [/ GUIMenu](#) , click [GUIMenu](#) **New Policy** [/ GUIMenu](#) . [/ Para](#)
[Para](#) The [GUIMenu](#) **Select Platform** [/ GUIMenu](#) page is displayed. [/ Para](#) [/ Step](#)
- 3 [+ Step](#)

- 4   Select  **Windows Configuration Policies**  , then click  **Next**  .  
- 5   This page allows you to add only one community string to the policy. If you want to add multiple community strings, then configure them in the Details page after creating the policy.   Select  **SNMP Policy**  as the  **Policy Type**  , then click  **Next**  .  
- 8  
- 6   In the  **Define Details**  page fill in the
- 9   Click  **Next**  to display the SNMP Trap Targets following fields. 
-    **Policy Name:**   Provide a name for the policy. The policy name must be different than the name of any other item (group, folder, and so forth) that resides in the same folder. The name you provide displays in ZENworks Control Center.    **Folder:**   Type the name or browse to the ZENworks Control Center folder where you want the policy to reside. The default is    **Folder:**  
- 10   Click  **Next**  to display the Default System Requirements for SNMP Policy page, then use the options to specify the settings. Refer to the following table for more information:    **Administrator Notes:**   Provide a short description of the policy's content. This description displays in ZENworks Control Center.   
- 7   Click  **Next**  to display the SNMP Community Strings page. Refer to the following table for more information:  

[InformalTable](#) [TGroup](#) / [InformalTable](#) / [Step](#)

[Para](#) [Field](#) / [Para](#) [Para](#) [Details](#) / [Para](#)

[Para](#) [GUIMenu](#) [Appl](#) [Para](#) Select this option apply the SNMP policy only if the
y [Policy Only if SNMP Service](#) SNMP service exists on the target device. If the target device does
[Exists On the Target](#) not contain the SNMP service, the SNMP policy cannot be fully
[Device](#) / [GUIMenu](#) applied or effective on the target device. / [Para](#)
/ [Para](#)

- 11 [Step](#) [Para](#) Click [GUIMenu](#) [Next](#) / [GUIMenu](#) to display the Summary page.
Review the information and, if necessary, use the Back button to make changes to the
information on the Summary page. / [Para](#) / [Step](#)
- 12 [Step](#) [Para](#) (Conditional) Select [GUIMenu](#) [Create as Sandbox](#) / [GUIMenu](#) , if
you want to create the sandbox version of the policy. / [Para](#) / [Step](#)
- 13 [Step](#) [Para](#) Click [GUIMenu](#) [Finish](#) / [GUIMenu](#) to create the policy now, or
select [GUIMenu](#) [Define Additional Properties](#) / [GUIMenu](#) to specify additional
information, such as policy assignment, [XRefIntText](#) [system](#)
[requirements](#) / [XRefIntText](#) , enforcement, status, and which group the policy is a member
of. / [Para](#) / [Step](#) / [Procedure](#) / [Sect1](#)

3.9 [Sect1](#) [Title](#) Windows Group Policy / [Title](#)

[Note](#) **NOTE:** [Para](#) ZENworks no longer supports Windows Server as a Primary Server from
version 24.2 onwards. For more information, see [Ulink](#) [End of Support Windows Primary](#)
[Server](#) / [Ulink](#) / [Para](#) / [Note](#)

[Para](#) The Windows Group Policy allows you to configure a Group Policy for Windows devices.
Before configuring a Windows Group Policy you need to configure ZCC helper. For more information,
see [XRefExt](#) [Installing ZCC Helper](#) / [XRefExt](#) in the [XRefExt](#) [ZENworks Control Center](#)
[Reference](#) / [XRefExt](#) . / [Para](#)

- 1 [Procedure](#) [Step](#) [Para](#) In ZENworks Control Center, click the
[GUIMenu](#) [Policies](#) / [GUIMenu](#) tab. / [Para](#) / [Step](#)
- 2 [Step](#) [Para](#) In the [GUIMenu](#) [Policies](#) / [GUIMenu](#) list, click
[GUIMenu](#) [New](#) / [GUIMenu](#) , then click [GUIMenu](#) [Policy](#) / [GUIMenu](#) . / [Para](#)
[Para](#) or / [Para](#)
[Para](#) In the [GUIMenu](#) [Policy Tasks](#) / [GUIMenu](#) , click [GUIMenu](#) [New](#)
[Policy](#) / [GUIMenu](#) . / [Para](#)

The **Select Platform** page is displayed.

3 **+ Step**

4 **Step** Select **Windows Configuration Policies**, then click **Next**.

5 **Step** Select **Windows Group Policy** as the **Policy Type**, then click **Next**.

6 **Step** In the **Define Details** page fill in the following fields:

FormalPara **Title** **Policy Name:** **Title** **Para** Provide a name for the policy. The policy name must be different than the name of any other item (group, folder, and so forth) that resides in the same folder. The name you provide displays in ZENworks Control Center.

FormalPara **Title** **Folder:** **Title** **Para** Type the name or browse to and select the ZENworks Control Center folder where you want the policy to reside. The default is **Filename** /policies **Filename**, but you can create additional folders to organize your policies.

FormalPara **Title** **Administrator Notes:** **Title** **Para** Provide a short description of the policy's content. This description displays in ZENworks Control Center.

7 **Step** Click **Next** to display the Windows Group Policy Settings page, then use the options to specify the settings. Refer to the following table for more information:

Para

GUIMenu

Select

With the Windows Group Policy, you can manage either a Local group or an Active Directory group policy.

/ Para

the Type of Group Policy to Manage

/ GUIMenu

/ Para

Para

Install ZCC Helper before configuring a Windows Group policy. You can click Configure, and allow the browser to launch ZCC Helper.

/ Para

- ItemizedList

ListItem

FormalPara

Title

Local Group Policy:

/ Title

Para

Select this option to configure a Local Group policy.

/ Para

/ FormalPara

Para

To launch the group policy helper, click

GUIMenu

Configure

/ GUIMenu

. Configure or edit the settings in the Local Group policy, then upload the configured policy to the ZENworks Server.

/ Para

/ ListItem

- ListItem

FormalPara

Title

Active Directory Group Policy:

/ Title

Para

Select this option to use an Active Directory Group policy.

/ Para

/ FormalPara

Para

To launch the group policy helper, click

GUIMenu

Configure

/ GUIMenu

. Import an Active Directory Group policy created from Windows Server 2003 or Windows Server 2008 Active Directory, then upload to the ZENworks Server. (You cannot edit an Active Directory policy through ZENworks Control Center.)

/ Para

/ ListItem

/ ItemizedList

[Field](#) / [Details](#) / [Para](#)

[Para](#) After you have adjusted the policy settings as you prefer, you can select how to apply the settings to the managed device. / [Para](#)

[GUIMenu](#) Select the Configuration Settings to Be Applied On the Managed Device / [GUIMenu](#) / [Para](#)

[FormalPara](#) [Title](#) **Computer Configuration** / [Title](#)

[Para](#) / [FormalPara](#)

- [ItemizedList](#)

[Important](#) **IMPORTANT:** [Para](#) During creation of a Group policy, if the value(s) of Security settings on the machine where ZENworks Control Center is launched is modified, then while restoring back the machine settings, the security setting(s) having default state as NOT DEFINED (prior to creation of policy) does not get restored. / [Para](#) / [Important](#)

[FormalPara](#) [Title](#) **User Configuration:** / [Title](#)

[Para](#) Select this option to apply the user configuration settings to the managed device. / [Para](#) / [FormalPara](#)

[Para](#) If you select this option, for the user settings to get applied on managed devices, you need to ensure that the User Management feature is enabled on the ZENworks Agent. For information see [XRefExt](#) [Agent Features](#) / [XRefExt](#) in the [CiteTitle](#) . / [Para](#)








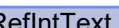

[Note](#) **NOTE:** [Para](#) / [Para](#)

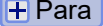
- [ItemizedList](#) [ListItem](#) [Para](#) The Computer Configuration settings from a user associated group policy are not applied when the user logs into a Windows 2000 or Windows 2003 Terminal Server. / [Para](#) / [ListItem](#)



- [ListItem](#) / [ItemizedList](#) / [Note](#)

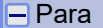



8 [Step](#) [Para](#) Click [GUIMenu](#) **Next** / [GUIMenu](#) to display the Summary page. Review the information and, if necessary, use the Back button to make changes to the information on the Summary page. / [Para](#) / [Step](#)


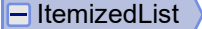




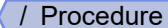

9 [Step](#) [Para](#) (Conditional) Select [GUIMenu](#) **Create as Sandbox** / [GUIMenu](#) , if you want to create the sandbox version of the policy. / [Para](#) / [Step](#)

- 10   Click  **Finish** /  to create the policy now, or select  **Define Additional Properties** /  to specify additional information, such as policy assignment,  **system requirements** /  , enforcement, status, and which group the policy is a member of. / 

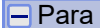
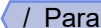


 The Group policy login scripts do not support the environment variables for users on Windows Vista, Windows Server 2003, Windows Server 2008, Windows 7, and Windows Server 2008 R2. / 

 The scripts configured through Active Directory group policy are not enforced on the device even though the policy displays success in the ZENworks Agent Policies page. For more information see,  **Section A.14, “Windows Group Policy Troubleshooting,” on page 124** /  . / 

 **IMPORTANT:** ♦   /  /  /  /  / 

3.10 **ZENworks Explorer Configuration Policy** /

 The ZENworks Explorer Configuration Policy allows you to administer and centrally manage the behavior and features of ZENworks Explorer. / 

- 1    In ZENworks Control Center, click the  **Policies** /  tab. /  / 
- 2   In the  **Policies** /  list, click  **New** /  , then click  **Policy** /  . / 
 or / 
 In the  **Policy Tasks** /  , click  **New Policy** /  . / 
- 3   Select  **Windows** /  , then click  **Next** /  . / 
 The  **Select Policy Category** /  page is displayed. /  / 

- 4 Select Windows Configuration Policies , then click Next .
- 5 Select ZENworks Explorer Configuration Policy as the Policy Type , then click Next .
- 6 In the Define Details page fill in the following fields:

Policy Name: Provide a name for the policy. The policy name must be different than the name of any other item (group, folder, and so forth) that resides in the same folder. The name you provide displays in ZENworks Control Center.

Folder: Type the name or browse to and select the ZENworks Control Center folder where you want the policy to reside. The default is /policies , but you can create additional folders to organize your policies.

Administrator Notes: Provide a short description of the policy's content. This description displays in ZENworks Control Center.
- 7 Click Next to display the ZENworks Explorer Configuration Settings page, then use the options to specify the settings. Refer to the following table for more information:

<input type="button" value="Para"/> Field	<input type="button" value="Para"/> Details <input type="button" value="/ Para"/>
<input type="button" value="/ Para"/>	

<input type="button" value="Para"/> <input type="button" value="GUIMenu"/> Allow the end user to pin bundles <input type="button" value="/ GUIMenu"/> <input type="button" value="/ Para"/>	<input type="button" value="Para"/> Use this option to enable users to pin bundles to the Start menu and Taskbar. <input type="button" value="/ Para"/>
<input type="button" value="Para"/> The values are <input type="button" value="GUIMenu"/> Yes <input type="button" value="/ GUIMenu"/> , <input type="button" value="GUIMenu"/> No <input type="button" value="/ GUIMenu"/> , and <input type="button" value="GUIMenu"/> Unconfigured <input type="button" value="/ GUIMenu"/> . If you select the value as <input type="button" value="GUIMenu"/> Unconfigured <input type="button" value="/ GUIMenu"/> , the default value <input type="button" value="GUIMenu"/> No <input type="button" value="/ GUIMenu"/> is set on the managed device. <input type="button" value="/ Para"/>	

<input type="checkbox"/> Para	Field	<input type="checkbox"/> Para	Details	/ Para
	/ Para			
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Enables user to pin bundles to Start and Taskbar.	/ Para
<input type="checkbox"/> GUIMenu	Allow	<input type="checkbox"/> Para	If you select the value as	
the end user to pin		<input type="checkbox"/> GUIMenu	Unconfigured	/ GUIMenu
bundles	/ GUIMenu		, the default value No is set	
/ Para			on the managed device.	/ Para
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Specifies whether	<input type="checkbox"/> GUIMenu
<input type="checkbox"/> GUIMenu	Show		All folder	/ GUIMenu
the All Folder in			should be displayed when you start the ZENworks Explorer and ZENworks	
ZENworks Explorer and		<input type="checkbox"/> GUIMenu	Unconfigured	/ GUIMenu
ZENworks			, the default value Yes is set	
Application			on the managed device.	/ Para
/ GUIMenu				
/ Para				
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Use this option to allow the user to set one or more applications	
<input type="checkbox"/> GUIMenu	Enables		as favorites.	/ Para
users to manage		<input type="checkbox"/> Para	If you select the value as	
favorites		<input type="checkbox"/> GUIMenu	Unconfigured	/ GUIMenu
/ GUIMenu			, the default value Yes is set	
/ Para			on the managed device. Hence, this setting should be applied to restrict the	
			user from managing favorites	/ Para
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Use this option to display a folder list in the application	
<input type="checkbox"/> GUIMenu	Enable		window.	/ Para
Folder		<input type="checkbox"/> Para	The values are	<input type="checkbox"/> GUIMenu
View	/ GUIMenu		Yes	/ GUIMenu
/ Para		<input type="checkbox"/> GUIMenu	No	/ GUIMenu
			, and	<input type="checkbox"/> GUIMenu
			Unconfigured	/ GUIMenu
			. If you select the value as	
		<input type="checkbox"/> GUIMenu	Unconfigured	/ GUIMenu
			, the default value	
		<input type="checkbox"/> GUIMenu	Yes	/ GUIMenu
			is set on the managed	
			device.	/ Para

☐ Para **Field** ☐ Para **Details** / ☐ Para
/ ☐ Para

☐ Para ☐ Para Use this option to expand the entire folder tree when the application window is opened. / ☐ Para

the Entire Folder

Tree / ☐ GUIMenu

/ ☐ Para

☐ Para The values are ☐ GUIMenu **Yes** / ☐ GUIMenu ,

☐ GUIMenu **No** / ☐ GUIMenu , and ☐ GUIMenu

Unconfigured / ☐ GUIMenu . If you select the value as

☐ GUIMenu **Unconfigured** / ☐ GUIMenu , the default value

☐ GUIMenu **No** / ☐ GUIMenu is set on the managed

device. / ☐ Para

☐ Para

☐ GUIMenu **Display**

as the default

folder / ☐ GUIMenu

/ ☐ Para

☐ Para Use this option to set the selected folder as the default folder when the application window is opened. / ☐ Para

☐ Para The values are ☐ GUIMenu **All** / ☐ GUIMenu ,

☐ GUIMenu **Favorites** / ☐ GUIMenu , or the ☐ GUIMenu **Last**

/ ☐ GUIMenu viewed folder as the default folder. If you select the value as

☐ GUIMenu **Unconfigured** / ☐ GUIMenu , the last viewed folder is set

as the default folder / ☐ Para

☐ Para

☐ GUIMenu **Display**

Applications in

Windows

Explorer / ☐ GUIMenu

/ ☐ Para

☐ Para Use this option to display the application list in Windows Explorer. / ☐ Para

☐ Para The values are ☐ GUIMenu **Yes** / ☐ GUIMenu ,

☐ GUIMenu **No** / ☐ GUIMenu , and ☐ GUIMenu

Unconfigured / ☐ GUIMenu . If you select the value as

☐ GUIMenu **Unconfigured** / ☐ GUIMenu , the default value

☐ GUIMenu **Yes** / ☐ GUIMenu is set on the managed

device. / ☐ Para

☐ Para

☐ GUIMenu **Name**

of Root


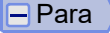





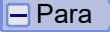





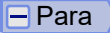

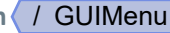

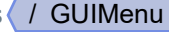
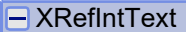

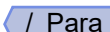

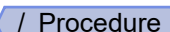

Folder / ☐ GUIMenu

/ ☐ Para



☐ Para Use this option to change the name of the root folder. / ☐ Para



<input type="checkbox"/> Para	Field	<input type="checkbox"/> Para	Details	/ Para
	/ Para			
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Use this option to hide the ZENworks icon in the taskbar.	
<input type="checkbox"/> GUIMenu	Hide		/ Para	
the ZENworks Tray		<input type="checkbox"/> Para	The values are <input type="checkbox"/> GUIMenu Yes / GUIMenu ,	
Icon / GUIMenu		<input type="checkbox"/> GUIMenu No / GUIMenu ,	and <input type="checkbox"/> GUIMenu	
/ Para		Unconfigured / GUIMenu .	If you select the value as	
		<input type="checkbox"/> GUIMenu Unconfigured / GUIMenu ,	the default value	
		<input type="checkbox"/> GUIMenu No / GUIMenu	is set on the managed	
		device. / Para		
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Use this option to specify whether the default notification	
<input type="checkbox"/> GUIMenu	Show		should be displayed. The notification is displayed when the content	
Default			associated with a policy or a bundle is downloaded on the device. For	
Notifications			example, during the enforcement of the Printer policy on a device, the	
/ GUIMenu			following message is displayed in the notification area of the	
/ Para			device: / Para	
		<input type="checkbox"/> Para	<input type="checkbox"/> Literal	Downloading Files for Printer Policy
		/ Literal	/ Para	
		<input type="checkbox"/> Para	The values are <input type="checkbox"/> GUIMenu Yes / GUIMenu ,	
		<input type="checkbox"/> GUIMenu No / GUIMenu ,	and <input type="checkbox"/> GUIMenu	
		Unconfigured / GUIMenu .	If you select the value as	
		<input type="checkbox"/> GUIMenu Unconfigured / GUIMenu ,	the default value	
		<input type="checkbox"/> GUIMenu Yes / GUIMenu	is set on the managed	
		device. / Para		
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Specifies whether the technician application should be	
<input type="checkbox"/> GUIMenu	Show		displayed. / Para	
Technician Application		<input type="checkbox"/> Para	If you select the value as	
Help / GUIMenu		<input type="checkbox"/> GUIMenu Unconfigured / GUIMenu ,	the default value	
/ Para		<input type="checkbox"/> GUIMenu Yes / GUIMenu	is set on the managed	
		device. / Para		

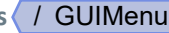

<input type="checkbox"/> Para	Field	<input type="checkbox"/> Para	Details	/ Para
<input type="checkbox"/> Para	/ Para			
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Use this option to specify whether manual refresh of applications is enabled after starting ZENworks Explorer.	
<input type="checkbox"/> GUIMenu	Enable		/ Para	
Manual		<input type="checkbox"/> Para	The values are <input type="checkbox"/> GUIMenu Yes / GUIMenu ,	
Refresh	/ GUIMenu	<input type="checkbox"/> GUIMenu No / GUIMenu , and <input type="checkbox"/> GUIMenu	Unconfigured / GUIMenu . If you select the value as	
/ Para		<input type="checkbox"/> GUIMenu Unconfigured / GUIMenu , the default value	<input type="checkbox"/> GUIMenu Yes / GUIMenu is set on the managed	
		device.	/ Para	
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Use this option to enable the user to log out and log in as a new	
<input type="checkbox"/> GUIMenu	Allow		user.	
Logout / Login as a New		<input type="checkbox"/> Para	The values are <input type="checkbox"/> GUIMenu Yes / GUIMenu ,	
User	/ GUIMenu	<input type="checkbox"/> GUIMenu No / GUIMenu , and <input type="checkbox"/> GUIMenu	Unconfigured / GUIMenu . If you select the value as	
/ Para		<input type="checkbox"/> GUIMenu Unconfigured / GUIMenu , the default value	<input type="checkbox"/> GUIMenu Yes / GUIMenu is set on the managed	
		device.	/ Para	
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Use this option to specify whether the progress of the bundle	
<input type="checkbox"/> GUIMenu	View		operations should be displayed.	
Progress	/ GUIMenu	<input type="checkbox"/> Para	The values are <input type="checkbox"/> GUIMenu Yes / GUIMenu ,	
/ Para		<input type="checkbox"/> GUIMenu No / GUIMenu , and <input type="checkbox"/> GUIMenu	Unconfigured / GUIMenu . If you select the value as	
		<input type="checkbox"/> GUIMenu Unconfigured / GUIMenu , the default value	<input type="checkbox"/> GUIMenu Yes / GUIMenu is set on the managed	
		device.	/ Para	
<input type="checkbox"/> Para		<input type="checkbox"/> Para	Displays location change notification pop ups on managed	
<input type="checkbox"/> GUIMenu	Show		devices when the location of these devices changes.	
location change		<input type="checkbox"/> Para	If you select the value as	
notifications		<input type="checkbox"/> GUIMenu Unconfigured, / GUIMenu the default value	<input type="checkbox"/> GUIMenu Yes / GUIMenu is set on the managed device.	
/ GUIMenu		Therefore, this setting should be applied to disable displaying of location	change pop ups on devices.	
/ Para		/ Para		


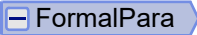
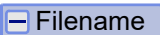
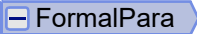

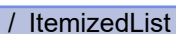

- 8   Click  **Next**  to display the Summary page. Review the information and, if necessary, use the Back button to make changes to the information on the Summary page.  
- 9   (Conditional) Select  **Create as Sandbox** , if you want to create the sandbox version of the policy.  
- 10   Click  **Finish**  to create the policy now, or select  **Define Additional Properties**  to specify additional information, such as policy assignment,  **system requirements** , enforcement, status, and which group the policy is a member of.    

3.11 **Creating ZENworks Branding Policy**


 Branding policy enables your organization to customize certain aspects of the ZENworks Application based on your own branding requirements, such as the ZAPP icon, wallpaper, and color. 

 To create a ZENworks End User Branding Policy: 

- 1    In ZENworks Control Center, click the  **Policies**  tab.  
- 2   In the  **Policies**  list, click  **New** , then click  **Policy** . 
 or 
 In the  **Policy Tasks** , click  **New Policy** . 
-  The  **Select Platform**  page is displayed.  
- 3   Select  **All** , then click  **Next** . 
-  The  **Select Policy Category**  page is displayed.  
- 4   Select  **General** , then click  **Next** .  
- 5   Select  **ZENworks End User Branding Policy**  as the  **Policy Type** , then click  **Next** .  

- 6   In the  **Define Details**  page fill in the following fields: 
 -   **Policy Name:**   Provide a name for the policy. The policy name must be different than the name of any other item (group, folder, and so forth) that resides in the same folder. The name you provide displays in ZENworks Control Center.  
 -   **Folder:**   Type the name or browse to and select the ZENworks Control Center folder where you want the policy to reside. The default is  /policies  , but you can create additional folders to organize your policies.  
 -   **Administrator Notes:**   Provide a short description of the policy's content. This description displays in ZENworks Control Center.   
- 7   Click  **Next**  to display the ZENworks End User Branding Policy Settings page, then configure the following options: 
 - ♦    
 - ♦ 
 - ♦ 
 - ♦ 
 - ♦ 
 - ♦   
- 8 
- 9 
- 10   

3.12 **Creating Policies by Using the zman Command Line Utility**

 ZENworks Configuration Management allows you to create different types of policies, such as Browser Bookmarks policy, Dynamic Local User policy, Local File Rights policy, and Printer policy. Each policy has its own set of data and configuration settings. Because it is complex to pass the data as arguments in the command line, the zman utility takes XML files as an input to create policies. You can use exported XML files as a templates to create polices. To use the zman command line utility to create a policy, you must have a policy of the same type already created through

ZENworks Control Center and export it to an XML file. For more information on creating policies by using ZENworks Control Center, see [XRefInt](#) [Chapter 3, “Creating Windows Configuration Policies,” on page 21](#) [/ XRefInt](#) [/ Para](#)

[Para](#) For example, you can export a Browser Bookmarks Policy already created through ZENworks Control Center into an XML file, then use it to create another Browser Bookmarks Policy by using zman. [/ Para](#)

[Para](#) A policy can have file content associated with it. For example, the printer driver to be installed is a file associated with the Printer policy. [/ Para](#)

[Para](#) Review the following sections to create a policy by using the zman command line utility: [/ Para](#)

- [SubToc](#) [ItemizedList](#) [ListItem](#) [Para](#) [XRefInt](#) [Section 3.12.1, “Creating a Policy without Content,” on page 50](#) [/ XRefInt](#) [/ Para](#) [/ ListItem](#)
- [ListItem](#) [Para](#) [XRefInt](#) [Section 3.12.2, “Creating a Policy with Content,” on page 52](#) [/ XRefInt](#) [/ Para](#) [/ ListItem](#)
- [ListItem](#) [Para](#) [XRefInt](#) [Section 3.12.3, “Understanding the zman Policy XML File Format,” on page 53](#) [/ XRefInt](#) [/ Para](#) [/ ListItem](#) [/ ItemizedList](#) [/ SubToc](#)

3.12.1 [Sect2](#) [Title](#) **Creating a Policy without Content** [/ Title](#)

- 1 [Procedure](#) [Step](#) [Para](#) Create a policy in ZENworks Control Center. [/ Para](#)

[Para](#) For example, use ZENworks Control Center to create a Browser Bookmarks Policy called google containing a bookmark to <http://www.google.co.in>. [/ Para](#) [/ Step](#)

- 2 [Step](#) [Para](#) Export the policy to an XML file by using the following command: [/ Para](#)

[Para](#) [Command](#) `zman policy-export-to-file`

[Replaceable](#) `policy_name` [/ Replaceable](#)

[Replaceable](#) `policy_filename.xml` [/ Replaceable](#) [/ Command](#) [/ Para](#)

[Para](#) For example, export the google policy to [Filename](#) `google.xml` [/ Filename](#) by using the following command:

[Command](#) `zman policy-export-to-file google google.xml` [/ Command](#)

[/ Para](#)

[Para](#) If you want to create a new policy with new data, continue with

[XRefInt](#) [Step 3](#) [/ XRefInt](#) . If you want to create a new policy with the same data as the google policy, skip to [XRefInt](#) [Step 4](#) [/ XRefInt](#) . [/ Para](#) [/ Step](#)

- 3 [Step](#) [Para](#) Modify the XML file according to your requirements. [/ Para](#)

Para For example, in `Filename` google.xml `/ Filename`, change the value of `<URL>` `/ Literal` from `<Literal>` http://www.google.co.in `/ Literal` to `<Literal>` http://www.yahoo.com `/ Literal` in the `<Literal>` browserbookmarkspolicy `/ Literal` action of the `<Literal>` Enforcement `/ Literal` action set and `<Literal>` `<PolicyData>` `/ Literal` element in both `<Literal>` `<Actions>` `/ Literal` and `<Literal>` `<PolicyData>` `/ Literal` elements as shown below. `/ Para`

```

<ns2:ActionSets> / Screen
  <Id>879de60b7591b6f6aefae09fcd83db54</Id> / Screen
  <Type>Enforcement</Type> / Screen
  <Version>1</Version> / Screen
  <Modified>>false</Modified> / Screen
  <Actions> / Screen
    <Id>0ab9a1785370bcd38bc862bd2817abac</Id> / Screen
    <Name>browserbookmarkspolicy</Name> / Screen
    <Type>browserbookmarkspolicy</Type> / Screen
    <Data> / Screen
      <PolicyData xmlns="http://novell.com/zenworks/
datamodel/objects/policies"> / Screen
        <BookmarksPolicyHandlerData xmlns=""> / Screen
          <EnforcePolicy> / Screen
            <Bookmarks> / Screen
              <Bookmark Type="url_string"> / Screen
                <Name>Google</Name> / Screen
                <Url>http://www.yahoo.com</Url> / Screen
                <Folder></Folder> / Screen
              </Bookmark> / Screen
            </Bookmarks> / Screen
          </EnforcePolicy> / Screen
    </Actions> / Screen
  </ns2:ActionSets> / Screen

```

[- Screen] </BookmarksPolicyHandlerData> / Screen

[- Screen] </PolicyData> / Screen

[- Screen] </Data> / Screen

[- Screen] <ContinueOnFailure>true</ContinueOnFailure> / Screen

[- Screen] <Enabled>true</Enabled> / Screen

[- Screen] <Properties>StandaloneName=browserbookmarksenf;Impersonation=SYSTEM;</Properties> / Screen

[- Screen] </Actions> / Screen

[- Screen] </ns2:ActionSets> / Screen

[- Screen] <ns2:ActionSets xmlns:ns2="http://novell.com/zenworks/datamodel/objects/actions" xmlns="http://novell.com/zenworks/datamodel/objects/actions"> / Screen

[- Screen] <Id>4efa37c827cf0e8a8ac20b23a3022227</Id> / Screen

[- Screen] <Type>Distribution</Type> / Screen

[- Screen] <Version>1</Version> / Screen

[- Screen] <Modified>false</Modified> / Screen

[- Screen] <Actions> / Screen

[- Screen] <Id>27c4a42544210b3ac3b067ff6aff2d5c</Id> / Screen

[- Screen] <Name>Distribute Action</Name> / Screen

[- Screen] <Type>Distribute Action</Type> / Screen

[- Screen] <ContinueOnFailure>true</ContinueOnFailure> / Screen

[- Screen] <Enabled>true</Enabled> / Screen

[- Screen] <Properties /> / Screen

[- Screen] </Actions>
</ns2:ActionSets> / Screen

[- Screen] <ApplyImmediate>false</ApplyImmediate> / Screen

[- Screen] <PolicyData> / Screen

[- Screen] <BookmarksPolicyHandlerData> / Screen


```

<EnforcePolicy> / Screen
<Bookmarks> / Screen
<Bookmark Type="url_string"> / Screen
<Name>Google</Name> / Screen
<Url>http://www.yahoo.com</Url> / Screen
<Folder>/</Folder> / Screen
</Bookmark> / Screen
</Bookmarks> / Screen
</EnforcePolicy> / Screen
</BookmarksPolicyHandlerData> / Screen
</PolicyData> / Screen / Step

```

- 4 **Step** **Para** Create a new policy by using the following command: **Para**

```

Para Command zman policy-create
Replaceable new_policy_name / Replaceable
Replaceable policy_xml_filename.xml / Replaceable / Command / Para
Para For example, to create a policy named Filename yahoo Filename, use the
following command: Para
Para Command zman policy-create yahoo
google.xml / Command / Para / Step / Procedure / Sect2

```

3.12.2 **Sect2** **Title** Creating a Policy with Content **Title**

- 1 **Procedure** **Step** **Para** Create a policy in ZENworks Control Center. **Para**

Para For example, use ZENworks Control Center to create a Printer policy of type iPrint called iPrint Policy that automatically installs an iPrint driver from the **Filename** driver.zip **Filename** file provided as the policy content, and configures an iPrint printer on the device. **Para** / **Step**
- 2 **Step** **Para** Export the policy to an XML file by using the following command: **Para**

```

Para Command zman policy-export-to-file
Replaceable policy_name / Replaceable
Replaceable policy_filename.xml / Replaceable / Command / Para

```

¶ This creates

¶ Filename ¶ Replaceable *policy_filename* ¶ Replaceable .xml ¶ Filename

and

¶ Filename ¶ Replaceable *policy_filename* ¶ Replaceable _ActionContentInfo.xml ¶ Filename files. ¶ Para

¶ Para For example, export iPrintPolicy to ¶ Filename

iPrintPolicy.xml ¶ Filename by using the following command: ¶ Para

¶ Para ¶ Command zman policy-export-to-file

¶ Replaceable *iPrintPolicy* ¶ Replaceable

¶ Replaceable *iPrintPolicy.xml* ¶ Replaceable ¶ Command ¶ Para

¶ Para The ¶ Filename iPrintPolicy.xml ¶ Filename and

¶ Filename iPrintPolicy_ActionContentInfo.xml ¶ Filename files are created.

For more information about ¶ Filename ActionContentInfo.xml ¶ Filename , see

¶ XRefInt Section 3.12.3, “Understanding the zman Policy XML File Format,” on
page 53 ¶ XRefInt . ¶ Para

¶ Para If you want to create a new policy with new data, continue with

¶ XRefInt Step 3 ¶ XRefInt . If you want to create a new policy with the same data as

iPrintPolicy, skip to ¶ XRefInt Step 4 ¶ XRefInt . ¶ Para ¶ Step

- 3 ¶ Step ¶ Para Modify the ¶ Filename iPrintPolicy.xml ¶ Filename and
¶ Filename iPrintPolicy_actioncontentinfo.xml ¶ Filename files according to
your requirements. ¶ Para

¶ Para For example, to create a new policy to configure and install another iPrint in the
network with a newer version of the driver, do the following: ¶ Para

- ♦ ¶ ItemizedList ¶ ListItem ¶ Para Change all references of
¶ Filename driver.zip ¶ Filename to
¶ Filename newDriver.zip ¶ Filename in the
¶ Literal <ActionSet> ¶ Literal and the ¶ Literal <PolicyData> ¶ Literal
section of ¶ Filename iPrintPolicy.xml ¶ Filename , and in the
¶ Literal <ActionSet> ¶ Literal section of
¶ Filename iPrintPolicy_actioncontentinfo.xml ¶ Filename . ¶ Para
¶ / ListItem
- ♦ ¶ ListItem ¶ Para Replace the name of the printer in the ¶ Filename
iPrintPolicy.xml ¶ Filename file with the new name of the
printer. ¶ Para ¶ / ListItem ¶ ItemizedList

Para A sample

Filename iPrintPolicy_actioncontentinfo.xml **Filename** is shown below.

Para

Screen <ActionInformation> **Screen**

Screen <ActionSet type="Enforcement"> **Screen**

Screen <Action name="printer policy" index="1"> **Screen**

Screen <Content> **Screen**

Screen <ContentFilePath>driver.zip</ContentFilePath> **Screen**

Screen </Content> **Screen**

Screen </Action> **Screen**

Screen </ActionSet> **Screen**

Screen </ActionInformation> **Screen** **Step**

4 **Step** **Para** Create a new policy by using the following command: **Para**

Para **Command** zman policy-create

Replaceable new_policy_name **Replaceable**

Replaceable policy_xml_filename.xml **Replaceable** --actioninfo

Replaceable policy_name **Replaceable** _actioncontentinfo.xml

Command **Para**

Para For example, use the following command to create a policy called

New_iPrintPolicy: **Para**

Para **Command** zman policy-create New_iPrintPolicy

iPrintPolicy.xml --actioninfo

iPrintPolicy_ActionContentInfo.xml **Command** **Para** **Step**

Procedure **Sect2**

3.12.3 **Sect2** **Title** Understanding the zman Policy XML File Format **Title**

Para The **Command** policy-export-to-file **Command** command serializes the policy information, which is stored in the database, into an XML file. Each policy contains actions that are grouped into Action Sets, Enforcement, and Distribution. An exported policy XML file

contains information for the policy, such as UID, Name, Path, PrimaryType, SubType, PolicyData, System Requirements, and information on all Action Sets and their actions. The file does not include information about assignment of the policy to devices or users. / Para

+ Para

+ Note

- Para When you create a policy from the XML file, zman uses the information specified in the

- Literal <Description> / Literal ,

- Literal <SubType> / Literal ,< - Literal Category> / Literal ,

- Literal <ActionSets> / Literal , - Literal <PolicyData> / Literal , and

- Literal <SysReqs> / Literal tags of the file. The values for the Name and Parent folder are taken from the command line. For the remaining elements, the default value is used. / Para

- Para Follow the guidelines listed below to work with the XML file: / Para

- ♦ - ItemizedList - ListItem - Para If you want to create a policy without file content, you need only the policy XML file to create the policy. / Para

- Para For example, a Local File Rights Policy does not have file content associated with it.

/ Para / ListItem

- ♦ + ListItem
- ♦ - ListItem - Para If you want to modify the - Literal <Data> / Literal element of actions in the exported XML file, ensure that the new data is correct and that it conforms to the schema. The zman utility does a minimal validation of the data and does not check for the errors. Hence, the policy might be successfully created, but with invalid data. Such a policy fails when deployed on a managed device. / Para / ListItem
- ♦ - ListItem - Para File content is associated with a particular action in an Action Set. The Action Content Information XML file should contain the path of the file to which the file content is to be associated and the index of the action in the Action Set. / Para

- Para For example, the Printer driver selected to be installed when creating a Printer policy is associated to the printerpolicy action in the Enforcement action set of the created Printer policy. / Para / ListItem

- ♦ - ListItem - Para The Action Set is specified by the type attribute in - Literal <ActionSet> / Literal element. It should be the same as the Action Set type of the policy XML file. / Para / ListItem
- ♦ - ListItem - Para The - Literal <Action> / Literal element has a name attribute, which is optional, for user readability. / Para / ListItem

- ◆ `<Listitem>` `<Para>` The `<Literal>` `index` `</Literal>` attribute is mandatory. It specifies the action to which the content should be associated to. The index value of the first action in the Action Set is 1. `</Para>` `</Listitem>`
- ◆ `<Listitem>` `<Para>` Each action can have multiple `<Literal>` `<Content>` `</Literal>` elements, each containing a `<Literal>` `<ContentFilePath>` `</Literal>` element. The `<Literal>` `<ContentFilePath>` `</Literal>` element contains the path of the file content to be associated with the Action. Ensure that the filename is the same as the filename specified in the policy XML file in `<Literal>` `<Data>` `</Literal>` for that action. `</Para>` `</Listitem>`
- ◆ `<Listitem>` `<Para>` Ensure that the order of the `<Literal>` `<Content>` `</Literal>` elements is in accordance with the order in the policy XML file. For example, a Printer Policy can have multiple drivers configured. The path to the driver files should be specified in the `<Literal>` `<Content>` `</Literal>` elements in the order the files are specified in the data for the action as show below. `</Para>`

```
<Screen> <ActionInformaion> </Screen>
```

```
<Screen> <ActionSet type="Enforcement"> </Screen>
```

```
<Screen> <Action name="printer policy" index="1"> </Screen>
```

```
<Screen> <Content> </Screen>
```

```
<Screen> <ContentFilePath>driver1.zip</ContentFilePath> </Screen>
```

```
<Screen> </Content> </Screen>
```

```
<Screen> <Content> </Screen>
```

```
<Screen> <ContentFilePath>driver2.zip</ContentFilePath> </Screen>
```

```
<Screen> </Content> </Screen>
```

```
<Screen> </Action> </Screen>
```

```
<Screen> </ActionSet> </Screen>
```

```
<Screen> </
```

```
ActionInformation> </Screen> </Listitem> </ItemizedList> </Sect2> </Sect1>
```

```
</Chapter>
```

4 Creating Mobile Device Policies

ZENworks Configuration Management lets you create policies for mobile devices. For more information, see [Securing a Device](#).

5

[Chapter](#) [Title](#) Managing Policies [/ Title](#)

[Para](#) Novell ZENworks Configuration Management lets you use effectively manage software and content in your ZENworks system. In addition to editing and deleting existing objects, you can create new objects and perform various tasks on the objects. [/ Para](#)

[+ Para](#)

♦ [+ SubToc](#)

5.1 [Sect1](#) [Title](#) Creating Policies [/ Title](#)

[Para](#) For step-by-step instructions on creating Linux policies, see [XRefInt](#) [Chapter 2](#), “Creating Linux Configuration Policies,” on page 15 [/ XRefInt](#) and for creating Windows policies, see [XRefInt](#) [Chapter 3](#), “Creating Windows Configuration Policies,” on page 21 [/ XRefInt](#) . [/ Para](#)

[Para](#) For more information on Mobile Device policies, see the [XRefExt](#) [ZENworks Mobile Management Reference](#) [/ XRefExt](#) guide. [/ Para](#) [/ Sect1](#)

5.2 [+ Sect1](#)

5.3 [+ Sect1](#)

5.4 [+ Sect1](#)

5.5 [+ Sect1](#)

5.6

[- Sect1 [- Title **Adding Policies to Groups** / Title

- 1 [- Procedure [- Step + Para / Step
- 2 [- Step [- Para Select the check box next to the policy (or policies) that you want to add to the group. / Para / Step
- 3 [- Step + Para / Step
- 4 + Step
- 5 [- Step [- Para (Conditional) If you are adding selected items to an existing group, the Targets page is displayed. Select the groups to which you want to add the objects (users, devices, bundles, policies). / Para

+ Para
- 5a [- SubSteps + Step
- 5b [- Step [- Para Browse for and select the policies you want to add to the group. To do so: / Para
 - 5b1 [- SubSteps [- Step [- Para Click

[- InlineMediaObject [- ImageObject [- ImageData / ImageObject
/ InlineMediaObject next to a folder to navigate the folders until you find the policy you want to select. / Para

[- Para If you know the name of the policy you are looking for, you can also use the [- GUIMenu Item name / GUIMenu box to search for the policy. / Para / Step
 - 5b2 [- Step [- Para Click the underlined link in the [- GUIMenu Name / GUIMenu column to select the policy and display its name in the [- GUIMenu Selected / GUIMenu list. / Para / Step
 - 5b3 [- Step + Para / Step
 - 5b4 [- Step [- Para Click [- GUIMenu OK / GUIMenu to add the selected policies to the group. / Para / Step / SubSteps / Step
- 5c [- Step [- Para Click [- GUIMenu Next / GUIMenu to skip to [- XRefInt Step 7 / XRefInt. / Para / Step / SubSteps / Step
- 6 + Step
- 7 [- Step [- Para On the Finish page, review the information and, if necessary, use the [- GUIMenu Back / GUIMenu button to make changes to the information. / Para / Step
- 8 [- Step [- Para Click

[- GUIMenu Finish / GUIMenu. / Para / Step / Procedure / Sect1

5.7

Assigning a Policy to Devices


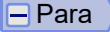

Certain key points that you must be aware of before you assign a policy to a device are as follows:

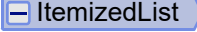

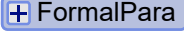

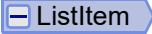
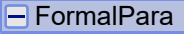


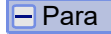
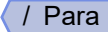
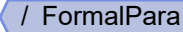


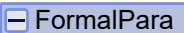







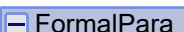








- The Dynamic Local User policy and The Roaming Profile policy are not supported on a 64-bit Windows Server 2003 device.

Perform the following steps to assign a policy to a device:

- 1 In ZENworks Control Center, click the **Policies** tab.
- 2 In the **Policies** list, select the check box next to the objects such as policies or policy groups.
- 3 Click **Action** > **Assign to Device**.
- 4
 - 4a Click  next to a folder (for example, the **Workstations** folder or **Servers** folder or **Mobile Devices** folder) to navigate through the folders until you find the device, group, or folder you want to select.

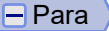
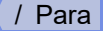
If you are looking for a specific item, such as a Workstation or a Workstation Group, you can use the **Items of type** list to limit the types of items that are displayed. If you know the name of the item you are looking for, you can use the **Item name** box to search for the item.
 - 4b
 - 4c
- 5 Click **Next** to display the Policy Conflict Resolution page.

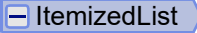
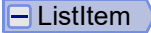
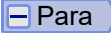
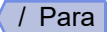





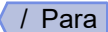




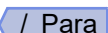







6   Set the priority between device-associated policies and user-associated policies for resolving conflicts that arise when policies of the same type are associated to both devices and users. 

-    
-    **Device Last:**   Select this option to apply policies that are associated to users first and then the devices.   
-    **Device Only:**   Select this option to apply policies that are associated only to devices.   
-    **User Only:**   Select this option to apply policies that are associated only to users.     

7 

8    

 The following points are applicable when you assign a policy to a device: 

-    If you assign a DLU policy to a device on which a user has logged in, the user is prompted to log in to the device again. Unless the user logs in to the device again, no new policies are enforced on the device.  
-   When you assign a ZENworks Explorer Configuration Policy to a device, the settings configured in the policy are not immediately reflected on the device. For example, even if  **Hide the Z icon in the taskbar**  is enabled in the policy, the ZENworks icon is displayed for a few seconds on the device after the policy is assigned to the device.  
- 
-   User settings of a device associated Group policy cannot be enforced in console sessions of a Windows Server 2003, Windows Server 2008, or Windows Server 2008 R2 device.  
-   On a managed device, if you launch a published application that is installed on a Citrix server having iPrint policy configured, it might take considerable time for the policy to be enforced on the server. During this period, the iPrint functionality is not available for the application.    

5.8 [- Sect1] [- Title] Assigning a Policy to Users / Title

[- Para] Certain key points that you must be aware of before you assign a policy to a user are as follows / Para


- ♦ [- ItemizedList] [- ListItem] [- Para] There are two types of users: users in the corporate directory and local users on managed devices. Policies can be associated to users in the corporate directory. ZENworks assumes that a mapping exists between users in the corporate directory and users on a device. When a user logs in to the corporate directory, ZENworks obtains the policies for the corporate user and caches them on the device. / Para / ListItem
- ♦ [- ListItem] [- Para] If a mapping exists between a corporate user and a local user, ZENworks also associates the cached policies with the local user. When a user logs in to the device, the previously cached policies are enforced for the local user. When the user also logs in to the corporate directory, the policies for the corporate user are refreshed, then enforced. / Para / ListItem
- ♦ [- ListItem] [- Para] The set of policies, both directly assigned and inherited, is called as a set of assigned policies for a device or a user. When calculating the set of assigned policies, filters such as multiplicity or system requirements are not applied. Groups and containers also have assigned policies. Policies that are disabled are not included in the set of assigned policies. / Para / ListItem
- ♦ [- ListItem] [- Para] Before assigning a Roaming Profile policy to a user on a Windows Vista device or Windows Server 2008 device, make sure a user profile with correct registry hive permissions is available on the device. See [- XRefInt] [Section 5.9, “Assigning a Roaming Profile Policy for a User Profile Stored on a Windows, Linux, or NetWare Share,”](#) on page 69 / XRefInt . / Para / ListItem / ItemizedList


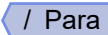
[- Procedure] [- IntroPara] Perform the following steps to assign a policy to a user: / IntroPara

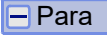


- 1 [- Step]
- 2 [- Step]
- 3 [- Step] [- Para] / Step

4  

4a    Click


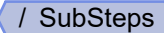
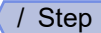
   

 next to a folder to navigate through the folders until you find the user, group, or folder you want to select. 

 If you are looking for a specific item, such as a User or a User Group, you can use the  **Items of type**  list to limit the types of items that are displayed. If you know the name of the item you are looking for, you can use the



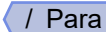
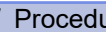

 **Item name**  box to search for the item.  


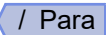
4b 

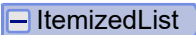




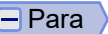
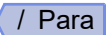


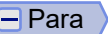
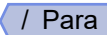


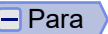

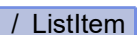
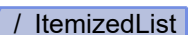

4c   

5 


6   Click







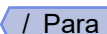
 **Finish**    

 The following points are applicable when you assign a policy to a user: 

-    
-   User assigned policies are not enforced in the console sessions of Windows Server 2003, Windows Server 2008, and Windows Server 2008 R2 device.  
-   If you launch a published application from a Citrix server on to the device, it might take some considerable time for the list of the iPrint printers to be displayed on the device.  
-   If you launch a published application installed on a Citrix server that has the iPrint printer policy configured, it might take considerable time for the policy to be enforced on the server. During this period, the iPrint functionality is not available for the application.    

5.9 Assigning a Roaming Profile Policy for a User Profile Stored on a Windows, Linux, or NetWare Share

 If a default profile already exists at a shared location, start with

   in the following procedure. If you do not yet have a default profile, start with    

1 

5.9.1 **Creating a Default Profile Folder in a Shared Location**

Create a default profile folder in a shared location, depending on where you want to store the user profile. For example:










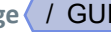









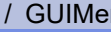
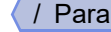







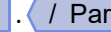




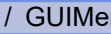
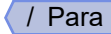

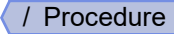

- User Profile Path:**
DNS_name_of_file_server\profiles\DefaultProfile.V2
- User Profile Path for Windows 10:**
DNS_name_of_file_server\profiles\DefaultProfile.V6

5.9.2 **Creating the Default Profile from a Windows Vista, Windows 2008, Windows 7 or Windows 10 Device to the Default Profile Folder in the Shared Location**

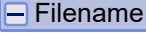





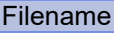
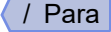








Ensure that the user profile you want to copy as a default profile already exists on the device. If the desired profile is not available, create a new user account and then log in to the device with the new account credentials to create the profile.




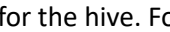
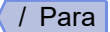












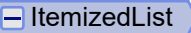



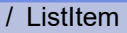
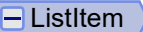







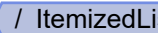
Perform the following steps to copy the default profile to the default profile folder in the shared location:

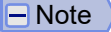
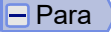



- Log in to the device as an administrator.
- Right-click **Computer**, then click **Properties** > **Advanced system settings**.
- In the User Profiles section, click **Settings**.
- Select a profile on the device to store as a default profile.
- Click **Copy To**.





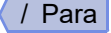









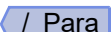












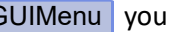




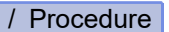

- 6   Browse to and select the default profile folder you created in  [Section 5.9.1, “Creating a Default Profile Folder in a Shared Location,” on page 69](#)   
- 7   Click  **Change**  in the Permitted to Use section.  
- 8   Specify  **Everyone**  in the  **Enter the object name to select**  option to provide permissions, then click  **OK**   
- 9   Click  **OK**  to copy the profile to the shared location, then click  **OK**   
- 10   Click  **OK**     

5.9.3 **Configuring the Permissions for the Default Profile Registry Hive**

- 1    To open the Registry Editor when the shared location is on a Windows device, run  `regedit`    or   To open the Registry Editor when the shared location is on a Linux or NetWare device, map the location from a Windows device, then open the Registry Editor on the Windows device.  
- 2   Select  **HKEY_USERS** , then click  **File > Load Hive**   
- 3   Open the  `NTUSER.DAT`  file from the default profile folder created in  [Section 5.9.1, “Creating a Default Profile Folder in a Shared Location,” on page 69](#)    The  `NTUSER.DAT`  file might be hidden. To unhide the file: 
 1.    Open the default profile folder in Windows Explorer.  
 2.   Click  **Tools**  **>**  **Folder Options >**   **View**   
 3.   Deselect  **Hide protected operating system files**     

- 4   In the Load Hive dialog box, specify the  **Key Name**  for the hive. For example, Vista.  
- 5   Right-click the  **Vista**  hive, then click  **Permissions** .  
- 6   Ensure that the following groups or usernames have Full Control permissions: 
 -    Everyone  
 -   SYSTEM  
 -   Authenticated Users   

 **NOTE:**  For Windows 10 devices, apart from the above mentioned groups and usernames, you also need to provide permissions to the RESTRICTED user group and the ALL APPLICATION PACKAGES group.   

- 7   Click  **Advanced.**   
- 8   Select the  **Replace permission entries on all child objects with entries shown here that apply to child objects**  option, click  **OK** , then click  **Yes** .  
- 9   Click  **OK** .  
- 10   To unload the hive, select the  **Vista**  registry hive that   you created, then click  **File > Unload Hive** .    

5.9.4

5.9.5

5.9.6 [- Sect2] [- Title] Enable Do not check for user Ownership of Roaming Profile Folders / Title

[- Para] In case Novell Client 2 for Windows 7 is installed, enabling Do not check for user ownership of roaming profile folders is not required unless Group Policy is configured to override the Novell Client settings. / Para

1 [+ Procedure] / Sect2 / Sect1

5.10 [- Sect1] [- Title] Assigning a Roaming Profile Policy for a User Profile Stored on a Home Directory / Title

[- Para] If a Roaming Profile policy is assigned to a user, the policy fails if the user profile is stored on Linux or NetWare Home Directory. This is because the registry hive of the user profile does not have permissions to load the profile to other devices. If a default profile already exists at a shared location, you need to configure the permissions for the default profile registry hive. / Para

[- Para] For more information, see TID 7007207 in the [- Ulink] [Novell Support Knowledgebase](http://www.novell.com/support/search.do?usemicrosite=true&searchString=7007207) (<http://www.novell.com/support/search.do?usemicrosite=true&searchString=7007207>) / Ulink / Para

[- BridgeHead] To Configure the Permissions for the Default Profile Registry Hive / BridgeHead

- [- Procedure] [- Step] [- Para] At the shared location, run [- Filename] `regedit` / Filename to open the Registry Editor. / Para
[- Para] If the shared location is on a NetWare or Linux device, map the location from a Windows device then open the Registry Editor on the Windows device. / Para / Step
- [- Step] [- Para] Select [- GUIMenu] `HKEY_USERS` / GUIMenu, then click [- GUIMenu] `File > Load Hive` / GUIMenu / Para / Step
- [- Step] [- Para] Open the [- Filename] `NTUSER.DAT` / Filename file from the default profile folder. / Para

Para The **Filename** NTUSER.DAT **/ Filename** file might be hidden. To unhide the file: **/ Para**

3a **SubSteps** **Step** **Para** Open the default profile folder in Windows Explorer. **/ Para** **/ Step**

3b **Step** **Para** Click **GUIMenu** Tools **/ GUIMenu** > **GUIMenu** Folder Options > **/ GUIMenu** **GUIMenu** View **/ GUIMenu** . **/ Para** **/ Step**

3c **Step** **Para** Deselect **GUIMenu** Hide protected operating system files **/ GUIMenu** . **/ Para** **/ Step** **/ SubSteps** **/ Step**

4 **Step** **Para** In the Load Hive dialog box, specify the **GUIMenu** Key Name **/ GUIMenu** for the hive. For example, Vista. **/ Para** **/ Step**

5 **Step** **Para** Right-click the **GUIMenu** Vista **/ GUIMenu** hive, then click **GUIMenu** Permissions **/ GUIMenu** . **/ Para** **/ Step**

6 **Step** **Para** Ensure that the following groups or usernames have Full Control permissions: **/ Para**

- ♦ **ItemizedList** **ListItem** **Para** Administrators **/ Para** **/ ListItem**
- ♦ **ListItem** **Para** SYSTEM **/ Para** **/ ListItem**
- ♦ **ListItem** **Para** Users **/ Para** **/ ListItem** **/ ItemizedList** **/ Step**

7 **Step** **Para** Click **GUIMenu** Advanced. **/ GUIMenu** **/ Para** **/ Step**

8 **Step** **Para** Select the **GUIMenu** Replace permission entries on all child objects with entries shown here that apply to child objects **/ GUIMenu** option, click **GUIMenu** OK **/ GUIMenu** , then click **GUIMenu** Yes **/ GUIMenu** . **/ Para** **/ Step**

9 **Step** **Para** Click **GUIMenu** OK **/ GUIMenu** . **/ Para** **/ Step**

10 **Step** **Para** To unload the hive, select the **GUIMenu** Vista **/ GUIMenu** registry hive that **GUIMenu** **/ GUIMenu** you created, then click **GUIMenu** File > Unload Hive **/ GUIMenu** . **/ Para** **/ Step** **/ Procedure** **/ Sect1**

5.11

+ Sect1

5.12

Sect1 **Title** **Unassigning a Policy from Devices** **/ Title**

1 **Procedure** **+ Step**

2 **+ Step**

3 Step

4 Step

5 Step Para Click GUIMenu Remove GUIMenu . Para

Para On a Windows Server 2008 device, the Group policy user settings associated to a user are not unenforced when the user logs out. Para Step Procedure Sect1

5.13 Sect1 Title Unassigning a Policy from Users Title

1 Procedure

Para When you unassign a printer policy that is assigned to a user, the printer permissions for the user are removed from the device. However, the printer continues to be configured on the device. Para Sect1

5.14 Sect1 Title Adding System Requirements for a Policy Title

Para The System Requirements panel lets you define specific requirements that a device must meet for the specified version of the policy to be assigned to it. You can choose to edit the requirement. Para

Para You define requirements through the use of filters. A filter is a condition that must be met by a device in order for the policy to be applied. For example, you can add a filter to specify that the device must have exactly 512 MB of RAM in order for the policy to be applied, and you can add another filter to specify that the hard drive be at least 20 GB in size. Para

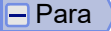
Para To create system requirements for a policy: Para

1 Procedure Step Para In ZENworks Control Center, click the GUIMenu Policies GUIMenu tab. Para Step

2 Step Para Click the underlined link for the desired policy to display the policy's Summary page. Para Step


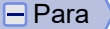


3 Step Para Click the GUIMenu Requirements GUIMenu tab. Para Step


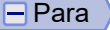





4 Step Para Click GUIMenu Add Filter GUIMenu , select a filter condition from the drop-down list, then fill in the fields. Para

 Para As you construct filters, you need to know the conditions you can use and how to organize the filters to achieve the desired results. For more information, see

 XRefInt [Section 5.14.1, “Filter Conditions,” on page 74](#)  XRefInt and

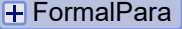
 XRefInt [Section 5.14.2, “Filter Logic,” on page 80](#)  XRefInt .  Para  Step


5  Step  Para (Conditional) Add additional filters and filter sets.  Para  Step


6  Step  Para Click  GUIMenu **Apply**  GUIMenu to save the settings.  Para  Step  Procedure





5.14.1 Sect2 Title **Filter Conditions** Title


 Para You can choose from any of the following conditions when creating a filter:  Para

 FormalPara

 FormalPara

 FormalPara

 Note **NOTE:**  Para This system requirement is applicable for Linux Configuration Policies and Windows Configuration Policies only.  Para  Note

 FormalPara

 Note

+ FormalPara

+ FormalPara

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+ Note

☐ FormalPara ☐ Title **Primary User Is Logged In:** ☐ / Title ☐ Para Determines if the device's primary user is logged in. The two conditions you can use to set the requirement are ☐ GUIMenu Yes ☐ / GUIMenu and ☐ GUIMenu No ☐ / GUIMenu . If you select

☐ GUIMenu **Yes** ☐ / GUIMenu , the primary user must be logged in to meet the requirement. If you select ☐ GUIMenu **No** ☐ / GUIMenu , the user must not be logged in. ☐ / Para ☐ / FormalPara

☐ FormalPara ☐ Title **Process Running:** ☐ / Title ☐ Para Determines if a process is running. After specifying the process name, the two conditions you can use to set the requirement are Yes and No. If you select Yes, the specified process must be running to meet the requirement. If you select No, the process must not be running. ☐ / Para ☐ / FormalPara

☐ Note **NOTE:** ☐ Para This system requirement is applicable only for servers and agents with ZENworks 2017 Update 4 or later versions. ☐ / Para ☐ / Note

☐ + FormalPara

☐ + FormalPara

☐ + FormalPara

☐ FormalPara ☐ Title **Registry Key Value:** ☐ / Title ☐ Para Determines if a registry key value exists on the device. The condition you use to set the requirement includes the key name, the value name, an operator, a value type, and a value data. The key and value names must identify the key value you want to check. The possible operators are equals (☐ GUIMenu = ☐ / GUIMenu), does not equal (☐ GUIMenu <> ☐ / GUIMenu), is greater than (☐ GUIMenu > ☐ / GUIMenu), is greater than or equal to (☐ GUIMenu >= ☐ / GUIMenu), is less than (☐ GUIMenu < ☐ / GUIMenu), is less than or equal to (☐ GUIMenu <= ☐ / GUIMenu). The possible value data is determined by the key, value name, and value type. ☐ / Para ☐ / FormalPara

☐ + Para

☐ + Para

☐ + Para

☐ + Para

☐ + Para

☐ Note **NOTE:** ☐ Para The filter condition ☐ GUIMenu **Registry Key Value** ☐ / GUIMenu is available only for Windows policies. The value type ☐ GUIMenu **IP Address** ☐ / GUIMenu for Registry Key Value is applicable only in VDI environments (VMwareVDI and CitrixVDI).

☐ / Para ☐ / Note

Para If you have set the condition to GUIMenu Registry Key Value GUIMenu and selected GUIMenu IP Address GUIMenu as the value type, then the two conditions that you can use to set the requirements are GUIMenu Is in Subnet GUIMenu and GUIMenu Is not in Subnet GUIMenu . If you select GUIMenu Is in Subnet GUIMenu , then the thin-client IP address of the device must be within a specific subnet. If you select GUIMenu Is not in Subnet GUIMenu , then the thin-client IP address of the device must be outside the subnet. Para

Para Specify the following in the text fields: Para

- ♦ ItemizedList

Para

Para If you are connected to a VMware desktop from any thin client, the following registry key will be created automatically in the VMware desktop, indicating the thin-client IP address through which it is connected. You can use the same Registry key as a filter to specify the filter requirement.

Para

Example 5-1 Example

Para

Para If you are connected to a Citrix desktop from any thin client, the following registry key will be created automatically in the Citrix desktop, indicating the thin-client IP address through which it is connected. You can use the same registry key as a filter to specify the filter requirement. Para

Example 5-2 Example

FormalPara

FormalPara

Note **NOTE:** Para This system requirement is applicable for Linux Configuration Policies and Windows Configuration Policies only. The system requirement is applied to a managed device only if the Location Assignment Policy has been applied to the device. If the policy has Security Location system requirement configured, the policy enforcement fails on Windows Server 2003 and Windows Server 2008 devices because the ZENworks Endpoint Security Management policies are not supported on these devices. Para Note

Service Exists: Determines if a service exists. After specifying the service name, the two conditions you can use to set the requirement are

Yes and **No**. If you select **Yes**, the service must exist to meet the requirement. If you select **No**, the service must not exist.

Service Running: Determines if a service is running. After specifying the service name, the two conditions you can use to set the requirement are **Yes** and **No**. If you select **Yes**, the specified service must be running to meet the requirement. If you select **No**, the service must not be running.

NOTE: This system requirement is applicable only for servers and agents with ZENworks 2017 Update 4 or later versions.

Specified Devices: Determines if the device is one of the specified devices. After specifying the devices, the two conditions you can use to set the requirement are **Yes** and **No**. If you select **Yes**, the device must be included in the specified devices list to meet the requirement (an inclusion list). If you select **No**, the device must not be included in the list (an exclusion list).

+ FormalPara / Sect2

5.14.2 **Filter Logic**










You can use one or more filters to determine whether the policy should be applied to a device. A device must match the entire filter list (as determined by the logical operators that are explained below) for the policy to be applied to the device.



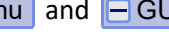









There is no technical limit to the number of filters you can use, but there are practical limits, such as:







- Designing a filter structure that is easy to understand
- Organizing the filters so that you do not create conflicting filters


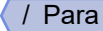
Filters, Filter Sets, and Logical Operators

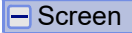
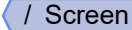

You can add filters individually or in sets. Logical operators, either **AND** or **OR**, are used to combine each filter and filter set. By default, filters are combined using **OR** (as

determined by the  **Combine Filters Using**  field) and filter sets are combined using  **AND**  . You can change the default and use  **AND**  to combined filters, in which case filter sets are automatically combined using  **OR**  . In other words, the logical operator that is to combine individual filters (within in a set) must be the opposite of the operator that is used between filter sets.  / Para






 **Para** You can easily view how these logical operators work. Click both the  **Add Filter**  and  **Add Filter Set**  options a few times each to create a few filter sets, then switch between  **AND**  and  **OR**  in the  **Combine Filters Using**  field and observe how the operators change.  / Para

 **Para** As you construct filters and filter sets, you can think in terms of algebraic notation parentheticals, where filters are contained within parentheses, and sets are separated into a series of parenthetical groups. Logical operators ( **AND**  and  **OR** ) separate the filters within the parentheses, and the operators are used to separate the parentheticals.  / Para

 **Para** For example, “(u AND v AND w) OR (x AND y AND z)” means “match either uvw or xyz.” In the filter list, this looks like:  / Para

 **Screen** u AND
v AND
w
OR
x AND
y AND
z  / Screen  / Sect3

Sect3 **Title** **Nested Filters and Filter Sets** / Title

 **Para** Filters and filter sets cannot be nested. You can only enter them in series, and the first filter or filter set to match the device is used. Therefore, the order in which they are listed does not matter. You are simply looking for a match to cause the policy to be applied to the device.  / Para  / Sect3  / Sect2  / Sect1

5.15

 **Sect1**

5.16

+ Sect1

5.17

+ Sect1

5.18

- Sect1

- Title

Publish a Policy

/ Title

- Para

 The Publish Policy(s) option allows you to publish the sandbox as a new version of the policy or as a different policy.

/ Para

5.18.1

- Sect2

- Title

Publish as New Version

/ Title

- Para

 Lets you create a new version of the policy that has the version number incremented by one from the latest available version of the policy.

/ Para

- Para

 Select the

- GUIMenu

Include policies from subfolders

/ GUIMenu

 option to enable all the policies that are within the subfolders of the selected folders to be published.

/ Para

1

+ Procedure

/ Sect2

5.18.2

- Sect2

- Title

Publish as New Policy

/ Title

- Para

 Lets you create a new policy.

/ Para

+ Sect3

+ Sect3

+ Sect3

+ Sect3

/ Sect2

/ Sect1

5.19

+ Sect1

Policy Issues on a Windows 7, Windows Server 2008, or Windows Server 2008 R2 device

Note: ZENworks no longer supports Windows Server as a Primary Server from version 24.2 onwards. For more information, see [End of Support Windows Primary Server](#).

- Roaming Profile policy with the home directory option is not enforced in a terminal session of a Windows Server 2008 or Windows Server 2008 R2 device if you have launched the terminal session from a Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 device. This is because the Novell Client login dialog box is not displayed on the device and only the Remote Desktop login is performed on the device.

To display the Novell Client login dialog box, do the following:

- Open the registry editor.
- Go to `HKEY_LOCAL_MACHINE\SOFTWARE\Novell\Login`.
- Create a string called `TSClientAutoAdminLogon`, and set its value to 1.
- Create a string called `DefaultLoginProfile`, and set its value to `Default`.
- Close the registry editor.
- From a Windows Vista or Windows 7 device, launch a Remote Desktop session to the Windows Server 2008 R2 device and specify the Windows user credentials.
- A Novell Client window is displayed. Click `Cancel`.
- In the next screen, click `Novell Logon` to display the Novell Client login dialog box.

- ◆ [- ListItem] [- Para] Dynamic Local User Profile policy is not enforced in a terminal session of a Windows Server 2008 or Windows Server 2008 R2 device if you have launched the terminal session from a Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 device. This is because Novell Client login dialog box is not displayed on the device and only the Remote Desktop login is performed on the device. / Para
- [- Para] For information on resolving this issue, search for the Using Dynamic Local User Policy in Windows Server 2008 R2 Remote Desktop Session Host article at the [- Ulink] [ZENworks Cool Solutions Community \(http://www.novell.com/communities/cool solutions/zenworks\)](http://www.novell.com/communities/cool solutions/zenworks) / Ulink / Para / ListItem
- ◆ [- ListItem] [- Para] If a Roaming Profile user logs in to a Windows Server 2008 or Windows Server 2008 R2 device and then logs out, the user cannot log in to a Windows 7 device or to other Windows Server 2008 or Windows Server 2008 R2 devices. / Para / ListItem
- ◆ [- ListItem] [- Para] A Roaming Profile policy cannot be enforced on a Windows 7, Windows Server 2008, or Windows Server 2008 R2 device if the user profile is stored on a Windows Server 2003 shared location. For more information, see the troubleshooting scenario [- XRefInt] [“Unable to enforce a Roaming Profile policy on a Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 device if the user profile is stored in a shared folder on a Windows Server 2003 device”](#) on page 119 / XRefInt / Para / ListItem / ItemizedList / Sect1

5.21 [- Sect1] [- Title] Viewing the Predefined Reports / Title

[- Para] ZENworks Reporting must be installed and configured to use the predefined reports. For more information on how to install ZENworks Reporting, see [- XRefExt] [ZENworks Reporting Appliance Deployment and Administration Reference](#) / XRefExt and for more information about ZENworks Reporting, see the [- CiteTitle] [- XRefExt] [ZENworks Reporting System Reference](#) / XRefExt / CiteTitle documentation. / Para

[- Para] To view the Predefined reports for Policies, do the following: / Para

1 [- Procedure] [+ Step]

2 [+ Step]

3 [+ Step]

4 [- Step] [- Para] The following Predefined reports are included for Policies: / Para

- ◆ [- ItemizedList] [- ListItem] [- FormalPara] [- Title] **Assigned Bundles and Policies by Device:** / Title [- Para] Displays information on all the policies that are assigned to a particular device. / Para / FormalPara / ListItem

- ◆ [+ ListItem](#)
- ◆ [+ ListItem](#) / [ItemizedList](#) / [Step](#) / [Procedure](#) / [Sect1](#)

5.22 [+ Sect1](#)

5.23 [- Sect1](#) [- Title](#) **Managing Policy Versions** [/ Title](#)

[+ Para](#)

[+ Para](#)

[+ Para](#)

[- InformalTable](#) [- TGroup](#) / [InformalTable](#) / [Sect1](#)

[- Para](#) **Task** / [Para](#)

[- Para](#) **Steps** / [Para](#)

[- Para](#) **Additional
Details** / [Para](#)

[- Para](#) Create a sandbox from the published version of the policy [/ Para](#)

1. [- OrderedList](#)
[- ListItem](#) [- Para](#) Select the published version of the policy. [/ Para](#)
[/ ListItem](#)
2. [- ListItem](#) [- Para](#) Edit the policy. [/ Para](#)
[- Para](#) / [Para](#)
[/ ListItem](#)
[/ OrderedList](#)

[- Para](#) A single modification made to the policy creates a sandbox. The created sandbox is a copy of the policy and also includes the additional edit. However, the change is not made to the published version of the policy. [/ Para](#)

[- Para](#) Changes can now be made to the sandbox. [/ Para](#)

[- Para](#) You can revert a sandbox to the original version of the policy or publish a sandbox to create a new version or a new policy. [/ Para](#)

Task / Para	Steps / Para	Additional Details / Para
<p>Create a sandbox from an older version of the policy / Para</p>	<ol style="list-style-type: none"> 1. OrderedList ListItem 2. ListItem Para Click GUIMenu Create sandbox / GUIMenu / Para / ListItem / OrderedList 	<p>The created sandbox is an exact copy of the policy. / Para</p> <p>Changes can now be made to the sandbox. / Para</p>
<p>Publish a sandbox / Para</p>	<ol style="list-style-type: none"> 1. OrderedList ListItem 2. ListItem Para Click GUIMenu Publish / GUIMenu to display the Publish Option page. / Para / ListItem / OrderedList 	<p>The sandbox must be published for the changes to be effective on the devices and users to whom the policy is assigned. / Para</p>
<p>Revert a sandbox / Para</p>	<ol style="list-style-type: none"> 1. OrderedList ListItem Para 2. ListItem Para Click GUIMenu Revert / GUIMenu to delete the sandbox. / Para / ListItem / OrderedList 	<p>Para</p>
<p>Delete an older version of the policy / Para</p>	<ol style="list-style-type: none"> 1. OrderedList ListItem Para Select an older version of the policy. / Para / ListItem 2. ListItem Para Click GUIMenu Delete Selected Version / GUIMenu / Para / ListItem / OrderedList 	<p>To delete all older versions of a policy or delete all versions older than a particular version, click GUIMenu Delete Older Versions / GUIMenu under the GUIMenu Policy Tasks / GUIMenu list located in the ZENworks Control Center left navigation pane. / Para</p>

5.24 [- Sect1] [- Title] Older Policy Versions Retain Setting [/ Title]

[- Para] Using the Policy Version Retain setting, you can configure the number of older policy versions that should be retained. This setting can be configured at the zone, folder and policy levels. The order of precedence is policy, folder and then zone. [/ Para]

[- Para] To configure the policy version retain settings, perform the following steps: [/ Para]

[- Para] In ZCC, go to [- GUIMenu] Configuration [/ GUIMenu] > [- GUIMenu] Management Zone Settings [/ GUIMenu] > [- GUIMenu] Bundle, Policy and Content [/ GUIMenu] >

[- GUIMenu] Older Policy Version Retain Setting [/ GUIMenu] . [/ Para]

[- Para] Following are the available options to retain the version: [/ Para]

- ◆ [- ItemizedList] [- ListItem] [- FormalPara] [- Title] Retain all versions: [/ Title]

[- Para] Select this option to retain all versions of the policy. This includes the published and sandbox versions. [/ Para] [/ FormalPara] [/ ListItem]

- ◆ [- ListItem] [- FormalPara] [- Title] Retain the specified number of older versions: [/ Title] [- Para] Select this option to specify the number of older versions of the policy to be retained. [/ Para] [/ FormalPara]

[- Para] The number that you specify should be a positive integer and it should not include the Published and Sandbox versions as they are retained by default. For example: If a policy has 5 versions and if you specify 2, then only the 2 versions prior to the currently published version will be retained along with Published and Sandbox versions. The remaining versions will be deleted. [/ Para] [/ ListItem]

- ◆ [- ListItem] [- FormalPara] [- Title] Do not retain any older versions: [/ Title]

[- Para] Select this option if you do not want to retain any older versions of policies in ZENworks. This option retains only the Published and Sandbox versions. [/ Para] [/ FormalPara] [/ ListItem] [/ ItemizedList] [/ Sect1]

5.25 [Sect1](#) [Title](#) Publishing a Sandbox [/ Title](#)

[Para](#) The sandbox must be published for the changes to be effective on the devices and users to whom the policy is assigned. You can choose to publish the sandbox either as a new version or as a new policy. Review the following sections: [/ Para](#)

- [SubToc](#) [ItemizedList](#) [ListItem](#) [Para](#) [XRefInt](#) [Section 5.25.1, “Publishing a Sandbox as a New Version,” on page 89](#) [/ XRefInt](#) [/ Para](#) [/ ListItem](#)
- [ListItem](#) [Para](#) [XRefInt](#) [Section 5.25.2, “Publishing a Sandbox as a New Policy,” on page 89](#) [/ XRefInt](#) [/ Para](#) [/ ListItem](#)
- [ListItem](#) [Para](#) [XRefInt](#) [Section 5.25.3, “Publishing Multiple Sandbox as New Versions,” on page 90](#) [/ XRefInt](#) [/ Para](#) [/ ListItem](#) [/ ItemizedList](#) [/ SubToc](#)

5.25.1 [Sect2](#) [Title](#) Publishing a Sandbox as a New Version [/ Title](#)

[Para](#) Publishing a sandbox as a new version lets you create a new version of the policy that has a version number incremented by one from the latest available version of the policy. [/ Para](#)

[Para](#) To publish the sandbox as a new version: [/ Para](#)

- 1 [Procedure](#) [+ Step](#)
- 2 [+ Step](#)
- 3 [+ Step](#)
- 4 [+ Step](#) [/ Procedure](#) [/ Sect2](#)

5.25.2 [Sect2](#) [Title](#) Publishing a Sandbox as a New Policy [/ Title](#)

[Para](#) Publishing a sandbox as a new policy creates a new policy. [/ Para](#)

- 1 [Procedure](#) [+ Step](#)
- 2 [+ Step](#)
- 3 [+ Step](#)
- 4 [Step](#) [Para](#) Specify a name for the policy. [/ Para](#)

[Para](#) The policy name must be different from the name of any other item (policy, group, folder, and so forth) that resides in the same folder. The name you provide displays in ZENworks Control Center and the ZENworks Agent (on managed devices). [/ Para](#)

[Para](#) For more information, see [+ Quote](#) in the [CiteTitle](#) [XRefExt](#) *ZENworks Control Center Reference* [/ XRefExt](#) [/ CiteTitle](#) . [/ Para](#) [/ Step](#)

- 5 [+ Step](#)

- 6 [+ Step](#)
- 7 [+ Step](#)
- 8 [+ Step](#)
- 9 [+ Step](#)
- 10 [+ Step](#)
- 11 [+ Step](#)
- 12 [+ Step](#) [/ Procedure](#) [/ Sect2](#)

5.25.3 [Sect2](#) [Title](#) Publishing Multiple Sandbox as New Versions [/ Title](#)

[Para](#) Perform the following steps in the ZENworks Control Center: [/ Para](#)

- 1 [Procedure](#) [+ Step](#)
- 2 [+ Step](#)
- 3 [Step](#) [Para](#) (Conditional) Select the [GUIMenu](#) [Include policies from subfolders](#) also [/ GUIMenu](#) option to publish all the policies within the selected folders as new versions of the policies.

This option is displayed only if you have selected a policy folder in [XRefInt](#) [Step 1](#) [/ XRefInt](#) . [/ Para](#) [/ Step](#)
- 4 [Step](#) [Para](#) Click [GUIMenu](#) [Next](#) [/ GUIMenu](#) . On the Select Policies page, select the policy you want to publish to next version, then click [GUIMenu](#) [Next](#) [/ GUIMenu](#) . [/ Para](#) [/ Step](#)
- 5 [+ Step](#) [/ Procedure](#) [/ Sect2](#) [/ Sect1](#)

5.26 [Sect1](#) [Title](#) Policy Behavior Based on Content Replication Settings [/ Title](#)

[Para](#) When you created a policy in earlier versions of ZENworks, the policy inherited the content replication settings from its parent folder by default. However, with the introduction of Policy Change Management, the behavior has been changed. For more information on this change, see the following table: [/ Para](#)

Para Creating a policy (not as a sandbox) / Para

Para The new policy inherits the settings from its parent folder by default. / Para

Para Creating a policy as a sandbox / Para

Para The new policy neither inherits settings from its parent folder nor does it replicate content by default. / Para

Para To replicate the content on new Primary Servers: / Para

1. OrderedList ListItem Para In ZENworks Control Center, click the policy. / Para / ListItem
2. ListItem Para Click the
GUIMenu Settings / GUIMenu
tab. / Para / ListItem
3. ListItem Para Click GUIMenu Pre-Cached Content / GUIMenu . / Para / ListItem
4. ListItem Para In the Pre-Cached Content panel, select the required Primary or Satellite Server. / Para / ListItem / OrderedList

Para To replicate the content on new Satellite Servers:
/ Para

1. OrderedList ListItem Para In ZENworks Control Center, click the policy. / Para / ListItem
2. ListItem Para Click the
GUIMenu Settings / GUIMenu
tab. / Para / ListItem
3. ListItem Para Click GUIMenu Pre-Cached Content / GUIMenu . / Para / ListItem
4. ListItem Para In the Pre-Cached Content panel, select the required Primary or Satellite Server. / Para / ListItem / OrderedList

Note NOTE: Para The GUIMenu Sync sandbox Content to Content Servers / GUIMenu option on the sandbox Settings page of the policy is deselected and is not editable.

/ Para / Note

[- Para Creating a sandbox from a published version or an older version of the policy / Para

[- Para The sandbox version of the policy neither inherits settings from its parent folder nor does it replicate content by default. / Para

[- Para To replicate the content on new Primary and Satellite Servers: / Para

1. [- OrderedList [- ListItem [- Para In ZENworks Control Center, click the policy. / Para / ListItem
2. [- ListItem [- Para Click the [- GUIMenu Settings / GUIMenu tab. / Para / ListItem
3. [- ListItem [- Para Click [- GUIMenu sandbox Settings / GUIMenu . / Para / ListItem
4. [- ListItem [- Para In the sandbox Content Replication panel, select the [- GUIMenu Sync sandbox Content to Content Servers / GUIMenu option. / Para / ListItem / OrderedList

[- Note **NOTE:** [- Para If precaching is disabled in the zone, or policy level, then irrespective of the status of the Sync Sandbox Content to Content Servers option under Policies Level, the content will not be replicated and will be served using the ondemand method. / Para / Note

Publishing a policy to create a new policy as a sandbox / Para

If you publish a policy to create a new policy with the **Create as Sandbox** option selected then the new policy is created as a sandbox. The new policy neither inherits settings from its parent folder nor does it replicate content by default. / Para

To replicate the content on new Primary Servers: / Para

1. + OrderedList

If you want to replicate the content on new Satellite Servers, do the following: / Para

1. OrderedList ListItem Para Click the policy. / Para / ListItem
2. ListItem Para Click the Settings GUI Menu / GUI Menu tab. / Para / ListItem
3. ListItem Para Click Pre-Cached Content GUI Menu . / Para / ListItem
4. ListItem Para In the Pre-Cached Content panel, select the required Primary or Satellite Server. / Para / ListItem / OrderedList

NOTE: The **Sync sandbox Content to Content Servers** option on the sandbox Settings page of the policy is deselected and is not editable.

/ Para / Note

[- Para] Publishing a policy to create a new policy (not as a sandbox) / Para

[- Para] The settings of the new policy depend on the source policy from which it has been created. / Para

- ♦ [- ItemizedList] [- ListItem] [- Para] If you publish a sandbox-only policy whose replication settings have not been modified, the new policy inherits settings from the parent folder. / Para / ListItem
 - ♦ [- ListItem] [- Para] If you publish a sandbox-only policy whose replication settings have been modified, the modified replication settings are copied to the new policy. / Para / ListItem
 - ♦ [- ListItem] [- Para] If you publish a sandbox that has been created from a published version or an older version of a policy, the content replication settings from the published version of the source policy are copied to new policy. / Para / ListItem / ItemizedList
-

6 Managing Policy Groups

A policy group lets you group policies to ease administration and to provide easier assigning and scheduling of the policies in the policy group.

You can use ZENworks Control Center or the zman command line utility to create policy groups. This section explains how to perform this task using the ZENworks Control Center. If you prefer the zman command line utility, see “[Policy Commands](#)” in the *ZENworks Command Line Utilities Reference*.

- ♦ [Section 6.1, “Creating Policy Groups,” on page 93](#)
- ♦ [Section 6.2, “Renaming or Moving Policy Groups,” on page 94](#)
- ♦ [Section 6.3, “Deleting a Policy Group,” on page 94](#)
- ♦ [Section 6.4, “Assigning a Policy Group to Devices,” on page 95](#)
- ♦ [Section 6.5, “Assigning a Policy Group to Users,” on page 95](#)
- ♦ [Section 6.6, “Adding a Policy to a Group,” on page 96](#)

6.1 Creating Policy Groups

- 1 In ZENworks Control Center, click the **Policies** tab.
- 2 Click **New > Policy Group**.
- 3 Fill in the fields:

Group Name: Provide a name for the policy group. The name must be different than the name of any other item (policy, group, folder, and so forth) that resides in the same folder. The name you provide displays in ZENworks Control Center.

For more information, see “[Naming Conventions in ZENworks Control Center](#)” in the *ZENworks Control Center Reference*.

Folder: Type the name or browse to and select the ZENworks Control Center folder where you want the policy to reside. The default is /policies, but you can create additional folders to organize your policies.

If you want to create the group in another folder, browse to and select the folder. By default, the group is created in the current folder.


Description: Provide a short description of the policy group's contents. This description displays in ZENworks Control Center.

- 4 Click **Next** to display the Add Group Members page, then specify policies to be members for the group.

You can add any number of policies to the group. You cannot add other policy groups to the group.

- 4a Click **Add** to display the Select Members dialog box.

Because you are adding policies to the group, the Select Members dialog box opens with the **Policies** folder displayed.

- 4b** Browse for and select the policies you want to add to the group. To do so:
- 4b1** Click  next to a folder to navigate the folders until you find the policy you want to select.
If you know the name of the policy you are looking for, you can also use the **Item name** box to search for the policy.
 - 4b2** Click the underlined link in the **Name** column to select the policy and display its name in the **Selected** list.
 - 4b3** (Optional) Repeat [Step 4a](#) and [Step 4b](#) to add additional policies to the **Selected** list.
 - 4b4** Click **OK** to add the selected policies to the group.
- 5** Click **Next** to display the Summary page. Review the information and, if necessary, use the **Back** button to make changes to the information.
- 6** (Conditional) Select **Create as Sandbox**, if you want to create the sandbox version of the policy.
- 7** (Optional) Select the **Define Additional Properties** option to display the group's properties page after the group is created. You can then configure additional policy properties.
- 8** Click **Finish** to create the group.

Before the policy group's contents are distributed to devices or users, you must continue with [Section 5.7, "Assigning a Policy to Devices," on page 66](#) or [Section 5.8, "Assigning a Policy to Users," on page 68](#).

6.2 Renaming or Moving Policy Groups

Use the **Edit** drop-down list on the Policies page to edit an existing object. To access the **Edit** drop-down list, you must select an object by clicking the check box next to the object's name in the list.

Depending on the type of object you select, you can rename, copy, or move the selected object. For example, if you select a policy object, you can rename, copy, and move the policy. If you select a Policy Group object, you can rename or move the policy group object, but not copy it. If the option is dimmed, that option is not available for the selected object type.

Some actions cannot be performed on multiple objects. For example, if more than one check box is selected, the **Rename** option is not available from the **Edit** menu.

- 1** In ZENworks Control Center, click the **Policies** tab.
- 2** In the **Policies** list, select the box next to the policy group's name, click **Edit**, then click an option:
 - Rename:** Click **Rename**, provide a new name for the policy group, then click **OK**.
 - Move:** Click **Move**, select a destination folder for the selected objects, then click **OK**.

6.3 Deleting a Policy Group

Deleting a policy group does not delete its policies. It also does not unenforce the policies from devices where they have already been enforced. To unenforce the policy from devices, remove the assignment of each policy from the devices or users before deleting the policy group.


For information on unassigning policy from a user, see [Section 5.13, "Unassigning a Policy from Users," on page 73](#).

For information on unassigning policy from a device, see [Section 5.12, “Unassigning a Policy from Devices,” on page 73](#).


To delete the policy group:

- 1 In ZENworks Control Center, click the **Policies** tab.
- 2 In the **Policies** list, select the check box next to the policy group (or policy groups).
- 3 Click **Delete**.

6.4 Assigning a Policy Group to Devices

- 1 In ZENworks Control Center, click the **Policies** tab.
- 2 In the **Policies** list, select the check box next to the policy group (or policy groups).
- 3 Click **Action > Assign to Device**.
- 4 Browse for and select the devices, device groups, and device folders to which you want to assign the group. To do so:
 - 4a Click  next to a folder (for example, the **Workstations** folder or **Servers** folder) to navigate through the folders until you find the device, group, or folder you want to select.
If you are looking for a specific item, such as a Workstation or a Workstation Group, you can use the **Items of type** list to limit the types of items that are displayed. If you know the name of the item you are looking for, you can use the **Item name** box to search for the item.
 - 4b Click the underlined link in the **Name** column to select the device, group, or folder and display its name in the **Selected** list box.
 - 4c Click **OK** to add the selected devices, folders, and groups to the **Devices** list.
- 5 Click **Next** to display the Finish page, review the information and, if necessary, use the **Back** button to make changes to the information.
- 6 Click **Finish**.

6.5 Assigning a Policy Group to Users

- 1 In ZENworks Control Center, click the **Policies** tab.
- 2 In the **Policies** list, select the check box next to the policy group (or policy groups).
- 3 Click **Action > Assign to User**.
- 4 Browse for and select the user, user groups, and user folders to which you want to assign the group. To do so:
 - 4a Click  next to a folder to navigate through the folders until you find the user, group, or folder you want to select.
If you are looking for a specific item, such as a User or a User Group, you can use the **Items of type** list to limit the types of items that are displayed. If you know the name of the item you are looking for, you can use the **Item name** box to search for the item.
 - 4b Click the underlined link in the **Name** column to select the user, group, or folder and display its name in the **Selected** list box.
 - 4c Click **OK** to add the selected devices, folders, and groups to the **Users** list.

- 5 Click **Next** to display the Finish page, review the information and, if necessary, use the **Back** button to make changes to the information.
- 6 Click **Finish**.

6.6 Adding a Policy to a Group

For more information, see [Section 5.6, “Adding Policies to Groups,”](#) on page 65.

7 Managing Folders

A folder is an organizational object. You can use folders to structure your policies and policy groups into a manageable hierarchy for your ZENworks system. For example, you might want a folder for each type of policy (Browser Bookmarks policy, Dynamic Local User policy, and so forth), or, if applications are department-specific, you might want a folder for each department (Accounting Department folder, Payroll Department folder, and so forth).

The following sections contain additional information:

- ♦ [Section 7.1, “Creating Folders,” on page 97](#)
- ♦ [Section 7.2, “Renaming or Moving Folders,” on page 97](#)
- ♦ [Section 7.3, “Deleting a Folder,” on page 98](#)

7.1 Creating Folders

1 In ZENworks Control Center, click the **Policies** tab.

2 Click **New > Folder**.

3 Provide a unique name for your folder. This is a required field.

When you name an object in ZENworks Control Center (folders, policies, policy groups, and so forth), ensure that the name adheres to the naming conventions; not all characters are supported. For more information on naming conventions, see “[Naming Conventions in ZENworks Control Center](#)” in the *ZENworks Control Center Reference*.

4 Type the name or browse to and select the folder that will contain this folder in the ZENworks Control Center interface. This is a required field.

5 Provide a short description of the folder's contents.

6 Click **OK**.

7.2 Renaming or Moving Folders

Use the **Edit** drop-down list on the Policies page to edit an existing object. To access the **Edit** drop-down list, you must select an object by clicking the check box next to the object's name in the list.

Depending on the type of object you select, you can rename, copy, or move the selected object. For example, if you select a Policy object, you can rename, copy, and move the policy. If you select a Folder object, you can rename or move the Folder object, but not copy it. If the option is dimmed, that option is not available for the selected object type.

Some actions cannot be performed on multiple objects. For example, if more than one check box is selected, the **Rename** option is not available from the **Edit** menu.

1 In ZENworks Control Center, click the **Policies** tab.

2 In the **Policies** list, select the box next to the folder's name, then click **Edit**.

3 Select an option:

- ♦ **Rename:** Click **Rename**, provide a new name for the folder, then click **OK**.
- ♦ **Move:** Click **Move**, choose a destination folder for the selected objects, then click **OK**.

7.3 Deleting a Folder

Deleting a folder also deletes all of its contents (policies, policy groups, and subfolders).

- 1 In ZENworks Control Center, click the **Policies** tab.
- 2 In the **Policies** list, select the check box next to the folder (or folders).
- 3 Click **Delete**.

A

Troubleshooting Policy Management

The following sections contain detailed explanations of the error messages or problems you might encounter when using the Novell ZENworks Configuration Management policies.

- ♦ [Section A.1, “Browser Bookmarks Policy Errors,” on page 99](#)
- ♦ [Section A.2, “Browser Bookmarks Policy Troubleshooting,” on page 101](#)
- ♦ [Section A.3, “Dynamic Local User Policy Errors,” on page 102](#)
- ♦ [Section A.4, “Dynamic Local User Policy Troubleshooting,” on page 103](#)
- ♦ [Section A.5, “General Policy Troubleshooting,” on page 106](#)
- ♦ [Section A.6, “Local File Rights Policy Errors,” on page 109](#)
- ♦ [Section A.7, “Local File Rights Policy Troubleshooting,” on page 110](#)
- ♦ [Section A.8, “Printer Policy Errors,” on page 110](#)
- ♦ [Section A.9, “Printer Policy Troubleshooting,” on page 113](#)
- ♦ [Section A.10, “Roaming Profile Policy Errors,” on page 119](#)
- ♦ [Section A.11, “Roaming Profile Policy Troubleshooting,” on page 119](#)
- ♦ [Section A.12, “SNMP Policy Errors,” on page 121](#)
- ♦ [Section A.13, “Windows Group Policy Errors,” on page 121](#)
- ♦ [Section A.14, “Windows Group Policy Troubleshooting,” on page 124](#)

A.1 Browser Bookmarks Policy Errors

- ♦ [“The folder cannot be created to add bookmark as Internet Explorer does not allow such folder” on page 99](#)
- ♦ [“The bookmark cannot be created as the bookmark name is not proper. Internet Explorer does not allow such bookmarks” on page 100](#)
- ♦ [“Unable to apply the Browser Bookmark Policy” on page 100](#)
- ♦ [“On a managed device, unable to create empty folders in a user’s favorites folder” on page 100](#)
- ♦ [“The Browser Bookmarks policy fails on a Windows Vista managed device” on page 100](#)

The folder cannot be created to add bookmark as Internet Explorer does not allow such folder

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: On Windows managed devices, Internet Explorer does not allow a bookmark folder name with special characters such as !, *, /, or \.

Action: When creating the policy, ensure that special characters such as ! , * , / , or \ are not used in the bookmark folder name.

The bookmark cannot be created as the bookmark name is not proper. Internet Explorer does not allow such bookmarks

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: On Windows managed devices, the Internet Explorer does not allow a bookmark name with special characters such as ! , * , / , or \.

Action: When creating the policy, ensure that special characters such as ! , * , / , or \ are not used in the bookmark name.

Unable to apply the Browser Bookmark Policy

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: Ensure that the Browser Bookmark policy has been correctly created. For more information on the ZENworks error message, see [Section 3.1, “Browser Bookmarks Policy,” on page 21](#).

Action: If the problem persists, contact [Novell Support \(http://www.novell.com/support\)](http://www.novell.com/support).

On a managed device, unable to create empty folders in a user’s favorites folder

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: None.

The Browser Bookmarks policy fails on a Windows Vista managed device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If you assign a Browser Bookmarks policy to a Windows Vista managed device, the following error is displayed:.

The Favorites folder for the user was not found to operate on.

Action: Refresh the managed device.

A.2 Browser Bookmarks Policy Troubleshooting

- ♦ “The Browser Bookmarks policy settings are not removed from the user’s favorites when the ZENworks Agent is uninstalled” on page 101
- ♦ “The bookmark file exported in .json file format is not yet supported” on page 101
- ♦ “Bookmark policy fails with a redirected home directory” on page 101

The Browser Bookmarks policy settings are not removed from the user’s favorites when the ZENworks Agent is uninstalled

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If a Browser Bookmarks policy is assigned to a user or the managed device, the Browser Bookmarks policy settings are not removed from the user’s Favorites when the ZENworks Agent is uninstalled.

Action: To remove the Browser Bookmarks policy settings from the user’s Favorite, unassign the policy from the device or the user and refresh the managed device before uninstalling the ZENworks Agent.

The bookmark file exported in .json file format is not yet supported

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: On Mozilla Firefox 3.0 or above, if you click **Bookmarks > Organize Bookmarks > Import and Backup > Backup** to export the bookmarks, the bookmarks are exported to a .json file. However, the .json file format is not yet supported in ZENworks.

Action: Export the bookmarks to a html file. Click **Bookmarks > Organize Bookmarks > Import and Backup > Export HTML** to export the bookmarks.

Bookmark policy fails with a redirected home directory

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: Bookmark policies fail when they are redirected to a user's home directory.

Action: To configure the policy settings:

- 1 Create a mapped drive, for example H:, with a Favorites folder that has write permission.
- 2 On a Windows managed device, open the Registry Editor.
- 3 Go to
HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\ShellFolders and set the value of the registry key to H:\Favorites.

- 4 Go to
HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Explorer\UserShell Folders and set the value of the registry key to H:\Favorites.
- 5 Go to the HKLM\SOFTWARE\NOVELL\ZCM\ folder.
- 6 Configure the runBookmarksMappedDrive registry key with a string value = True.
- 7 Assign and then enforce the policy on a user or device.

A.3 Dynamic Local User Policy Errors

- ♦ “The policy failed in the included and excluded user/workstation list calculation” on page 102
- ♦ “Error while applying settings to a file or a group” on page 102
- ♦ “Unable to enforce a policy because the policy data is empty” on page 102

The policy failed in the included and excluded user/workstation list calculation

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: This error occurs if either the included/excluded workstation list or the user list is configured, and the workstation or the user did not qualify.

Action: Remove the user or the workstation from the excluded list configured in the policy and increment the version of the policy to enforce the policy updates to the managed device.

Error while applying settings to a file or a group

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: Turn on debug logging on the managed device and refer to the `zmd-messages.log` file to obtain more details about the error.

For more information on how to turn on debug logging, see “[Using Message Logging](#)” in the *ZENworks Control Center Reference* or contact [Novell Support](#) (<http://www.novell.com/support>).

Unable to enforce a policy because the policy data is empty

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: The ZENworks Agent did not receive any data to be configured on the managed device.

Action: Review the policy content in ZENworks Control Center. For more information about the Dynamic Local User Policy, see [Section 3.2, “Dynamic Local User Policy,”](#) on page 23.

A.4 Dynamic Local User Policy Troubleshooting

- ♦ [“Unable to update the group membership of the user on the managed device”](#) on page 103
- ♦ [“Dynamic Local User is unable to log on to the managed device”](#) on page 103
- ♦ [“Subsequent to the first login, the DLU user is prompted to provide the credentials when he or she tries to log into the device again during the cache period specified in the policy”](#) on page 104
- ♦ [“After logging out of a managed device that is disconnected from the network, a Dynamic Local User is unable to log in to the device again”](#) on page 104
- ♦ [“The DLU policy does not delete user profiles if the Roaming Profile policy is applied”](#) on page 105
- ♦ [“The DLU-based login corrupts the user profile when logging in to different devices with a roaming profile”](#) on page 105
- ♦ [“The DLU policy allows excluded user to log in”](#) on page 105
- ♦ [“DLU with smart card uses PIN for Windows user account”](#) on page 106

Unable to update the group membership of the user on the managed device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: On the managed device, the group membership of the user is not updated according to the User Configurations settings of the Dynamic Local User policy.

Possible Cause: The **DontUpdateGroupMemberships** registry key is set to 1

Action: On the managed device for a 32-bit machine, set the registry key `HKEY_LOCAL_MACHINE\SOFTWARE\Novell\NWGINA\Dynamic Local User\DontUpdateGroupMemberships` to 0.

On the managed device for a 64-bit machine, set the registry key `HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\Novell\NWGINA\Dynamic Local User\DontUpdateGroupMemberships` to 0.

Dynamic Local User is unable to log on to the managed device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If the password of the Dynamic Local User in the user source does not meet the password complexity requirements, the user fails to log on to the managed device.

Possible Cause: **Password must meet complexity requirements** is enabled in the password policy setting of the Group policy of the device (**Computer Configuration > Windows Settings > Security Settings > Account Policies > Password Policy**).

Action: Do one of the following:

- ♦ Ensure that the password specified for the user in the user source meets the password complexity requirements. For information on the password complexity requirements, double-click **Password must meet complexity requirements** in the password policy setting of the Group policy (**Computer Configuration > Windows Settings > Security Settings > Account Policies > Password Policy**).
- ♦ Disable the **Password must meet complexity requirements** setting on the managed device.

Subsequent to the first login, the DLU user is prompted to provide the credentials when he or she tries to log into the device again during the cache period specified in the policy

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If the **Use the credential specified below** and **Enable Volatile User cache** settings are configured in the Dynamic Local User policy, then subsequent to the first login, the DLU user is prompted to provide the credentials when he or she tries to log into the device again during the cache period specified in the policy.

Action: To enable the user to log into the device without being prompted on subsequent logins, ensure that the **Manage existing user account** option is enabled in the policy. This ensures that the ZENworks Agent manages the password on behalf of the user.

After logging out of a managed device that is disconnected from the network, a Dynamic Local User is unable to log in to the device again

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If a Dynamic Local User policy that has **Use the credential specified below**, **Manage existing user account**, and **Enable Volatile User Cache** options enabled is assigned to a device and a user logs out of the device when the device is disconnected from the network, the user is unable to log in to the disconnected device again.

Action: Before the policy is assigned to the device or the device is disconnected from the network, perform the following steps on the managed device:

- 1 (Recommended) Select the option **Use User Source Password** for logging in to the device.
- or

2 Do the following:

2a Open the Registry Editor.

2b For a 32-bit machine, go to

`\HKLM\SOFTWARE\Novell\NWGINA\Dynamic Local User\.`

For a 64-bit machine, go to

`HKLM\SOFTWARE\Wow6432Node\Novell\NWGINA\Dynamic Local User\.`

2c Create a DWORD called `EnableEDirPasswordForFA`, and set the value to 1.

The DLU policy does not delete user profiles if the Roaming Profile policy is applied

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: User profiles created with a volatile DLU (Dynamic Local User) that has a Roaming Profile policy in effect are sometimes not deleted on user logoff.

Action: Set the `DeleteRoamingCache` registry key value. For details on setting the key value, see the [Microsoft Support Web site \(http://technet.microsoft.com/en-us/library/cc957394.aspx\)](http://technet.microsoft.com/en-us/library/cc957394.aspx).

For more information, see TID 7006386 in the [Novell Support Knowledgebase \(http://www.novell.com/support/search.do?usemicrosite=true&searchString=7006386\)](http://www.novell.com/support/search.do?usemicrosite=true&searchString=7006386).

The DLU-based login corrupts the user profile when logging in to different devices with a roaming profile

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If the user profile is not deleted on every logout on each device, the roaming profile will not work in a stable state when attempting to log in to different devices.

Action: Use the DLU policy Volatile user option to set the local user profile to be removed each time the user logs out.

This requires the DLU Volatile User cache to be disabled. This can be done at: **ZCC > Policies > [DLU Volatile User Policy] > Details > Volatile user > Enable Volatile User cache.**

For more information, see TID 7010457 in the [Novell Support Knowledge base \(http://www.novell.com/support/kb/doc.php?id=7010457\)](http://www.novell.com/support/kb/doc.php?id=7010457).

The DLU policy allows excluded user to log in

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: When you assign a DLU policy with excluded users to a device and restart the device immediately after enforcing the DLU policy, it still allows an excluded user to log in.

Possible Cause: Random refresh is enabled.

Action: Disable Random refresh.

DLU with smart card uses PIN for Windows user account

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: The DLU policy with user source credentials and ZENworks smart card login uses the smart card PIN for the Windows Local user account. In this case password complexity may not meet for the Windows password.

Action: Configure Universal Password policy for the eDir user and create universal password for the user. This universal password will be used for the DLU account.

NOTE: The Password policy should allow the user running this utility to retrieve the user's universal password. For more information, see https://www.netiq.com/documentation/edirectory-9/edir_admin/data/b1j5uudh.html.

This universal password will be used for the DLU account.

A.5 General Policy Troubleshooting

- ♦ “The user is prompted to log in again immediately after logging in to ZENworks by using ZENworks icon” on page 107
- ♦ “Unable to view the newly added user source in all the other concurrent sessions of ZENworks Control Center” on page 107
- ♦ “The Wake-on-LAN policy is not available in ZENworks Configuration Management” on page 107
- ♦ “The zman pvst command might not display the correct status of the policy assignment and deployment on a managed device” on page 107
- ♦ “The enforcement of policies such as DLU policy, Roaming Profile policy, or Group Policy fails on the managed device” on page 108
- ♦ “Closing a published application or logging out of the shared desktop of a Citrix server fails to terminate the session on the Citrix server” on page 108
- ♦ “Some of the policy settings might not get enforced on a Terminal Server session” on page 108
- ♦ “Policies might not be listed on Linux managed devices even if the policies are enforced” on page 109
- ♦ “When you upgrade a ZENworks Server from ZENworks 11.2 to 11.3, Power Management Policy settings with value configured as Not Configured are not upgraded properly” on page 109

The user is prompted to log in again immediately after logging in to ZENworks by using ZENworks icon

Source: ZENworks Configuration Management; Policy Management.

Explanation: If the following conditions are met, a ZENworks user is prompted to log in again immediately after logging in to the device, in spite of providing the right credentials:

- ♦ The user has logged in to a device where another ZENworks user has logged in and logged out within 5 to 10 minutes of the desktop login.
- ♦ The Dynamic Local User policy or the Windows Group policy that is assigned to the user has the **After enforcement, force a re-login on the managed device, if necessary** option selected.

Action: Edit the policy to deselect **After enforcement, force a re-login on the managed device, if necessary**.

Unable to view the newly added user source in all the other concurrent sessions of ZENworks Control Center

Source: ZENworks Configuration Management; Policy Management.

Explanation: If ZENworks Control Center is opened by more than one user at the same time and a new user source is added to the management zone by one of the users, the newly added user source is not reflected in the other open sessions of ZENworks Control Center. Consequently, the policies might not be assigned to the new user source.

Action: To assign policies to the new user source, log in to ZENworks Control Center again.

The Wake-on-LAN policy is not available in ZENworks Configuration Management

Source: ZENworks Configuration Management; Policy Management.

Action: Perform the following steps to create the functionality of the Wake-on-LAN policy:

1. In ZENworks Control Center, create an empty bundle without any actions.
2. Select the bundle and click **Action > Assign Bundle to Device**, then click **Next**.
3. Select the **Distribution Schedule** option, then click **Next**.
4. Select the **Wake-on-LAN** option, then click **Next**.
5. Click **Finish**.

The zman pvst command might not display the correct status of the policy assignment and deployment on a managed device

Source: ZENworks Configuration Management; Policy Management.

Explanation: If you assign a policy to a user or device and run the `zman pvst` command on the server, the assignment status and the overall deployment status of the policy might not be displayed correctly.

Action: Refresh the device.

The enforcement of policies such as DLU policy, Roaming Profile policy, or Group Policy fails on the managed device

Source: ZENworks Configuration Management; Policy Management.

Possible Cause: If a user logs into a managed device by authenticating with a eDirectory user account that has trailing space characters, policies such as DLU policy, Roaming Profile policy, or Group Policy are not enforced on the managed device.

Action: Ensure that the eDirectory user account does not have trailing space characters.

Closing a published application or logging out of the shared desktop of a Citrix server fails to terminate the session on the Citrix server

Source: ZENworks Configuration Management; Policy Management.

Explanation: Even after closing a published application or logging out of the shared desktop of a Citrix server, a user remains logged in to ZENworks. Consequently, some of the policies might not be unenforced on the device.

Action: Perform the following steps on the device:

- 1 Open the Registry Editor.
- 2 Go to
`HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\Citrix\wfshell\TWI.`
- 3 Change the value of `LogoffCheckSysModules` from
`ZCMUMHelper.exe` to `ZenUserDaemon.exe`, `ZCMUMHelper.exe`
- 4 Reboot the device.

Some of the policy settings might not get enforced on a Terminal Server session

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: Some policies might not be applied when a user logs into a Terminal Server session. The policy would get automatically enforced during the next device refresh schedule. For example, Browser Bookmarks policy, iPrint policy, and Internet Explorer maintenance settings that are configured in the Group policy are not applied to the device.

Possible Cause: ZEN user daemon might not have started when the policies were getting enforced on the device.

Action: If you want to enforce the policy immediately on the device, you must manually refresh the ZENworks Agent in one of the following ways:


- ♦ Right-click the ZENworks icon, then select **Refresh**.
- ♦ In the command prompt, run the `zac ref` command.

Policies might not be listed on Linux managed devices even if the policies are enforced

Source: ZENworks Configuration Management; Policy Management; Linux Configuration Policy.

Explanation: After you have enforced a policy on a device, the policies might not be listed on the Linux managed devices.

Action: To ensure that the policies are listed correctly on the device:

- 1 Forcefully reapply the policy on the Linux managed device by using the `zac pr` command.
- 2 To verify that the policy is getting listed on the managed device use the `zac pl` command or use the  icon.

When you upgrade a ZENworks Server from ZENworks 11.2 to 11.3, Power Management Policy settings with value configured as Not Configured are not upgraded properly

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy

Explanation: ZENworks allows us to configure Power Management Policy settings with value Not Configured represented by -1. ZENworks 11 SP3 does not support this configuration.

When ZENworks Server is upgraded from ZENworks 11.2 to 11.3, and this policy is applied to a ZENworks 11.3 agent, the agent machine will ignore this value that is configured by ZENworks Configuration Management.

Action: After upgrade from ZENworks Control Center, open the existing Power Management policy and save it. This will update the policy data with the 11.3 supported format.

A.6 Local File Rights Policy Errors

- ♦ [“The file or folder was not found while enforcing the policy” on page 109](#)
- ♦ [“Error while applying or unenforcing a policy” on page 110](#)

The file or folder was not found while enforcing the policy

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: This occurs when a file or folder configured in the policy is not found on the managed device.

Action: On the managed device, do the following:

- ♦ Verify whether the file or folder exists and the name and path are correct.
- ♦ Ensure that Windows Explorer is configured to display extensions for a file of a known type. In Windows Explorer, click **Tools > Folder Options** to display the Folder Options dialog box. Click the **View** tab, then ensure that the **Hide Extension for known file types** option is not selected.

Error while applying or unenforcing a policy

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: Turn on debug logging on the managed device and refer to the `zmd-messages.log` file to obtain more details about the error. For more information on how to turn on debug logging, see “[Using Message Logging](#)” in the [ZENworks Control Center Reference](#) or contact [Novell Support \(http://www.novell.com/support\)](http://www.novell.com/support).

A.7 Local File Rights Policy Troubleshooting

- ♦ “[The user permissions configured in the Local File Rights policy are not effective on the device](#)” on [page 110](#)

The user permissions configured in the Local File Rights policy are not effective on the device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: The user permissions configured in the Local File Rights policy might conflict with the user permissions configured in the Dynamic Local User policy. The permissions configured for the user or group in the Dynamic Local User policy take precedence over the permissions configured in the Local File Rights policy.

Action: Ensure that the user permissions configured in the Local File Rights policy are not conflicting with the user permissions configured in Dynamic Local User policy.

A.8 Printer Policy Errors

- ♦ “[Printer driver installation failed for *printer_name*. The provided driver install file type is not supported](#)” on [page 111](#)
- ♦ “[Printer driver installation failed for *printer_name*. File extraction failed for *filename*”](#) on [page 111](#)

- ♦ “Printer driver installation failed for *printer_name*. Check if provided drivers inf file is in proper format” on page 111
- ♦ “Unable to get iprint install file from the specified location in managed device, please check if file is there in specified location” on page 112
- ♦ “Unable to extract iprint client installer from the content” on page 112
- ♦ “Bad iprint install file. Unable to extract setupipp.exe file. Expectation is for a zip file which extracts setupipp.exe on the root. check the file mentioned for install” on page 112
- ♦ “iPrint client install failed. Check if the provided iprint client supports silent install” on page 112
- ♦ “Failed to add smb printer *printer_name*” on page 113
- ♦ “Failed to add iprint printer *printer_name*” on page 113
- ♦ “An incorrect error message that the iPrint policy could not be enforced is displayed on the managed device” on page 113

Printer driver installation failed for *printer_name*. The provided driver install file type is not supported

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: The Printer policy supports only .inf drivers.

Action: A .inf type driver along with all the dependent files can be zipped or tarred and uploaded using the policy. If you have a self-extracting exe, extract it to a temporary location, compress it into a .zip file, then distribute it through the policy.

Printer driver installation failed for *printer_name*. File extraction failed for *filename*

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: The policy cannot extract the zipped or tarred files for the driver because the file might be corrupted.

Action: Ensure that the files are not corrupted by manually extracting the .tar or .zip file, then include the .tar or .zip file in the policy.

Printer driver installation failed for *printer_name*. Check if provided drivers inf file is in proper format

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: This error message can occur if the driver .inf file is not in proper format, or the .inf file does not contain installation instructions for the driver’s model name.

Action: Extract the driver files and verify whether the driver's model name provided in the Printer policy is contained in the `.inf` file. The model name must exactly match the name contained in the file.

Unable to get iprint install file from the specified location in managed device, please check if file is there in specified location

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: The iPrint installer is not found on the managed device. This error message can occur if the location of the file is not correctly specified in the Printer policy, or the file resides in a shared network location and is not available to the Printer policy handler module.

Action: Ensure that the file exists on the managed device or it is directly associated to the Printer policy.

Unable to extract iprint client installer from the content

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: The iPrint client attached with the Printer policy is not available on the managed device. This error message can occur if the policy is enforced immediately after it's created.

Action: After creating the policy, wait for five to ten minutes before enforcing the policy, then try to log into the managed device.

Bad iprint install file. Unable to extract setupipp.exe file. Expectation is for a zip file which extracts setupipp.exe on the root. check the file mentioned for install

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: The Printer policy supports iPrint installation only in silent mode and does not require user intervention. Hence, `nipp-s.exe` or `nipp.zip` can be used, but not `nipp.exe`.

Action: If `nipp.zip` is used for installation, extract it to verify whether the installation file is correct and the extracted files contain `setupipp.exe`.

iPrint client install failed. Check if the provided iprint client supports silent install

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: The Printer policy supports iPrint installation only in silent mode and does not require a user intervention. Hence, `nipp-s.exe` or `nipp.zip` can be used, but not `nipp.exe`.

Action: If `nipp.zip` is used for installation, extract it to verify whether the installation file is correct and the extracted files contain `setupipp.exe`.

Failed to add smb printer *printer_name*

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: The SMB printer connection is not valid.

Action: Ensure that there is no problem in the network by using the UNC path to add the printer through the Windows Add Wizard.

Failed to add iprint printer *printer_name*

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: Verify whether the iPrint URL is correct. The iPrint URL must be specified in the format `ipp://server-address/ipp/printer name`.

Also, check if the iPrint client is installed on the target device. If the client is not installed, attach it through the Printer policy.

An incorrect error message that the iPrint policy could not be enforced is displayed on the managed device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: The iPrint policy might take some time to install an iPrint printer on a device, depending on the size of the iPrint printer driver and the network connectivity. In such a scenario, even if the iPrint printer is successfully installed on the device, an incorrect message that the iPrint policy could not be enforced is displayed on the managed device.

Action: Ignore the error message and refresh the device.

The correct message indicating that the policy has been successfully enforced is displayed on the device after a manual or automatic refresh.

A.9 Printer Policy Troubleshooting

- ♦ [“Unable to install a printer driver on Windows managed devices through the Printer Policy” on page 114](#)
- ♦ [“Unable to install the printer driver on a Windows Vista SP1 device” on page 114](#)
- ♦ [“Changing the iPrint printer driver on a server does not update the driver on the managed device” on page 115](#)

- ♦ “Unable to install or update the printer drivers on re-enforcing the policy” on page 115
- ♦ “Unable to install iPrint printer on a Windows 2000 managed device” on page 115
- ♦ “Unable to install iPrint printer on a Windows XP managed device” on page 115
- ♦ “Uninstall does not roll back the previously enforced Printer policies” on page 116
- ♦ “Installation of the iPrint printer fails on a device if the printer does not have the supported drivers” on page 116
- ♦ “Installation of the network printer might fail on a Windows Server 2008 R2 device” on page 116
- ♦ “Unable to enforce a printer policy on a managed device if the printer driver that is installed on the device is unsigned” on page 117
- ♦ “The Printer policy might fail to install an iPrint printer on a managed device if iPrint printer drivers are configured in the policy” on page 117
- ♦ “The Printer policy fails because of a handler timeout” on page 117
- ♦ “The Printer policy with a Samba or network printer installation does not complete as timeout for the Printer Driver installation command is not effective” on page 118
- ♦ “The user-assigned printers are not uninstalled at logout” on page 118
- ♦ “The iPrint policy fails when the iPrint client is uninstalled manually” on page 119

Unable to install a printer driver on Windows managed devices through the Printer Policy

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: A printer model name is represented in different ways on Windows managed devices. For example, the HP LaserJet 8100 Series PCL6 printer model is represented as HP LaserJet 8100 Series PCL 6 on Windows 2000. (Note that there is a space between PCL and 6).

While creating a Printer policy, you can manually specify the printer model or select it from a predefined list. If you select it from a predefined list, the printer is installed based on the model name defined in the list, which might not be the printer model name on the Windows managed device. For example, if you select HP LaserJet 8100 Series PCL6, the printer driver is installed only on the managed devices having the HP LaserJet 8100 Series PCL6 printer model. Consequently, the driver is not installed on the Windows 2000 managed device.

Action: While creating the Printer policy, ensure that the correct printer model name is specified.

Unable to install the printer driver on a Windows Vista SP1 device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If the printer driver contains more than one `.inf` file, the installation of the driver fails because the policy handler does not know which `.inf` file to use.

Action: While installing the printer driver, ensure that only the valid `.inf` file is available in the ZIP file. For example, if you download the HP 4700 Color LaserJet print drivers for Vista, the ZIP file contains more than one `.inf` file. Remove all the `.inf` files other than `hpc4700c.inf` because this is the only `.inf` file required to install the HP 4700 Color LaserJet print driver.

Changing the iPrint printer driver on a server does not update the driver on the managed device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If you update the iPrint printer driver on a server through a console such as iManager, the driver is not updated on the managed device.

Action: After updating the iPrint driver in iManager, perform the following steps to update the driver on the device:

- 1 In ZENworks Control Center, click **Policies**.
- 2 Select the policy, then click **Action > Disable Policies** to disable the policy.
- 3 Click **Quick Tasks > Refresh All Devices**.
- 4 Click **Action > Enable Policies** to enable the policy.
- 5 Click **Quick Tasks > Refresh All Devices**.

Unable to install or update the printer drivers on re-enforcing the policy

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: The Printer policy installs the printer driver during the first enforcement of the policy. If the driver is changed after the first enforcement of the policy, the new drivers are not installed or updated on the subsequent enforcement of the policy.

Action: Create a new printer policy with the new driver and assign it to the same device or user.

Unable to install iPrint printer on a Windows 2000 managed device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If a printer policy that is configured to install an iPrint printer on a managed device is assigned to a user who logs in to a Windows 2000 managed device, the iPrint printer is not installed on the device.

Action: Assign the printer policy to the device.

Unable to install iPrint printer on a Windows XP managed device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If a printer policy that is configured to install an iPrint printer on a managed device is assigned to a user who logs in to a Windows XP device that has an iPrint Client 4.x installed, the iPrint printer is not installed on the device.

Action: Do the following:

- 1 Uninstall the iPrint Client 4.x from the device.
- 2 Download the iPrint Client 5.x from the [Novell Downloads site \(http://download.novell.com/index.jsp\)](http://download.novell.com/index.jsp).
- 3 Install the iPrint Client 5.x on the managed device.

For more information on installing the iPrint Client, see [Step 11 in Section 3.5, "Printer Policy," on page 34](#)

Uninstall does not roll back the previously enforced Printer policies

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: The previously enforced printer policies does not roll back when ZENworks is uninstalled.

Action: Before uninstalling ZENworks, disassociate the Printer policy from the users or devices to unenforce the policy.

Installation of the iPrint printer fails on a device if the printer does not have the supported drivers

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If a printer configured in the iPrint policy has assigned drivers that are not supported by the operating system on the managed device, then the Installation of the printer fails.

For example, if a printer that has Windows XP and Windows Vista drivers is configured in a iPrint policy and the policy is assigned to a Windows 7 device, the installation of the printer on the Windows 7 device fails.

Action: Before assigning a iPrint policy to a device, ensure that the drivers assigned to the printer configured in the policy are supported by the operating system on the device.

Installation of the network printer might fail on a Windows Server 2008 R2 device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If you assign a Printer policy that has a Network printer configured for a Windows Server 2008 R2 device, the installation of the printer might fail if the Internet Printing Client is not installed on the device.

Action: Perform the following steps to install the Internet Printing Client on the device:

- 1 Click **Start > All Programs > Administrative Tools > Server Manager**.
- 2 In the Server Manager window, click **Features > Add Features**.
- 3 Select **Internet Printing Client**.
- 4 Click **Install**.
- 5 Restart the device.

Unable to enforce a printer policy on a managed device if the printer driver that is installed on the device is unsigned

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: The printer driver that is installed on the device has not been digitally signed by Microsoft.

Action: Enable using unsigned drivers in the printer policy:

- 1 On the device, right-click **My Computers > Properties**.
- 2 In the System Properties window, click **Hardware > Driver Signing**.
- 3 Select **Ignore - Install the software anyway and don't ask for my approval**.

The Printer policy might fail to install an iPrint printer on a managed device if iPrint printer drivers are configured in the policy

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: The iPrint policy might fail to install the iPrint printer on a device if iPrint printer drivers are configured in the policy. You must not add iPrint printer drivers in the Printer Driver Installation panel of a printer policy details page because the iPrint drivers are automatically downloaded from the iPrint servers when the iPrint printer is installed on the device.

Action: Edit the policy to remove the iPrint printers from the Driver List in the Printer Driver Installation panel of the printer policy details page.

The Printer policy fails because of a handler timeout

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: The printers that are being installed or configured might take a considerable amount of time because the devices need to access and then install the related printer drivers. This could result in a printer handler time-out.

Action: To set a default value that forces the Printer policy handler to wait for a set amount of time:

- 1 On a Windows managed device, open the Registry Editor.
- 2 Go to HKLM\Software\Novell\ZCM.
- 3 Create the `MaxZenPrinterProcessingTimeout` registry key with an appropriate timeout value, in seconds, depending on the number of printers to be configured. The default value is two minutes. If the value is too large it will slow down the login.

For more information on Registry Key, see [ZENworks Registry Keys Reference](#).

The Printer policy with a Samba or network printer installation does not complete as timeout for the Printer Driver installation command is not effective

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If you are planning to install a Samba or a network printer by using a Printer policy, the Printer driver installation command that is invoked might need to wait more than the default timeout of 40 sec before terminating.

This can be controlled by setting the appropriate timeout value for the printer driver install command to complete.

Action: To change the default wait time value for the installation or configuration of a network or Samba printer, perform the following:

- 1 On a Windows managed device, open the Registry Editor.
- 2 Go to HKLM\Software\Novell\ZCM\PrinterPolicy.
- 3 Change the value for the `PrintWaitTime` parameter from the default value of 40 seconds to 200 seconds or higher.

The user-assigned printers are not uninstalled at logout

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: You can choose to either install or uninstall the user-assigned printers at logout.

Action: To change the value of the user-assigned printers:

- 1 On a Windows managed device, open the Registry Editor.
- 2 Go to HKLM\SOFTWARE\Novell\ZCM.
- 3 To uninstall the user-assigned printers at logout, change the value of the `RemoveZenPrintersAtLogout` parameter to `True`.

If you do not want to uninstall the user-assigned printers at logout, change the value of the `RemoveZenPrintersAtLogout` parameter to `False`.

The iPrint policy fails when the iPrint client is uninstalled manually

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: When the iPrint client is uninstalled manually and you apply the iPrint policy again, it fails.

Action: Reboot the system after uninstalling the iprint client.

A.10 Roaming Profile Policy Errors

- ♦ *"The policy `policy_name` could not be successfully enforced as policy data was empty" on page 119*

The policy *policy_name* could not be successfully enforced as policy data was empty

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: Turn on debug logging on the managed device and refer to the `zmd-messages.log` file to obtain more details about the error. For more information on how to turn on debug logging, see "Using Message Logging" in the *ZENworks Control Center Reference*.

Action: If the problem persists, contact Novell Support (<http://www.novell.com/support>).

A.11 Roaming Profile Policy Troubleshooting

- ♦ *"Unable to enforce a Roaming Profile policy on a Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 device if the user profile is stored in a shared folder on a Windows Server 2003 device" on page 119*
- ♦ *"Windows 7 Roaming Profiles fails when user is assigned a temporary profile or fails to log on" on page 120*

Unable to enforce a Roaming Profile policy on a Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 device if the user profile is stored in a shared folder on a Windows Server 2003 device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If a Roaming Profile policy is assigned to a user who has not logged into a Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 device at least once before the policy was assigned, enforcing the policy fails on the device. This is because of insufficient permissions configured for the shared folder containing the user profile on the Windows Server 2003 device.

Action: Perform the following steps on the Windows Server 2003 device:

- 1 Create a local user account with the same credentials that the user specifies to log in to the Windows Vista, Windows 7, Windows Server 2008, or Windows Server 2008 R2 device.
For example, if the username is user1, create a local account with user1 credentials.
- 2 Create a folder named *username.v2*.
For example, user1.v2.
- 3 Right-click the folder, then click **Properties**.
- 4 Click **Sharing** and share the folder.
- 5 Click **Permissions** to provide Full Control permissions for the user, click **Apply**, then click **OK**.
- 6 Click **Security**.
- 7 In the Group or user names panel, click **CREATOR OWNER**, then click **Advanced**.
- 8 In the Advanced Security Settings box, click **Owner**.
- 9 Click **Other Users or Groups**.
- 10 In the Select User or Group dialog box, click **Advanced** to add this user as the current owner of the folder.
- 11 Click **OK**.
- 12 Provide Full Control permissions for the **CREATOR OWNER**.
- 13 Click **Apply**, then click **OK**.

Windows 7 Roaming Profiles fails when user is assigned a temporary profile or fails to log on

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: Perform the following:

- ♦ Ensure the Novell Client has the following:
 - ♦ Set **NetWare Client > Properties > Advanced Login > Allow Roaming User Profile Paths to non-Windows servers = ON**.
 - ♦ Refer to the Novell Client documentation, Setting Properties on a Single Workstation after Installation, at http://www.novell.com/documentation/vista_client/vista_client_admin/data/a311vcg.html#b856y7f

- ♦ Ensure that the home directory has been pre-populated with a default profile and the permissions set correctly.
 - ♦ The default user profile should be stored in the user's home directory in a subdirectory named exactly as, **Windows NT 6.1 Workstation Profile.V2**.
- ♦ Ensure that any LDAP Proxy users used by ZCM have Read and Compare rights to the user's Home Directory attribute.
- ♦ Remove all duplicate entries for the user under `HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows NT\CurrentVersion\ProfileList` and try logging on again.

A.12 SNMP Policy Errors

- ♦ *"The policy `policy_name` could not be successfully enforced due to an error" on page 121*
- ♦ *"The policy `policy_name` could not be successfully enforced as policy data was empty" on page 121*

The policy *`policy_name`* could not be successfully enforced due to an error

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: An internal error was occurred while configuring the policy.

Action: Turn on debug logging on the managed device and refer to the `zmd-messages.log` file to obtain more details about the error. For more information on how to turn on debug logging, see *"Using Message Logging"* in the *ZENworks Control Center Reference*.

Action: If the problem persists, contact [Novell Support \(http://www.novell.com/support\)](http://www.novell.com/support).

The policy *`policy_name`* could not be successfully enforced as policy data was empty

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: The agent did not receive the data to be configured on the managed device.

Action: Review the policy content in ZENworks Control Center.

A.13 Windows Group Policy Errors

- ♦ *"Error while enforcing the policy `policy_name`" on page 122*
- ♦ *"The policy `policy_name` was not applied" on page 122*
- ♦ *"The security settings in policy `polycname` were not applied" on page 122*

- ♦ “The Windows Hotfix “KB897327” required for exporting and applying Group policy security settings on Windows XP was not found. Computer configuration security settings could not be exported/applied” on page 123
- ♦ “Error while unenforcing Group policy settings” on page 123
- ♦ “Error while cleaning up Group policy settings at logout for user *username*” on page 123
- ♦ “Error while accessing content for policy *policy_name*” on page 123
- ♦ “Some security settings could not be configured” on page 124
- ♦ “To operate on security settings, Windows XP Hotfix KB897327 is required” on page 124
- ♦ “Failure importing group policy settings” on page 124

Error while enforcing the policy *policy_name*

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: Turn on debug logging on the managed device and refer to the `zmd-messages.log` file to obtain more details about the error. For more information on how to turn on debug logging, see “Using Message Logging” in the *ZENworks Control Center Reference*.

Action: If the problem persists, contact [Novell Support \(http://www.novell.com/support\)](http://www.novell.com/support).

The policy *policy_name* was not applied

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: Ensure that the managed device meets the ZENworks Configuration Management requirements. For more information about the managed device system requirements, see the *ZENworks Server Installation*.

The security settings in policy *polycyname* were not applied

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: The security settings are not applied if a local group policy is created on a higher version of Windows but applied to a managed device that is running a lower version of Windows.

Action: Ensure that the ZENworks server and the managed device meet the ZENworks Configuration Management requirements. For more information about the managed device system requirements, see the *ZENworks Server Installation*.

The Windows Hotfix "KB897327" required for exporting and applying Group policy security settings on Windows XP was not found. Computer configuration security settings could not be exported/applied

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: This message is logged if the Hotfix KB897327 is not applied on Windows XP SP1 or SP2 device before the policy is applied. The Hotfix is required for security settings to be configured on the managed device.

Action: Install Windows Hotfix KB897327 on the Windows XP SP1 or SP2 managed device from the [Microsoft Support Web site \(http://support.microsoft.com/KB/897327\)](http://support.microsoft.com/KB/897327).

Error while unenforcing Group policy settings

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: Turn on debug logging on the managed device and refer to the `zmd-messages.log` file to obtain more details about the error. For more information on how to turn on debug logging, see "Using Message Logging" in the [ZENworks Control Center Reference](#).

Action: If the problem persists, contact [Novell Support \(http://www.novell.com/support\)](http://www.novell.com/support).

Error while cleaning up Group policy settings at logout for user *username*

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: Turn on debug logging on the managed device and refer the `zmd-messages.log` file to obtain more details about the error. For more information on how to turn on debug logging, see "Using Message Logging" in the [ZENworks Control Center Reference](#).

Action: If the problem persists, contact [Novell Support \(http://www.novell.com/support\)](http://www.novell.com/support).

Error while accessing content for policy *policy_name*

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: The error occurs if the managed device is immediately refreshed after the policy was created and assigned. Hence, the content for the policy might have not been completely processed at the server.

Action: Wait for five minutes and refresh the managed device.

Some security settings could not be configured

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Possible Cause: This message is logged if some of the security settings of a policy are not applied on the managed device.

Action: Contact [Novell Support](http://www.novell.com/support) (<http://www.novell.com/support>).

To operate on security settings, Windows XP Hotfix KB897327 is required

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: The error message might occur while creating or editing group policies for Windows XP SP1 or SP2 managed device.

Possible Cause: The Windows Hotfix KB897327 is not installed on the Windows XP SP1 or SP2 managed device.

Action: Ignore the error message if you are not configuring security settings in the Windows Group policy.

Action: Install Windows Hotfix KB897327 on the Windows XP SP1 or SP2 managed device from the [Microsoft Support Web site](http://support.microsoft.com/KB/897327) (<http://support.microsoft.com/KB/897327>).

Failure importing group policy settings

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: When `gpedit.msc` is closed, the GPHelper displays the error message with the ID `POLICYHANDLERS.WinGPPolicy.ExportFailure`.

Possible Cause: The Windows Hotfix KB897327 is not installed on the Windows XP SP1 or SP2 managed device.

Action: Ignore the error message if you are not configuring security settings in the Windows Group policy.

Action: Install Windows Hotfix KB897327 on the Windows XP SP1 or SP2 managed device from the [Microsoft Support Web site](http://support.microsoft.com/KB/897327) (<http://support.microsoft.com/KB/897327>).

A.14 Windows Group Policy Troubleshooting

- ♦ “User associated Group Policy Object does not persist after logging out of the device” on page 126
- ♦ “The Group Policy Helper tool is not backward compatible with the earlier versions of ZENworks Configuration Management releases” on page 126
- ♦ “Favorites configured by using the Group policy are not cleared when the group policy is unenforced” on page 126

- ♦ “Internet Explorer Settings configured in the Group policy are not applied on the Internet Explorer” on page 126
- ♦ “Security settings of the Windows Group policy are not effective on the device” on page 127
- ♦ “The Security settings configured in the Windows Group policy are not applied on a Windows XP SP1 or SP2 managed device” on page 127
- ♦ “Unable to launch the Group Policy Helper tool on a Windows Vista or Windows 7 device” on page 127
- ♦ “Policy Enforcement status is not properly displayed” on page 128
- ♦ “Unable to export Group policy content” on page 128
- ♦ “Log-on and Log-off scripts that launch GUI applications do not functional properly on terminal server and Windows Vista devices” on page 128
- ♦ “Assigning an Active Directory Group policy to a user or a device might generate event logs on the device” on page 129
- ♦ “Group policy created on a device with a specific operating system is not enforced on a device with a different operating system” on page 129
- ♦ “Scripts configured through Active Directory Group policy are not enforced on a device” on page 129
- ♦ “Security settings that have not been configured in a ZENworks Group Policy are also enforced on a managed device when the ZENworks Group Policy is enforced on the managed device” on page 130
- ♦ “The screen remains blank after logging into a terminal server” on page 130
- ♦ “Partial failure of Group Policy unenforcement settings” on page 130
- ♦ “Users need to log in again on a managed device, even though the setting for a forced login is not selected” on page 131
- ♦ “Security settings are not applied randomly for Group policies at device startup” on page 131
- ♦ “Group policy user settings are not always enforced for a user if there is no change in the user-assigned group policy from a previous login” on page 131
- ♦ “While creating group policy, **Failure importing group policy setting error message appears**” on **page 132**
- ♦ “ZENworks plug-ins installed on a device do not show up in the Managed add-ons list in Internet Explorer 8” on page 132
- ♦ “Group Policy helper installed using Internet Explorer might not be enabled on Firefox” on page 132
- ♦ “When you try to launch Group Policy helper, it shows the error message, **Another instance of Group Policy helper is running even if there is no running, instance of the Helper**” on **page 132**
- ♦ “Group Policy Helper does not work on Internet Explorer 10 in Enable Protected Mode” on page 133
- ♦ “On a Windows 8.1 machine, logon related group policy settings does not work as expected” on page 134

User associated Group Policy Object does not persist after logging out of the device

Explanation: User associated Group Policy Object (GPO) does not persist after logging out of the device. The device GPO state rolls back to pre-zenworks state and workstation cache is applied.

Action: On the device create PersistPolicyatUserLogout registry key. For more information on PersistPolicyatUserLogout registry key, see the [ZENworks Registry Keys Reference](#).

Limitations of using the PersistPolicyatUserLogout key

- ♦ The registry key can be set only on ZENworks 2017 Update 2 or later managed devices.
- ♦ The Registry key cannot be applied to a Terminal Server.

NOTE: It is recommended that this registry key must be used only if same user logs into the device.

The Group Policy Helper tool is not backward compatible with the earlier versions of ZENworks Configuration Management releases

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: Install the version of the Group Policy Helper tool available with the corresponding ZENworks Configuration Management release.

Favorites configured by using the Group policy are not cleared when the group policy is unenforced

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If you use the [Internet Explorer Maintenance](#) settings of the Group policy to configure favorites, the favorites are not cleared when the Group policy is unenforced.

Action: Use the Browser Bookmark policy to configure the favorites.

Internet Explorer Settings configured in the Group policy are not applied on the Internet Explorer

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: On launching the Internet Explorer browser, the [runonce \(http://runonce.msn.com/runonce2.aspx\)](http://runonce.msn.com/runonce2.aspx) page is displayed instead of the home page configured in the Group policy.

Action: On the [runonce](http://runonce.msn.com/runonce2.aspx) (<http://runonce.msn.com/runonce2.aspx>) page, follow the on-screen prompts to configure the settings.

Security settings of the Windows Group policy are not effective on the device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If the security settings are not configured in the Windows Group policy, the policy uses the default security settings of the device on which it was created. When more than one Windows Group policy is applied to a device, the security settings of the last applied policy are effective on the device.

Action: If you assign multiple policies to a device, ensure that the policy whose security settings you want to be effective on the device is applied last on the device.

The Security settings configured in the Windows Group policy are not applied on a Windows XP SP1 or SP2 managed device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Action: On the Windows XP SP1 or SP2 managed device, install Windows Hotfix KB897327 from the [Microsoft Support Web site](http://support.microsoft.com/KB/897327) (<http://support.microsoft.com/KB/897327>).

Unable to launch the Group Policy Helper tool on a Windows Vista or Windows 7 device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: The Group Policy Helper tool does not launch on a Windows 7/Vista device if the User Account Control (**Start > Settings > Control Panel > User Accounts**) is enabled and Mozilla Firefox or any other browser is used.

Action: Configure the Internet Explorer or Mozilla Firefox browser to run with administrator credentials.

- ♦ To configure Internet Explorer or Mozilla Firefox for a session, right-click the selected browser's shortcut icon on the desktop, then select **Run as administrator**.
- ♦ To configure the Internet Explorer or Mozilla Firefox browser permanently:
 1. On the desktop, right-click the selected browser's shortcut icon and select **Properties**. Click the **Shortcut** tab, then click the **Advanced** button. In the Advanced Properties dialog box, select **Run as administrator**.or

In Windows Explorer, navigate to the Internet Explorer or Mozilla Firefox executable file, right-click the file, then select **Properties**. Click the **Compatibility** tab, then select **Run this program as an administrator**.

2. Restart the browser.

For more information, see TID 7013019 in the [Novell Support Knowledgebase](http://www.novell.com/support/search.do?usemicrosite=true&searchString=7013019) (<http://www.novell.com/support/search.do?usemicrosite=true&searchString=7013019>)

Policy Enforcement status is not properly displayed

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If you assign more than one policy to a user or a device, the policy enforcement status is not properly displayed. The consolidated status of a Group policy is displayed in the ZENworks icon only for the last enforced policy. That is, if any of the Group policies fail, the last effective policy is displayed in the ZENworks icon as **Failed** and rest of the policies are displayed as **Success**.

Possible Cause: The consolidated settings are applied only for the last policy.

Action: None.

Unable to export Group policy content

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If you use the `zman` command to export a policy with content, the content (.zip file) is not exported.

Action: Perform the following steps:

1. In ZENworks Control Center, edit the policy you want to export.
2. Click **Upload** to upload the policy settings to the content server.
3. The Upload Confirm dialog box displays the name of the .zip file that stores the policy settings. Copy the .zip file to the required location, such as `c:\`.
4. Run the `zman petf` command to export the policy to an XML file, such as `export.xml`.
For example, `zman petf \policies c:\export.xml`.
5. Edit the `export_actioncontentinfo.xml` file to update the path of the .zip file.

Log-on and Log-off scripts that launch GUI applications do not functional properly on terminal server and Windows Vista devices

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: On the terminal server and Windows Vista devices, the log-on and log-off scripts launching GUI applications do not function properly because the Graphical User Interface is not launched on the desktop.

Action: Use Directive bundles to launch the GUI applications:

- 1 Create a Directive bundle.
- 2 Add a Launch Windows Executable action to launch a GUI application, such as mspaint.
- 3 Assign the bundle to a device.
- 4 Select **Launch Schedule**, then select the schedule type as **Event**.
- 5 Select the **User Login** or **User Logout** event to trigger the schedule.

Assigning an Active Directory Group policy to a user or a device might generate event logs on the device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If you configure an Active Directory Group policy and assign the policy to a user or a device, event logs might be generated on the device even if the policy is successfully enforced on the device.

Action: Ignore the event logs.

Group policy created on a device with a specific operating system is not enforced on a device with a different operating system

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: The Windows Group policy containing the local group policy settings is not applied on a device if the operating system of the device where the policy is applied is different from the operating system of the device where the policy is created.

Action: Remove the Operating System specific System Requirement from the Windows Group policy and then apply the policy.

However, the security settings are applied only if the operating system version of the device where the policy is applied is later than the operating system version of the device where the policy is created.

Scripts configured through Active Directory Group policy are not enforced on a device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: The scripts configured through Active Directory group policy are not enforced on a device even though the policy displays success in the ZENworks Agent Policies page. However, the other settings if any configured in the policy are enforced on the device.

Action: Configure scripts through Local Group policy.

Security settings that have not been configured in a ZENworks Group Policy are also enforced on a managed device when the ZENworks Group Policy is enforced on the managed device

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If you create a Windows Group policy through the ZENworks Control Center of a device that already has some security settings configured and assign this policy to a managed device, the security settings that were configured on the device, on which you created the group policy, are also applied on the managed device.

Action: To remove all the previously configured security settings on a device, run the following command before you launch the ZENworks Control Center on the device to create the Group policy:

```
secedit /configure /cfg %windir%\repair\secsetup.inf /db  
secsetup.sdb /verbose
```

The screen remains blank after logging into a terminal server

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: Relaunching of Windows Explorer may have failed.

Action: To manually launch the explorer perform the following steps:

1. Press Ctrl+Shift+Esc to launch the Windows Task Manager.
2. Select **File > New Task (Run)**
3. In the Create New Task pane, enter *explorer*.
4. Click **OK**, to launch the Windows Explorer.

Partial failure of Group Policy unenforcement settings

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: When Group Policy settings are unenforced on a device, URLs added in **Favorites** and **Links** do not get removed.

Action: To unenforce the Group Policy settings and restore the system to a clean state, make sure you select the option **Delete Existing Favorites and Links, if present**, when the system is in the default state prior to applying any policies.

Users need to log in again on a managed device, even though the setting for a forced login is not selected

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: After applying an updated Windows Group Policy on a managed device, logged-in users are forced to log out even though the **After enforcement, force a re-login on the managed device, if necessary** setting is not selected.

Action: To ensure that a user does not need to log in again to the managed device, deselect the **After enforcement, force a re-login on the managed device, if necessary** option on any Roaming Profile Policy that is associated with the same user or device.

For more information, see TID 7007600 in the [Novell Support Knowledgebase](http://www.novell.com/support/search.do?usemicrosite=true&searchString=7007600) (<http://www.novell.com/support/search.do?usemicrosite=true&searchString=7007600>).

Security settings are not applied randomly for Group policies at device startup

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: Security settings are not applied randomly for Group policies at device startup if Haspolicychanged flag is false.

Action: Even if there is no change in the Group policy, you can apply Group policy again at device start up:

- 1 On a Windows managed device, open the Registry Editor.
- 2 Go to HKLM\Software\Novell\ZCM\GroupPolicy.
- 3 Configure the ReApplyPolicyatDeviceStartup registry key, with any string value other than Null.

If configured, the device assigned Group policy gets processed, even if the value of the Haspolicychanged parameter is False.

Group policy user settings are not always enforced for a user if there is no change in the user-assigned group policy from a previous login

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If you have assigned Group policy settings to a user, and there is no change in the policy from the previous enforcement, the settings might not apply on a logged-in user.

Action: To configure the Group policy settings:

- 1 On a Windows managed device, open the Registry Editor.
- 2 Go to HKLM\Software\Novell\ZCM\GroupPolicy.

- 3 Configure the ReApplyPolicyatUserPredeskTop registry key with any string value other than Null.

If you configure this registry key, logging in might be slow.

While creating group policy, Failure importing group policy setting error message appears

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: While creating group policy, **Failure importing group policy settings** error message appear when VC++ 2012 re-distribute package is not installed or MSVCR110.dll is not available in the machine.

Action: Install the VC++ 2012 re-distribute package.

ZENworks plug-ins installed on a device do not show up in the Managed add-ons list in Internet Explorer 8

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: ZENworks plug-ins installed on a device do not appear in the Managed addons list in Internet Explorer 8. Example: Group policy helper plug-in works fine, but does not appear in the managed add-ons list.

Action: Reset the Internet Explorer settings. This will affect the previously configured IE settings. Once listed, the addons can be enabled or disabled. Use the workaround only if it is really necessary to enable or disable the add-on.

Group Policy helper installed using Internet Explorer might not be enabled on Firefox

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If Group Policy helper is installed from Internet Explorer, add-ons might not show up in Firefox.

Action: Manually enable Group Policy helper on Firefox.

When you try to launch Group Policy helper, it shows the error message, Another instance of Group Policy helper is running even if there is no running, instance of the Helper

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: When you try to launch Group Policy helper, it shows an error message, **Another instance of Group Policy helper is running**, even if there is no running instance of the Helper.

Possible Cause: Previously, Group Policy helper was abruptly closed during the creation of or editing of a Group Policy.

Action: Manually delete the registry key `HelperThreadId` and `ToolRunning` from `HKEY_CURRENT_USER\Software\Novell\ZCM\GroupPolicy\Helper`.

Group Policy Helper does not work on Internet Explorer 10 in Enable Protected Mode

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: Group Policy Helper does not work on Internet Explorer 10 in Enable Protected Mode (EPM).

Action: Open Internet Explorer 10 in **Run as administrator** mode.

or

Configure the following:

- 1 Open Internet Explorer.
- 2 Go to **Tools > Internet Options > Security > Local Intranet**.
- 3 Set the **Enable Protected Mode** check box.
- 4 Ensure that the following ActiveX parameter settings under **Tools > Internet Options > Security** are as shown in the table below:

ActiveX Controls and Plug-ins	Local Intranet	Trusted Sites
Allow ActiveX Filtering	Disable	Disable
Allow previously unused ActiveX controls to run without prompt	Enable	Enable
Allow Scriptlets	Enable	Enable
Automatic prompting for ActiveX controls	Enable	Enable
Binary and script behaviours	Enable	Enable
Display video and animation on a webpage that does not use external media player	Disable	Disable
Download signed ActiveX controls	Enable	Enable
Download unsigned ActiveX controls	Enable	Enable
Only allow approved domains to use ActiveX without prompt	Enable	Enable
Run ActiveX controls and plugins	Enable	Enable
Script ActiveX controls marked safe for Scripting	Enable	Enable
Enable Enhanced Protected Mode	Enable	Disable

NOTE: Add the URLs to Trusted Sites. Ensure that you add URLs of all Primary Servers that are used to create group policies.

On a Windows 8.1 machine, logon related group policy settings does not work as expected

Source: ZENworks Configuration Management; Policy Management; Windows Configuration Policy.

Explanation: If required Windows update package is not present on a Windows 8.1 machine then, group policy refresh operation does not complete when the user logs out. It completes on next logon. As a result, logon related Group Policy setting do not work as expected.

Possible Cause: Windows updates KB2919394 and KB2911106 are not installed.

Action: Along with other important Windows update, ensure to install KB2919394 and KB2911106 optional updates. And ensure that, **Interactive Logon: Do not require CTRL+ALT+DEL** setting is set to **Disabled** in applied Group Policy.

NOTE: Ensure that there is atleast a gap of 30 sec between log off and log on.

B Best Practices

The following sections contain information on the best practices to follow when using the Novell ZENworks Configuration Management policies:

- ♦ [Section B.1, “Local File Rights Policy,” on page 135](#)
- ♦ [Section B.2, “Dynamic Local User Policy,” on page 135](#)
- ♦ [Section B.3, “Roaming Profile Policy,” on page 135](#)
- ♦ [Section B.4, “SNMP Policy,” on page 136](#)
- ♦ [Section B.5, “Windows Group Policy,” on page 136](#)
- ♦ [Section B.6, “Printer Policy,” on page 136](#)

B.1 Local File Rights Policy

- ♦ For information on managing access control to files and folders, see [Microsoft’s Access Control Best Practices Web site \(http://technet.microsoft.com/en-us/library/cc778399%28v=WS.10%29.aspx\)](http://technet.microsoft.com/en-us/library/cc778399%28v=WS.10%29.aspx).

B.2 Dynamic Local User Policy

- ♦ If the Novell Client is installed, ensure that it is the latest version of the Novell Client before the Dynamic Local User policy is enforced. To obtain the latest version of Novell Client, see the [Novell Download Web site \(http://download.novell.com/index.jsp\)](http://download.novell.com/index.jsp).
- ♦ If a Dynamic Local User policy that has no login restrictions configured is assigned to a managed device, the time taken to log in to the managed device can be significantly improved by adding a DonotFetchUserGroups registry key as follows:
 1. Open the Registry Editor.
 2. Go to HKLM\Software\Novell\ZCM\AgentSettings.
 3. Create a String called DonotFetchUserGroups and set its value to True.

B.3 Roaming Profile Policy

- ♦ The local user account must have the same username and password on both the managed device and the shared server that has the user profile stored because Windows authenticates the user before loading or saving the profile across the devices.
- ♦ Provide the necessary permission on the shared location to users whose profile is configured for roaming.

B.4 SNMP Policy

- ♦ Ensure that the SNMP service is running before applying the SNMP policy.

B.5 Windows Group Policy

- ♦ Do not apply the Windows Group policy on Windows 2000 or Windows 2003 domain controllers.
- ♦ Do not apply the Windows Group policy to a Windows managed device that is a part of the Microsoft domain and has a group policy from the Windows domain controller applied. The ZENworks Windows Group policy must be applied only if the group policy from the Windows domain controller is not applied.
- ♦ If you want the Windows Group policy settings to be applied to all users of a device, the settings must be configured as a part of a device-assigned policy. The user-assigned policies must contain only the configuration settings specific to the user to whom the policy is assigned.
- ♦ If you apply Local Group policies on a managed device that has ZENworks Group policies already applied, some of the settings might not work correctly.
- ♦ If you want to configure the security settings for a ZENworks Group Policy on a newly installed 64-bit Windows device, launch and close the Group Policy editor, `gpedit.msc`, before running the Group Policy Helper tool.

B.6 Printer Policy

You must not edit the Printer policy to add iPrint printer drivers in the Printer Driver Installation panel of a printer policy details page. This is because the iPrint drivers are automatically downloaded from the iPrint servers when the iPrint printer is installed on a device. However, you can add local or network printer drivers to the drivers list if the policy has local or network printers configured.

C iPrint Policy Management Utility

The iPrint Policy Management (IPPman) utility allows you to perform repetitive and mass operations on printer policies that have an iPrint printer matching a specific iPrint URI or a specific search criteria. You can use this utility to migrate the iPrint printers from one iPrint server to another.

The IPPman utility enables you to create, clone, rename, modify, and delete the iPrint objects by editing the existing printer policies that have iPrint printers. You can also export and import the iPrint printer configurations for all the policies that match specific printer URI criteria.

The following sections contain more information on this utility:

- ♦ [Section C.1, “Installing the IPPman Utility,” on page 137](#)
- ♦ [Section C.2, “Using IPPman Commands to Configure iPrint Printers,” on page 138](#)
- ♦ [Section C.3, “Understanding the Format of the iPrint Printer Configuration File,” on page 145](#)
- ♦ [Section C.4, “Printing Preferences for an iPrint Printer,” on page 146](#)
- ♦ [Section C.5, “iPrint Printer List Import File Format,” on page 146](#)

C.1 Installing the IPPman Utility

The IPPman utility is installed by default in the ZENworks installation directory of the ZENworks Configuration Management server. However, you might need to manually install the utility on a device in the following scenarios:

- ♦ Migrate an iPrint printer from one device to another.
 - ♦ Install the utility on a device that is not a ZENworks server.
- 1 Copy the `ippmanagement.zip` file from the `ZENworks_installation_directory\microfocus\zenworks\install\downloads\tools` directory to a temporary location.
or
Download the file from ZENworks Control Center (in the Common Tasks, click **Download ZENworks Tools > Administrative Tools**).
 - 2 Extract the `ippmanagement.zip` file to a temporary location.
 - 3 Set the `IPPMAN_HOME` environment variable to the directory where you extracted IPPman.
 - 4 Set the `JAVA_HOME` environment variable to the JDK installation directory.
 - 5 At the command prompt of the device, go to the directory where the `.zip` contents are extracted and run `ippman.bat` from the `bin` folder.

C.2 Using IPPman Commands to Configure iPrint Printers

You can configure iPrint printers by using ZENworks Control Center or by using the `zman` command line utility. In addition, you can use the IPPman utility to perform repetitive and mass operations on printer policies that have an iPrint printer matching a specific iPrint URI or matching a specific search criteria.

For more information on creating printer policies by using ZENworks Control Center, see [Section 3.5, “Printer Policy,” on page 34](#).

For more information on creating printer policies by using `zman` command line utility, see [“ZENworks Command Line Utilities Reference”](#).

Review the following sections for more information on using the IPPman commands:

- ♦ [Section C.2.1, “Creating an iPrint Printer,” on page 138](#)
- ♦ [Section C.2.2, “Cloning an iPrint Printer,” on page 139](#)
- ♦ [Section C.2.3, “Renaming an iPrint Printer,” on page 140](#)
- ♦ [Section C.2.4, “Modifying an iPrint Printer,” on page 141](#)
- ♦ [Section C.2.5, “Deleting an iPrint Printer,” on page 142](#)
- ♦ [Section C.2.6, “Exporting iPrint Printer,” on page 143](#)
- ♦ [Section C.2.7, “Importing an iPrint Printer,” on page 144](#)

C.2.1 Creating an iPrint Printer

To create a new iPrint printer configuration for all the policies that match specific printer URI criteria:

- 1 Create the iPrint printer configuration file.

For information on creating the iPrint printer configuration file, see [Section C.3, “Understanding the Format of the iPrint Printer Configuration File,” on page 145](#).

- 2 Use the `ippman create` command to create a new iPrinter printer for all the printer policies that have an iPrint printer with the URI specified in the command.

The printer name and the printing preferences for the new iPrinter printer are specified in the iPrint printer configuration file.

- ♦ On a ZENworks server, enter the command as follows:

```
ippman create -uri iprint_printer_uri -conf  
iprint_printer_configuration file -username username -password  
password
```

Example:

```
ippman create -uri ipp://10.0.0.0/ipp/Printer1 -conf  
"c:\printerdata.xml" -username Administrator -password xxxxx
```

- ♦ On a device other than the ZENworks server, enter the command as follows:

```
ippman create -uri iprint_printer_uri -conf  
iprint_printer_configuration file -server ZENworks_server_ip -port  
port_number -username username -password password
```

Example:

```
ippman create -uri ipp://10.0.0.0/ipp/Printer1 -conf  
"c:\\printerdata.xml" -server 10.0.0.0 -port 7443 -username  
Administrator -password xxxxx
```

Table C-1 Options Used with the Create Command

Option	Description
uri	URI of the iPrint printer to search.
conf	iPrint printer configuration file containing the printer name and the printing preferences.
username and password	Credentials of the ZENworks administrator.
server	IP address of the ZENworks server.
port	Port of the ZENworks server. The default port is 7443.

To refer to the online help for the command, enter the following command:

```
ippman create -help
```

C.2.2 Cloning an iPrint Printer

To clone the iPrint printer configuration for all policies that match specific printer URI criteria, use the `ippman clone` command.

This command creates a new iPrinter printer for all the printer policies that have an iPrint printer with the URI specified in the command. The URI of the new iPrint printer is also specified in the command. The cloned printer has the same printing preferences as the original printer.

- ♦ On a ZENworks server, enter the command as follows:

```
ippman clone -uri iprint_printer_uri -uri2 iprint_printer_uri_for_clone  
-default true/false -updatedriver true/false -username username -  
password password
```

Example:

```
ippman clone -uri ipp://10.0.0.0/ipp/Printer -uri2 ipp://10.0.0.0/ipp/  
Printer1 -default true -updatedriver true -username Administrator -  
password xxxxx
```

- ♦ On a device other than the ZENworks server, enter the command as follows:

```
ippman clone -uri iprint_printer_uri -uri2 iprint_printer_uri_for_clone  
-default true/false -updatedriver true/false -server ZENworks_server_ip  
-port port_number -username username -password password
```

Example:

```
ippman clone -uri ipp://10.0.0.0/ipp/Printer -uri2 ipp://10.0.0.0/ipp/  
Printer1 -default true -updatedriver true -server 10.0.0.0 -port 7443 -  
username Administrator -password xxxxx
```


Table C-2 Options Used with the Clone Command

Option	Description
uri	URI of the iPrint printer to search.
uri2	URI of the iPrint printer to clone.
default	Whether this is the default printer. The available options are true or false.
updatedriver	Update the printer driver. The available options are true or false.
username and password	Credentials of the ZENworks administrator.
server	IP address of the ZENworks server.
port	Port of the ZENworks server. The default port is 7443.

To refer to the online help for the command, enter the following command:

```
ippman clone -help
```

After cloning an iPrint printer, you can choose to delete the original iPrint printer. For more information on deleting the iPrint printer, see [Section C.2.5, “Deleting an iPrint Printer,” on page 142](#).

C.2.3 Renaming an iPrint Printer

To rename the iPrint printer configuration for all policies that match specific printer URI criteria, use the `ippman rename` command.

- ♦ On a ZENworks server, enter the command as follows:

```
ippman rename -uri iprint_printer_uri -uri2 renamed_iprint_printer_uri
-default true/false -updatedriver true/false -username username -
password password
```

Example:

```
ippman rename -uri ipp://10.0.0.0/ipp/Printer -uri2 ipp://10.0.0.0/ipp/Printer1
-default true -updatedriver true -username Administrator -
password xxxxx
```

- ♦ On a device other than the ZENworks server, enter the command as follows:

```
ippman rename -uri iprint_printer_uri -uri2 renamed_iprint_printer_uri
-default true/false -updatedriver true/false -server ZENworks_server_ip
-port port_number -username username -password password
```

Example:

```
ippman rename -uri ipp://10.0.0.0/ipp/Printer -uri2 ipp://10.0.0.0/ipp/Printer1
-default true -updatedriver true -server 10.0.0.0 -port 7443 -
username Administrator -password xxxxx
```

Table C-3 Options Used with the Rename Command

Option	Description
uri	URI of the iPrint printer to search.
uri2	URI of the iPrint printer to rename.
default	Whether this is the default printer. The available options are true or false.
updatedriver	Update the printer driver. The available options are true or false.
username and password	Credentials of the ZENworks administrator.
server	IP address of the ZENworks server.
port	Port of the ZENworks server. The default port is 7443.

To refer to the online help for the command, enter the following command:

```
ippman rename -help
```

C.2.4 Modifying an iPrint Printer

To create a new iPrint printer configuration for all policies that match specific printer URI criteria, and modify the default settings:

- 1 Create the iPrint printer configuration file.

For information on creating the iPrint printer configuration file, see [Section C.3, “Understanding the Format of the iPrint Printer Configuration File,” on page 145](#).

- 2 Use the `ippman modify` command.

- ♦ On a ZENworks server, enter the command as follows:

```
ippman modify -uri iprint_printer_uri -conf  
iprint_printer_configuration file -username username -password  
password
```

Example:

```
ippman modify -uri ipp://10.0.0.0/ipp/Printer1 -conf  
"c:\\printerdata.xml" -username Administrator -password xxxxx
```

- ♦ On a device other than the ZENworks server, enter the command as follows:

```
ippman modify -uri iprint_printer_uri -conf  
iprint_printer_configuration file -server ZENworks_server_ip -port  
port_number -username username -password password
```

Example:

```
ippman modify -uri ipp://10.0.0.0/ipp/Printer1 -conf  
"c:\\printerdata.xml" -server 10.0.0.0 -port 7443 -username  
Administrator -password xxxxx
```

Table C-4 Options Used with the Modify Command

Option	Description
uri	URI of the iPrint printer to search.
conf	iPrint Printer Configuration file containing the printer name and the printing preferences.
username and password	Credentials of the ZENworks administrator.
server	IP address of the ZENworks server.
port	Port of the ZENworks server. The default port is 7443.

To refer to the online help for the command, enter the following command:

```
ippman modify -help
```

C.2.5 Deleting an iPrint Printer

To delete a new iPrint printer configuration for all policies that match specific printer URI criteria, use the `ippman delete` command.

- ♦ On a ZENworks server, enter the command as follows:

```
ippman delete -uri iprint_printer_uri -username username -password  
password
```

Example:

```
ippman delete -uri ipp://10.0.0.0/ipp/Printer1 -username Administrator  
-password xxxxx
```

- ♦ On a device other than the ZENworks server, enter the command as follows:

```
ippman delete -uri iprint_printer_uri -server ZENworks_server_ip -port  
port_number -username username -password password
```

Example:

```
ippman delete -uri ipp://10.0.0.0/ipp/Printer1 -server 10.0.0.0 -port  
7443 -username Administrator -password xxxxx
```

Table C-5 Options Used with the Delete Command

Option	Description
uri	URI of the iPrint printer to delete.
username and password	Credentials of the ZENworks administrator.
server	IP address of the ZENworks server.
port	Port of the ZENworks server. The default port is 7443.

To refer to the online help for the command, enter the following command:

```
ippman delete -help
```

C.2.6 Exporting iPrint Printer

To export the iPrint printer configuration for all policies that match a specific printer URI criteria, use the `ippman export` command.

- ♦ On a ZENworks server, enter the command as follows:

```
ippman export -uri iprint_printer_uri -folder export_folder -username  
username -password password
```

Example:

```
ippman export -uri ipp://10.0.0.0/ipp/Printer1 -folder "c:\\export" -  
username Administrator -password xxxxx
```

- ♦ On a device other than the ZENworks server, enter the command as follows:

```
ippman export -uri iprint_printer_uri -folder export_folder -server  
ZENworks_server_ip -port port_number -username username -password  
password
```

Example:

```
ippman export -uri ipp://10.0.0.0/ipp/Printer1 -folder "c:\\export" -  
server 10.0.0.0 -port 7443 -username Administrator -password xxxxx
```

Table C-6 Options Used with the Export Command

Option	Description
uri	URI of the iPrint printer to search.
folder	Folder to which the XML files containing the iPrint printer configuration is exported. For every printer policy that matches the search criteria, an XML file is created. The XML file is named <i>polycyname_policyUID</i> . where polycyname is the name of the printer policy and policyUID is the unique ID of the printer policy.
username and password	Credentials of the ZENworks administrator.
server	IP address of the ZENworks server.
port	Port of the ZENworks server. The default port is 7443.

To refer to the online help for the command, enter the following command:

```
ippman export -help
```

C.2.7 Importing an iPrint Printer

To import the iPrint printer configuration to a printer policy, you must use the XML file that contains the exported iPrint printer configuration information

For information on the format of the file, see [Section C.5, “iPrint Printer List Import File Format,” on page 146](#).

- 1 (Conditional) Depending on the requirements, modify the XML file created when you export the iPrint printer.
For more information on exporting the iPrint printer, see [“Exporting iPrint Printer” on page 143](#).
- 2 Use the `ippman import` command to import the iPrint printer configuration to all the printer policies matching a specific iPrint URI or a specific search criteria.

- ♦ On the ZENworks server, enter the command as follows:

```
ippman import -uri iprint_printer_uri -folder import_folder -  
username username -password password
```

Example:

```
ippman import -uri ipp://10.0.0.0/ipp/Printer1 -folder "c:\\export"  
-username Administrator -password xxxxx
```

- ♦ On the device other than the ZENworks server, enter the command as follows:

```
ippman import -uri iprint_printer_uri -folder import_folder -server  
ZENworks_server_ip -port port_number -username username -password  
password
```

Example:

```
ippman import -uri ipp://10.0.0.0/ipp/Printer1 -folder "c:\\export"  
-server 10.0.0.0 -port 7443 -username Administrator -password xxxxx
```

Table C-7 Options Used with the Import Command

Option	Description
uri	URI of the iPrint printer to search.
folder	Folder from which the iPrint printer configuration is imported. This folder contains the exported iPrint printer configuration saved in an XML file named <i>polycyname_policyUID</i> . where polycyname is the name of the printer policy and policyUID is the unique ID of the printer policy.
username and password	Credentials of the ZENworks administrator.
server	IP address of the ZENworks server.
port	Port of the ZENworks server. The default port is 7443.

To refer to the online help for the command, enter the following command:

```
ippman import -help
```

C.3 Understanding the Format of the iPrint Printer Configuration File

The iPrint printer configuration file contains information about the iPrint printer such as printer name, iPrint URI, and the printing preferences.

- [Section C.3.1, “Format of iPrint Printer Configuration File with Default Printing Preferences,” on page 145](#)
- [Section C.3.2, “\[Example\] iPrint Printer Configuration File with Some Printing Preferences Specified,” on page 145](#)

C.3.1 Format of iPrint Printer Configuration File with Default Printing Preferences

```
<?xml version="1.0" encoding="utf-8"?>

<Printer name="ipp://10.0.0.0/ipp/Printer2" type="iPrint"
updateiPrintDriver="true">

    <DefaultPrintingPreferences/>

</Printer>
```

For information on the default printing preferences, see [Section C.4, “Printing Preferences for an iPrint Printer,” on page 146](#).

C.3.2 [Example] iPrint Printer Configuration File with Some Printing Preferences Specified

You can specify printing preferences in the iPrint printer configuration file. For more information on the available printing preferences, see [Section C.4, “Printing Preferences for an iPrint Printer,” on page 146](#).

A sample of the iPrint printer configuration file with some printing preferences specified is as follows:

```
<?xml version="1.0" encoding="utf-8"?>

<Printer name="ipp://10.0.0.0/ipp/Printer2" type="iPrint"
updateiPrintDriver="true">

    <DefaultPrintingPreferences>

        <PrinterOrientation>Portrait</PrinterOrientation>

        <PaperSource>Envmanual</PaperSource>

        <Duplex>true</Duplex>

        <Collate>true</Collate>

        <PaperSize>Ledger</PaperSize>

        <PrintQuality>High</PrintQuality>
```

```

        <IsDefault>true</IsDefault>
    </DefaultPrintingPreferences>
</Printer>

```

C.4 Printing Preferences for an iPrint Printer

Table C-8 iPrint Printer Printing Preferences

Printing Preference	Possible Values	Default Value
PrinterOrientation	Portrait, Landscape	Portrait
Duplex	true, false	true
Collate	true, false	true
PrintQuality	High, Low	high
PaperSource	Auto, Cassette, Envelope, Envmanual, Formsourc, Largecapacity, Lower, Largefmt, Largecapacity, Manual, Onlyone, Tractor, Smallfmt, Tray 1, Tray 2, Tray 3, Tray 4	No default value
PaperSize	Letter, Letter Small, Tabloid, Ledger, Legal, Statement, Executive, 11x17,16K, 8K, A3, A4, A4 Small, A5, B4, B5	No default value

C.5 iPrint Printer List Import File Format

To import the iPrint printer configuration to all the policies that match specific printer URI, use the XML file created when you exported the iPrint printer. For more information on exporting the iPrint printer, see [Section C.2.6, “Exporting iPrint Printer,” on page 143](#).

The format of the iPrint printer list import file that is used with the printer policy import command is as follows.

```

<?xml version="1.0" encoding="UTF-8"?>

  <PrinterList removeOthers="false">

    <Printer name="ipp://164.99.147.66/ipp/Printer2" type="iPrint"
updateiPrintDriver="true">

      <DefaultPrintingPreferences />

    </Printer>

    <Printer name="ipp://164.99.147.66/ipp/Printer3" type="iPrint"
updateiPrintDriver="false">
      <DefaultPrintingPreferences/>

    </Printer>

```

</PrinterList>

