

System Reporting Reference

Novell® ZENworks® 10 Configuration Management SP2

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About This Guide

This *Novell ZENworks 10 Configuration Management SP2 System Reporting Reference* includes information to help you successfully create and manage reports by using ZENworks Reporting Server. The information is organized as follows:

- ♦ Chapter 1, “Overview,” on page 9
- ♦ Chapter 2, “Setting Up System Reporting,” on page 13
- ♦ Chapter 3, “Creating and Managing Reports,” on page 25
- ♦ Chapter 4, “Troubleshooting System Reporting,” on page 27
- ♦ Appendix A, “References,” on page 35
- ♦ Appendix B, “Documentation Updates,” on page 37

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, or go to the [Novell Documentation Feedback site \(http://www.novell.com/documentation/feedback.html\)](http://www.novell.com/documentation/feedback.html) and enter your comments there.

Additional Documentation

ZENworks 10 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 10 Configuration Management SP2 documentation \(http://www.novell.com/documentation/zcm10/\)](http://www.novell.com/documentation/zcm10/).

Documentation Conventions

In Novell documentation, a greater-than symbol (>) is used to separate actions within a step and items in a cross-reference path.

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When a single pathname can be written with a backslash for some platforms or a forward slash for other platforms, the pathname is presented with a backslash. Users of platforms that require a forward slash, such as Linux*, should use forward slashes as required by your software.

Novell® ZENworks® 10 Configuration Management SP2 lets you monitor the activity within your management zone through system reports.

Reports can contain details from a large volume of inventory, packaging, and other device or bundle information. You can create new reports, edit existing reports, delete reports, or schedule reports. You can create folders to organize and store reports based on your own criteria.

The following sections contain additional information to help you understand the Reporting concepts:

- ♦ [Section 1.1, “ZENworks Reporting Server Reports,” on page 9](#)
- ♦ [Section 1.2, “Inventory Reports,” on page 10](#)
- ♦ [Section 1.3, “Web Intelligence Documents,” on page 10](#)
- ♦ [Section 1.4, “Universe,” on page 10](#)
- ♦ [Section 1.5, “Central Configuration Manager,” on page 10](#)
- ♦ [Section 1.6, “Reporting Terminology,” on page 10](#)

1.1 ZENworks Reporting Server Reports

ZENworks Reporting Server provides a Web interface called ZENworks Reporting Server InfoView that provides a broad range of useful business information to your company, including Web Intelligence* documents, spreadsheets, and other documents. With ZENworks Reporting Server, you can access the information and organize it according to your requirements.

By using ZENworks Reporting Server InfoView, you can:

- ♦ Create report definitions for Bundles, Policies, Discovered Devices, Inventory, Asset Management, Patch Management, and ZENworks System messages.
- ♦ Schedule reports.
- ♦ Maintain the history of reports.
- ♦ Export reports in various formats such as Microsoft* Excel*, Adobe* PDF, BusinessObjects* WID*.
- ♦ Print reports.
- ♦ Distribute reports through e-mail.
- ♦ Have Discussions on the reports.

In ZENworks Reporting Server InfoView, you can manage predefined reports and custom reports. Predefined reports include report definitions for Bundles, Policies, Discovered Devices, Inventory, Asset management, and Patch management that are included with ZENworks Configuration Management.

1.2 Inventory Reports

ZENworks Configuration Management allows you to take an inventory of all the devices in your Management Zone, including data on hardware, software, and demographics. An inventory scan allows you to collect data from managed devices in your Management Zone. An inventory only scan allows you to scan devices in the zone that don't have the ZENworks Adaptive Agent installed but do have the Inventory Module installed. This type of scan is useful for devices running Windows*, NetWare®, and Mac OS*X.

For more information about Inventory Reports, see the *ZENworks 10 Configuration Management Asset Inventory Reference*.

1.3 Web Intelligence Documents

Web Intelligence provides you an easy, interactive, and flexible user interface to build and analyze reports on data over the Web, on secured intranets and extranets. You can create Web Intelligence documents by selecting the ZENworks universe in ZENworks Reporting Server InfoView and building one or more queries to define the document data.

1.4 Universe

Universes are patented Business Objects technology. They act as a semantic layer between the user and a database. A universe is a file that contains the following:

- ♦ SQL structures called objects that map to actual SQL structures in the database, such as columns, tables, and database functions. Objects are grouped into classes. Objects and classes are both visible to Web Intelligence users.
- ♦ A schema of the tables and joins used in the database. Objects are built from the database structures that you include in your schema. The schema is only available to Designer users. It is not visible to Web Intelligence and Desktop Intelligence* users.

Web Intelligence users connect to a universe, and run queries against a database. They can perform data analysis and create reports by using the objects in a universe, without seeing, or needing to know anything about, the underlying table schemas in the database.

A universe provides an interface for Web Intelligence users to run queries against a database so as to create reports and perform data analysis.

1.5 Central Configuration Manager

The Central Configuration Manager is a server-management tool on Windows that allows you to start or stop the Server Intelligence Agent.

For more information about the Central Configuration Manager, see the *BusinessObjects Enterprise XI 3.1 Administrator's Guide* (http://help.sap.com/businessobject/product_guides/boexir31/en/xi3-1_bip_admin_en.pdf).

1.6 Reporting Terminology

Following are the terms associated with the ZENworks Reporting Server reports:

Table 1-1 *ZENworks Reporting Terminology*

Term	Description
ZENworks Reporting Server InfoView	The main user interface for working with reports through ZENworks Reporting Server. The ZENworks Reporting Server InfoView runs within your Web browser and gives you the ability to view, export, print, and schedule reports.
Universe	A file that contains SQL structures and the schema of the tables and joins used in the database.
Web Intelligence Document	A report that is generated by selecting a universe in ZENworks Reporting Server InfoView and building one or more queries to define the data content of the documents.
Report Definition	A Web Intelligence document containing report information, such as database fields.
Report Instance	A report instance is created when you run a scheduled report. The report instance contains only the data that is available at the time you run the report. The latest report instance contains the most recent data.
Administrator Account	The individual who uses Administrator as the username to log in to the ZENworks Reporting Server.

Setting Up System Reporting

2

Before generating the ZENworks Reporting Server reports, review the information in the following sections:

- ♦ [Section 2.1, “Understanding and Assigning the Reporting Rights,” on page 13](#)
- ♦ [Section 2.2, “Synchronizing Report Folders,” on page 16](#)
- ♦ [Section 2.3, “Changing the Passphrase of the ZENworks Reporting Server,” on page 17](#)
- ♦ [Section 2.4, “Configuring the ZENworks Reporting Server to Export Reports,” on page 17](#)
- ♦ [Section 2.5, “Launching the ZENworks Reporting Server InfoView,” on page 21](#)
- ♦ [Section 2.6, “Setting the ZENworks Reporting Server InfoView Preferences,” on page 21](#)

2.1 Understanding and Assigning the Reporting Rights

The following sections provide detailed information about the Reporting rights that are available to the ZENworks® administrators:

- ♦ [Section 2.1.1, “Understanding the Reporting Rights,” on page 13](#)
- ♦ [Section 2.1.2, “Understanding the Reporting Folders,” on page 14](#)
- ♦ [Section 2.1.3, “Understanding the Predefined Reports,” on page 14](#)
- ♦ [Section 2.1.4, “Assigning Reporting Rights to Administrators,” on page 16](#)

2.1.1 Understanding the Reporting Rights

The ZENworks super administrator can assign the Execute/Publish Reports or the Create/Delete Reports rights for a folder or a Web Intelligence document to other administrators.

For an administrator, if a particular right is assigned to a folder, all the subfolders or reports contained within that folder have the same right, unless specific rights are assigned to them. If no rights are explicitly assigned to an administrator, the administrator can only view the list of all the reports.

- ♦ **Execute/Publish Report Right:** Allows the administrator to schedule reports and manage historical report instances. This right does not allow administrators to create or delete reports or folders within the folder on which the right is conferred. However, the administrator can copy the reports from one folder to another if the administrator has the Create/Delete Reports right on the destination folder.
- ♦ **Create/Delete Report Right:** Includes the Execute/Publish Report right. It allows the administrators to create, modify, or delete Web Intelligence documents and folders contained within the folder on which the right is conferred.

For more information about how to assign reporting rights, see [Section 2.1.4, “Assigning Reporting Rights to Administrators,” on page 16](#).

2.1.2 Understanding the Reporting Folders

ZENworks Reporting contains personal as well as shared folders to create and organize reports. The reports created in the personal folder are personal to the administrator and are not shared or visible to other administrators. Only the reports that are created in the shared folder are accessible to the other administrators.

The following report folders are available on the ZENworks Reporting Server:

- ♦ **Favorites Folder:** The Favorites folder is the administrator's personal folder. This folder is available to the administrator who has the Create/Delete Report right or the Execute/Publish Report right. Administrators can save their reports in this folder only if they have the Create/Delete Report right. This folder cannot be viewed by other administrators on the server.

Administrators who have the Create/Delete right on a Favorites folder can also save the customized InfoView Page Layouts in to the Favorites folder. For more information on customizing the InfoView Page Layouts, see the [BusinessObjects Enterprise XI 3.1 InfoView User's Guide \(http://help.sap.com/businessobject/product_guides/boexir31/en/xi3-1_bip_user_en.pdf\)](http://help.sap.com/businessobject/product_guides/boexir31/en/xi3-1_bip_user_en.pdf).

- ♦ **Novell ZENworks Report Folder:** This is a shared folder that can be accessed by all the ZENworks administrators on the ZENworks Reporting Server. This folder contains the Custom Reports and the Predefined Reports subfolders.

- ♦ **Predefined Reports Folder:** The Predefined Reports folder contains reports that are bundled with the product. The folder and its contents are accessible by all the administrators on the server. The administrators can schedule, view, and manage the historical instances of these reports only if they are assigned the Execute/Publish Report right. However, the administrators cannot modify, create or delete these reports.

If you assign Create/Delete rights to the Predefined Report folder, this applies only the Execute/Publish rights to the folder.

For report definitions of each of the reports in the Predefined Reports folder, see [Section 2.1.3, "Understanding the Predefined Reports," on page 14](#).

- ♦ **Custom Reports Folder:** Administrators who have the Create/Delete Report right can create subfolders or reports within the Custom Reports folder and share it with other ZENworks administrators based on their reporting rights.

2.1.3 Understanding the Predefined Reports

The `Predefined Reports` folder includes predefined reports for Bundles, Policies, Patch Management, Discovered Devices, and Asset Management.

The `ZENworks Standard Templates` folder contains the A4-Landscape, A4-Portrait, Letter-Landscape, and Letter-Portrait formats. You can generate the customized reports in these formats. For more information on using the templates, see ["Creating Reports by Using ZENworks Standard Templates" on page 15](#).

For more information on the report definitions for each of the predefined reports, see the following table:

Table 2-1 *Predefined Reports*

Predefined Reports	Description
Asset Management	See “ Viewing a Predefined Report ” in the ZENworks 10 Asset Management Reference .
Bundles and Policies	See “ Viewing the Predefined Reports ” in the ZENworks 10 Configuration Management Software Distribution Reference and “ Viewing the Predefined Reports ” in the ZENworks 10 Configuration Management Policy Management Reference .
Discovered Devices	See “ Viewing the Predefined Reports in the ” ZENworks 10 Configuration Management Discovery, Deployment, and Retirement Reference .
Patch Management	See the Novell ZENworks 10 Patch Management Reference .
ZENworks Systems	<p>This folder contains the Device Listing, Non-Compliant Devices, ZENworks License Information, ZENworks Messages, and ZENworks Server Statistics reports.</p> <p>For more information on the Device Listing and Non-Compliant Devices reports, see “Viewing the Predefined Reports” in the ZENworks 10 Configuration Management Discovery, Deployment, and Retirement Reference.</p> <p>For more information on ZENworks License Information report, see “ZENworks 10 Product Licensing” in the ZENworks 10 Configuration Management System Administration Reference.</p> <p>For more information on ZENworks Messages report, see “Message Logging” in the ZENworks 10 Configuration Management System Administration Reference.</p> <p>For more information on ZENworks Server Statistics report, see “ZENworks Server” in the ZENworks 10 Configuration Management System Administration Reference.</p>

Creating Reports by Using ZENworks Standard Templates

To use the templates in the ZENworks Standard Templates folder, ensure to set the *Select a default creation/editing tool* option in the *Web Intelligence* preference to *Advanced*. For more information on how to set preferences, see [Section 2.6, “Setting the ZENworks Reporting Server InfoView Preferences,”](#) on page 21.

To use a template to create a report:

- 1 In ZENworks Control Center, click the *Reports* tab.
- 2 In the ZENworks Reporting Server panel, click *ZENworks Reporting Server InfoView* to launch the ZENworks Reporting Server InfoView.
- 3 Navigate to *Novell ZENworks Reports > Predefined Reports > ZENworks Standard Templates*, select the desired template, then click *Organize > Copy* to copy the template.
- 4 Paste the template to a customized report folder that has Write permission.
- 5 In the customized report folder, select the template, then click *Actions > Properties* to edit the title of the template, specify a name for your new report, then click *OK*.
- 6 Select the template, then click *Actions > Modify*.

- 7 Click *Edit Query* on the toolbar.
- 8 Delete any objects that are in the *Results Objects* pane.
- 9 Drag the objects from the *ZENworks* universe to the *Results Objects* pane to create the report.
- 10 Click *Run Query*.
- 11 Click the *Data* tab in the left pane, and drag the objects from the Data panel to the report in the right pane.
- 12 Save the report.

2.1.4 Assigning Reporting Rights to Administrators

By default, a super administrator has the Execute/Publish Report right on the Predefined Reports folder and the Create/Delete Report right on the Custom Reports and the Favorites folders. A super administrator cannot change or override these rights.

Any other administrator must be assigned specific rights on the Predefined Reports, Custom Reports, and Favorites folders.

These reporting rights can also be specified within a role that can be assigned to the administrators. For more information on roles, see “[Managing Administrator Roles](#)” in the *ZENworks 10 Configuration Management System Administration Reference*.

To assign reporting rights to the administrators:

- 1 In ZENworks Control Center, click the *Configurations* tab.
- 2 In the Administrators panel, select the administrator to whom you want to assign reporting rights.
- 3 In the Assigned Rights panel, click *Add*, then select *Reporting Rights* to display the Reporting Rights dialog box.
- 4 Click *Add* to browse for and select the folders or reports to which you want to assign the reporting rights for the administrator.

The rights that you assign to the Reports folder are also automatically applied to the Favorites, Custom Reports, and Predefined Reports folders. You cannot assign rights individually to the contents of the Predefined Reports and the Favorites folders.

- 5 Select the reporting rights you want to assign.
You can allow or deny the Create/Delete Report right and Execute/Publish Report right on reports to the administrator.
- 6 Click *OK*.

2.2 Synchronizing Report Folders

The report folders and Web Intelligence documents created in the ZENworks Reporting Server InfoView must be synchronized with ZENworks Configuration Management in order to enable the ZENworks super administrator to grant reporting rights to other administrators on the folders and Web Intelligence documents. The ZENworks Reporting Server InfoView sets this synchronization interval. You can also set this synchronization manually.

To manually set the synchronization interval, do the following:

- 1 In ZENworks Control Center, click the *Configurations* tab.
- 2 In the Management Zone Settings panel, click *Reporting Services*.
- 3 Click *Folder Sync Schedule* to display the Folder Sync Schedule page.
- 4 Specify the refresh interval when the Custom Report folders that are created in the ZENworks Reporting Server InfoView must synchronize with the ZENworks Control Center. By default, the refresh interval is five minutes.
- 5 Click *OK* to save the changes.

You can also use the `zman` command line utility to synchronize report folders. For more information, see “**Report Commands**” in the *ZENworks 10 Configuration Management Command Line Utilities Reference*.

IMPORTANT: In ZENworks Reporting Server, if a folder has both a subfolder and a report file with the same name, then only the object that is created first is synchronized with ZENworks Configuration Management. Therefore, it is recommended that you do not create a report and a report folder with the same name.

2.3 Changing the Passphrase of the ZENworks Reporting Server

When you launch ZENworks Reporting Server InfoView through the ZENworks Control Center, the ZENworks Primary Server automatically authenticates to the ZENworks Reporting Server by using a passphrase and launches the ZENworks Reporting Server InfoView. This passphrase is automatically generated and set during ZENworks Reporting Server installation. The super administrator can change this passphrase to a new randomized value.

To change the passphrase:

- 1 In ZENworks Control Center, click the *Configurations* tab.
- 2 In the Management Zone Settings panel, click *Reporting Services*.
- 3 Click *Reset the Passphrase of the ZENworks Reporting Server* to display the Reset the Passphrase of the ZENworks Reporting Server page.
- 4 Select the *Yes* option to change the passphrase, then click *Apply*.

2.4 Configuring the ZENworks Reporting Server to Export Reports

You can configure ZENworks Reporting Server to export reports by e-mail, by setting up file locations or an FTP server at the destination.

Review the following sections to understand the different ways in which you can export the reports:

- ♦ [Section 2.4.1, “Configuring the ZENworks Reporting Server to Send E-Mail Notifications to the ZENworks Administrator,” on page 18](#)

- ♦ [Section 2.4.2, “Configuring the ZENworks Reporting Server to Set Up Destination File Locations,” on page 20](#)
- ♦ [Section 2.4.3, “Configuring the ZENworks Reporting Server to Set Up the Destination FTP Server,” on page 20](#)

2.4.1 Configuring the ZENworks Reporting Server to Send E-Mail Notifications to the ZENworks Administrator

You can distribute reports created in ZENworks Reporting Server InfoView by automatically including them in an e-mail.


To configure ZENworks Reporting Server to send e-mail notifications to the ZENworks administrator:

- 1 In ZENworks Control Center, click the *Configurations* tab.
- 2 In the Management Zone Settings panel, click *Reporting Services*.
- 3 Click *E-mail Notification Settings* to display the E-mail Notification Settings page.
- 4 Fill in the following fields:


From: Specify the sender’s e-mail address.

To: Specify the e-mail address of the recipients to whom you want to send the report. You can specify more than one e-mail address by separating them with commas.

CC: Specify the e-mail address of the recipients to whom you want to send a carbon copy of the report. You can specify more than one e-mail address by separating them with commas.


Subject: Specify the subject of the e-mail. You can also use predefined macros for the subject. You can also use the predefined macros for the subject. Click , then select the variable you want to use. The following table describes various variables and their respective macros:

Variable	Macro as Displayed in the Subject Field	Description
Title	%SI_NAME%	Name of the report.
ID	%SI_ID%	Report ID.
Owner	%SI_OWNER%	Name of the report owner.
Date/Time	%SI_STARTTIME%	Date and time when the report is scheduled.
User Full Name	%SI_USERFULLNAME%	Name of the administrator who schedules and sends the report.
E-mail Address	%SI_EMAIL_ADDRESS%	E-mail address of the administrator who schedules and sends the report.

Message: Specify the message to be sent. You can also use the predefined macros to send the message. Click , then select the variable you want to use. The following table describes various variables and their respective macros:

Variable	Macro as Displayed in the Subject Field	Description
Title	%SI_NAME%	Name of the report.
ID	%SI_ID%	Report ID.
Owner	%SI_OWNER%	Name of the report owner.
Date/Time	%SI_STARTTIME%	Date and time when the report is scheduled.
User Full Name	%SI_USERFULLNAME%	Name of the administrator who schedules and sends the report.
E-mail Address	%SI_EMAIL_ADDRESS%	E-mail address of the administrator who schedules and sends the report.
Viewer Hyperlink	%SI_VIEWER_URL%	The URL for the viewer in which you want the E-mail recipient to view the report.

Attach Report Instance to E-mail Message: Select this option, and configure the following settings if you want to attach an instance of the report to the e-mail:

- ♦ **Use the Default Filename (Randomly Generated):** Select this option if you want a default name to be assigned to the report instance. By default, this option is selected.
- ♦ **Specify a Filename:** Select this option, then specify a name for the report instance. You can also use predefined macros to create the filename. You can also use predefined macros to create the filename. Click , then select the variable you want to use. The following table describes various variables and their respective macros:

Variable	Macro as Displayed in the Subject Field	Description
Title	%SI_NAME%	Adds the name of the report to the filename.
ID	%SI_ID%	Adds the report ID to the filename.
Owner	%SI_OWNER%	Adds the name of the report owner to the filename.
Date/Time	%SI_STARTTIME%	Adds the date and time when the report is scheduled to the filename.
User Full Name	%SI_USERFULLNAME%	Adds the name of the administrator who schedules and sends the report.
E-mail Address	%SI_EMAIL_ADDRESS%	Adds the E-mail address of the administrator who schedules and sends the report, to the filename.
File Extension	%EXT%	.Adds the .ext extension to the filename.

- ♦ **Add File Extension:** Select this option if you want the file extension to be added to the name of the report instance.

5 Click *OK* to save the changes.

2.4.2 Configuring the ZENworks Reporting Server to Set Up Destination File Locations

You can specify the destination directory for the report instances on ZENworks Reporting Server or on any other remote server.

To configure ZENworks Reporting Server to specify the file locations:

- 1 In ZENworks Control Center, click the *Configurations* tab.
- 2 In the Management Zone Settings panel, click *Reporting Services*.
- 3 Click *File Location Notification Settings* to display the File Location Notification Settings page.
- 4 Fill in the following fields:
 - Directory:** Specify the path to the directory on the destination device to save the report instance.
 - Filename:** You can either select a default name or specify a name for the report instance.
 - Use the Default Filename (Randomly Generated):** Select this option to assign a default name to the report instance. By default, this option is selected.
 - Specify a Filename:** Select this option, then specify a name for the report instance.
 - ♦ **Add File Extension:** Select this option to add a file extension to the name of the report instance.
 - Username:** Specify the username who has the permission to write files to the destination directory.
 - Password:** Specify the password for the username you provided.

2.4.3 Configuring the ZENworks Reporting Server to Set Up the Destination FTP Server

You can specify the destination on the FTP server where you want to transfer the reporting instances.

To configure ZENworks Reporting Server to specify the location:

- 1 In ZENworks Control Center, click the *Configurations* tab.
- 2 In the Management Zone Settings panel, click *Reporting Services*.
- 3 Click *FTP Server Notification Settings* to display the FTP Server Notification Settings page.
- 4 Fill in the following fields:
 - Host:** Specify the hostname of the FTP server where you want to transfer the reporting instances.
 - Port:** Specify the port on which the FTP server is running. The default port is 21.
 - Username:** Specify the username that has permission to write the report instances to the FTP server.
 - Password:** Specify the password for the username you provided.
 - Account:** Specify the FTP account information that is part of the standard FTP protocol. Provide this information only if your FTP server requires it.

Directory: Specify the path for the directory on the FTP server where you want to save the report instance.

Filename: You can either select a default name or specify a name for the report instance.

Automatically Generated: Select this option to assign a default name to the report instance. By default, this option is selected.

Specify a Filename: Select this option, then specify a name for the report instance.

- ♦ **Add File Extension:** Select this option to add a file extension to the name of the report instance.

2.5 Launching the ZENworks Reporting Server InfoView

You can launch ZENworks Reporting Server InfoView only through ZENworks Control Center. An administrator who has logged in to the ZENworks Control Center is automatically logged in to the ZENworks Reporting Server.

To launch the ZENworks Reporting Server InfoView from ZENworks Control Center:

- 1 In ZENworks Control Center, click the *Reports* tab.
- 2 In the ZENworks Reporting Server Reporting panel, click *ZENworks Reporting Server InfoView*

The ZENworks Reporting Server InfoView page is displayed with initial view as *Novell ZENworks Reports Folder*.

NOTE: To change the preferences of the initial view, set the preferences in the Preferences page of the ZENworks Reporting Server InfoView. For more information, see [Section 2.6, “Setting the ZENworks Reporting Server InfoView Preferences,”](#) on page 21.

For more information about working with the ZENworks Reporting Server InfoView, [see the BusinessObjects Enterprise XI 3.1 InfoView User’s Guide \(http://help.sap.com/businessobject/product_guides/boexir31/en/xi3-1_bip_user_en.pdf\)](http://help.sap.com/businessobject/product_guides/boexir31/en/xi3-1_bip_user_en.pdf).

2.6 Setting the ZENworks Reporting Server InfoView Preferences

You can set the preferences to personalize the ZENworks Reporting Server InfoView. You can set preferences for general viewing and for the formats for the Web Intelligence documents in the ZENworks Reporting Server InfoView. For more information about the Web Intelligence preferences, [see the BusinessObjects Enterprise XI 3.1 InfoView User’s Guide \(http://help.sap.com/businessobject/product_guides/boexir31/en/xi3-1_bip_user_en.pdf\)](http://help.sap.com/businessobject/product_guides/boexir31/en/xi3-1_bip_user_en.pdf).

NOTE: The Change Password preference is not supported in ZENworks Configuration Management.

Some of the preferences are set by default during ZENworks Reporting Server installation. However, you can change these preference settings to suit your requirements. You should set your preferences before you begin to work with objects in the ZENworks Reporting Server InfoView.

The following table lists the preferences that are selected by default on the Preferences page in the ZENworks Reporting Server InfoView during the ZENworks Reporting Server installation:

Table 2-2 Preferences and their default settings

Preference	Options	Default Settings/Values
General	InfoView Start Page	Novell ZENworks Reports folder
	Document Navigation View	Folder
	Set the number of objects (max.) per page	10
	Document List Display	<ul style="list-style-type: none"> ◆ Description ◆ Owner ◆ Date ◆ Instance count
	Document Viewing	In the InfoView portal
	Product Locale	The locale that you have used to launch the ZENworks Control Center
	Current Time Zone	Local to Web Server
	Preferred Viewing Locale	Use browser locale
Web Intelligence	Select a default view format	Interactive
	When viewing a document	Use my preferred viewing locale to format the data
	Select a default creation/editing tool	Interactive
		NOTE: The <i>Desktop (Web Intelligence Rich Client required)</i> option is not supported.
	Select a default Universe	ZENworks
	Drill Options	By default, no option is selected.
	Start drill session	On existing report
	Select a priority for saving to MS Excel	Prioritize easy data processing in Excel

ZENworks Reporting Server InfoView has been customized according to Novell specifications. ZENworks Configuration Management overrides a few of these custom settings. When you set the preferences in the ZENworks Reporting Server InfoView, it persists only for the currently logged in session. However, when you open a new session of the ZENworks Reporting Server InfoView, ZENworks Configuration Management overrides a few of these custom settings. The default values that were set to the preferences during the installation of ZENworks Reporting Server are applied to the preferences.

ZENworks Configuration Management overrides the settings for the following preferences:

- ♦ My interface locale
- ♦ For each document, show me...(all options)
- ♦ My default navigation view is...
- ♦ When I close my browser window
- ♦ On my desktop

Creating and Managing Reports

3

You can use ZENworks Configuration Management to create report definitions and manage the reports.

- ♦ Section 3.1, “Creating Custom Report Definitions,” on page 25
- ♦ Section 3.2, “Managing Reports,” on page 25
- ♦ Section 3.3, “Managing Report Discussions,” on page 26

For detailed information about creating the ZENworks Reporting Server reports, see the [BusinessObjects Enterprise XI 3.1 InfoView User’s Guide \(http://help.sap.com/businessobject/product_guides/boexir31/en/xi3-1_bip_user_en.pdf\)](http://help.sap.com/businessobject/product_guides/boexir31/en/xi3-1_bip_user_en.pdf).

3.1 Creating Custom Report Definitions

- 1 In the ZENworks Control Center, click Reports.
- 2 In the ZENworks Reporting Server Reporting panel, click *ZENworks Reporting Server InfoView* to launch the ZENworks Reporting Server InfoView.
- 3 In the ZENworks Reporting Server InfoView panel, click *New > Web Intelligence Document*.

NOTE: The *Desktop Intelligence Document*, *Analytic*, and *Corporate Dashboard* options are not supported.

- 4 In the *Data* tab, navigate to the universe object on which you want to create a report, and drag the object to the right pane.
- 5 Click *Run Query*.
- 6 Save the report.

3.2 Managing Reports

You can modify, schedule, or delete reports. You can also view the previous instance or the latest instance of the reports.

- 1 In the ZENworks Control Center, click *Reports*.
- 2 In the ZENworks Reporting Server Reporting panel, click *ZENworks Reporting Server InfoView* to launch the ZENworks Reporting Server InfoView.
- 3 View or modify the reports as necessary.

Refer to the following table to understand the tasks that you can perform on a report in the ZENworks Reporting Server InfoView:

Task	Action	Additional Details
Viewing the previous report instances	Click <i>Actions > History</i> .	Lists the report instances you can view.
Viewing the latest instance of a report	Click <i>Actions > View Latest Instance</i> .	The latest instance is the one most recently created.
Deleting a report or report instance	Click <i>Actions > Delete</i> .	Only the Administrator account can delete the report instances in the Predefined Reports folder.
Modifying a report	Click <i>Actions > Modify</i> .	You can modify the report template, queries, and layout.
Scheduling a report	Click <i>Actions > Schedule</i> .	You can schedule a report to automatically run at a certain time.

You can also delete and schedule the reports by using the zman command line utility. For more information on using the zman command line utility, see “**Report Commands**” in the *ZENworks 10 Configuration Management Command Line Utilities Reference*.

3.3 Managing Report Discussions

The Discussions panel in the ZENworks Reporting Server InfoView is a channel for discussion among all the administrators. This panel is enabled for users who have the Execute/Publish Report right.

To open the Discussions panel, click the arrow at the bottom right corner of the window. For more information on managing discussions, see the *BusinessObjects Enterprise XI 3.1 InfoView User's Guide* (http://help.sap.com/businessobject/product_guides/boexir31/en/xi3-1_bip_user_en.pdf).

Troubleshooting System Reporting

4

The following sections provide solutions to the problems you might encounter while working with ZENworks Configuration Management System Reporting:

- ♦ [Section 4.1, “System Reporting Error Messages,” on page 27](#)
- ♦ [Section 4.2, “System Reporting Troubleshooting Strategies,” on page 29](#)

To troubleshoot other problems that you might encounter while working with ZENworks Reporting Server, see the [BusinessObjects XI Release 2 Error Message Guide](http://support.businessobjects.com/documentation/product_guides/default.asp) (http://support.businessobjects.com/documentation/product_guides/default.asp).

4.1 System Reporting Error Messages

This section contains detailed explanations of the error messages you might encounter using System Reporting.

- ♦ [“An error has occurred: Batch state is unknown” on page 27](#)
- ♦ [“30270: An internal error occurred while calling the 'processDPCommands' API. \(Error: WIS 30270\) BOException caught:RESULT=80004005;WHAT=RefreshBatch failed” on page 27](#)
- ♦ [“There are no ZENworks Reporting Servers configured in the Management Zone” on page 28](#)
- ♦ [“You do not have the rights to save in this folder or edit categories. If you require these rights, see your BusinessObjects administrator” on page 28](#)
- ♦ [“Unable to reconnect to the CMS <server-name>:6400. The session has been logged off or has expired. \(FWM 01002\)” on page 28](#)
- ♦ [“Cannot initialize Report Engine server. \(Error: RWI 00226\) \(Error: INF\)” on page 29](#)

An error has occurred: Batch state is unknown

Source: ZENworks 10 Configuration Management SP2; System Reporting.

Explanation: In the ZENworks Reporting Server InfoView, you might encounter this error if you access the parent reporting folder after generating the reports.

Action: After generating the reports, log out of the ZENworks Reporting Server and log in again to the ZENworks Reporting Server InfoView.

30270: An internal error occurred while calling the 'processDPCommands' API. (Error: WIS 30270) BOException caught:RESULT=80004005;WHAT=RefreshBatch failed

Source: ZENworks 10 Configuration Management SP2; System Reporting.

Explanation: If you schedule a Predefined report or a Web Intelligence report published by using the `report-deploy` command, you might encounter this error.

Possible Cause: The `report-deploy` command publishes *.wid files into the BusinessObjects File repository, opens the document, refreshes it, then saves it again. If it fails to refresh for reasons such as the database connectivity timing out, it leaves the document in a invalid state. The report is deployed to the ZENworks Reporting Server but fails when it is scheduled.

Action: Do the following.

- 1 Open the report that you want to schedule in the ZENworks Reporting Server InfoView.
- 2 Click *Refresh Data*.
- 3 Save the report.
- 4 Schedule the report. For more information on how to schedule a report, see [Chapter 3, “Creating and Managing Reports,” on page 25](#).

There are no ZENworks Reporting Servers configured in the Management Zone

Source: ZENworks 10 Configuration Management SP2; System Reporting.

Explanation: In a management zone, if the Primary Server is a a SLES 10 64-bit device, and ZENworks Reporting is installed on a Windows Secondary ZENworks Server, then you might encounter this error when you try to launch Reporting from the Secondary Server. The Reporting options might be disabled in the *Reporting* tab of ZENworks Control Center.

Possible Cause: The ZENworks Configuration Management post-installation tasks have not been successfully completed on the Secondary Server.

Action: Launch Reporting from the SLES 10 Primary Server.

You do not have the rights to save in this folder or edit categories. If you require these rights, see your BusinessObjects administrator

Source: ZENworks 10 Configuration Management SP2; System Reporting.

Explanation: You might encounter this error when you try to save a template to My InfoView in the ZENworks Reporting Server InfoView.

Possible Cause: You do not have rights to save reports or data to the My Favorites folder.

Action: Get Create/Delete Report rights for the Favorites folder from the Administrator.

Unable to reconnect to the CMS <server-name>:6400. The session has been logged off or has expired. (FWM 01002)

Source: ZENworks 10 Configuration Management SP2; System Reporting.

Explanation: You might encounter this error if the ZENworks Reporting Server InfoView session has expired, and you are trying to launch it again.

Action: Do the following:

- 1 Delete the cookies from your browser.

- 2 Close all browser instances.
- 3 Log in to the ZENworks Control Center, and launch the ZENworks Reporting Server InfoView.

Cannot initialize Report Engine server. (Error: RWI 00226) (Error: INF)

Source: ZENworks 10 Configuration Management SP2; System Reporting

Possible Cause: This problem might occur if the Report Engine Server is not running, and you are trying to create or access the reports.

Action: On Windows, do the following:

- 1 From the desktop *Start* menu, click *Programs > ZENworks Reporting Server > ZENworks Reporting Server > Central Configuration Manager > Server Intelligence Agent* to display the Central Configuration Manager window.
- 2 Click *Restart*.
- 3 Wait 2 to 3 minutes for the services to restart.
- 4 Launch the ZENworks Reporting Server InfoView.

On Linux, do the following:

- 1 Stop the BusinessObjects Enterprise services by running the following command as a root user:
`/etc/init.d/BobjEnterprise120 stop`
- 2 Wait 2 to 3 minutes for all the services to stop.
- 3 Start the BusinessObjects Enterprise services by running the following command as a root user:
`/etc/init.d/BobjEnterprise120 start`
- 4 Wait 2 to 3 minutes for all the services to start.

4.2 System Reporting Troubleshooting Strategies

This section provides solutions to problems you might encounter when using ZENworks 10 Configuration Management System Reporting.

- ♦ “Unable to launch the ZENworks Reporting Server InfoView” on page 30
- ♦ “If you launch ZENworks Reporting Server InfoView in Internet Explorer, the ZENworks Reporting Server InfoView hangs while opening a Web Intelligence document” on page 30
- ♦ “If you launch the ZENworks Reporting Server InfoView by using Mozilla Firefox, the report might not generate the correct data if you change its attributes” on page 31
- ♦ “Reporting rights might not correctly work if you launch ZENworks Control Center from a locale other than English” on page 31
- ♦ “Unable to send reports as an e-mail by using ZENworks Reporting Server InfoView if Reporting Server is installed on SLES 10 server” on page 31

- ♦ “Unable to send reports to a file location by using ZENworks Reporting Server InfoView if ZENworks Reporting Server is installed on SLES 10 server” on page 31
- ♦ “Unable to create a new Web Intelligence document in the ZENworks Reporting Server InfoView” on page 32
- ♦ “Reports data displays #incompatible when the user creates a report by using Query HTML” on page 32
- ♦ “Unable to schedule reports to a file location on a Linux device” on page 32
- ♦ “The ZENworks Reporting Server InfoView link is disabled in ZENworks Control Center when connected through a ZENworks Primary Server on which the ZENworks Reporting Server is not installed” on page 33
- ♦ “Unable to log into the ZENworks Reporting Server InfoView from the ZENworks Reporting Server login console when the ZENworks Reporting Server InfoView session times out” on page 33
- ♦ “Unable to launch the SQL Viewer while creating a new Web Intelligence document in the ZENworks Reporting Server InfoView if the ZENworks Control Center is launched in French or Chinese locales” on page 33

Unable to launch the ZENworks Reporting Server InfoView

Source: ZENworks 10 Configuration Management SP2; System Reporting.

Possible Cause 1: The firewall is turned on for the ZENworks Server that has ZENworks Reporting Server installed.

Action 1: Disable the firewall and relaunch ZENworks Reporting Server InfoView. For more information, see “[Working With a Firewall](#)” in the *ZENworks 10 Configuration Management Reporting Server Installation Guide*.

Possible Cause 2: This problem might occur if the Central Management Server failed to start. The following error message is displayed in the

%zenworks_home%\logs\zcc.log file:

```
cause:com.crystaldecisions.enterprise.ocaframework.OCAFrameworkException$NotFoundInDirectory: Server <Server_name>:6400 not found or server may be down (FWM 01003)
cause:java.net.ConnectException: Connection refused: connect
detail:Server <Server_name>:6400 not found or server may be down (FWM 01003) Connection refused: connect
detail:Server <Server_name>:6400 not found or server may be down (FWM 01003) Connection refused: connect
```

Action 2: Contact [Novell Support \(http://www.novell.com/support\)](http://www.novell.com/support).

If you launch ZENworks Reporting Server InfoView in Internet Explorer, the ZENworks Reporting Server InfoView hangs while opening a Web Intelligence document

Source: ZENworks 10 Configuration Management SP2; System Reporting.

Explanation: If you launch ZENworks Reporting Server InfoView in Internet Explorer, the ZENworks Reporting Server InfoView hangs while opening a Web Intelligence document, and displays the following message:

Please wait while the document is being processed.

Action: Add the Reporting Server to the list of trusted sites.

- 1 In Internet Explorer, click *Tools > Internet Options*.
- 2 Click the *Security* tab, click *Trusted Sites*, then click *Sites*.
- 3 Specify the site address of the Reporting Server.
- 4 Click *Add*.
- 5 Click *OK* twice.

If you launch the ZENworks Reporting Server InfoView by using Mozilla Firefox, the report might not generate the correct data if you change its attributes

Source: ZENworks 10 Configuration Management SP2; System Reporting

Action: Launch the ZENworks Reporting Server InfoView by using the recommended version of Internet Explorer, change the attributes as desired, then generate the report. For more information about the recommended version of Internet Explorer, see “[Administration Browser Requirements](#)” in the *ZENworks 10 Configuration Management Installation Guide*.

Reporting rights might not correctly work if you launch ZENworks Control Center from a locale other than English

Source: ZENworks 10 Configuration Management SP2; System Reporting

Action: Launch ZENworks Control Center using the English locale.

Unable to send reports as an e-mail by using ZENworks Reporting Server InfoView if Reporting Server is installed on SLES 10 server

Source: ZENworks 10 Configuration Management SP2; System Reporting

Explanation: If ZENworks Reporting Server is installed on a SLES 10 server, you might encounter the following error message when you try to send a report as an e-mail by using the ZENworks Reporting Server InfoView (from the Header panel, click *Send > To Email*):

The destination plugin required for this action is disabled.
If you require this functionality, please contact your system administrator.

Action: None.

Unable to send reports to a file location by using ZENworks Reporting Server InfoView if ZENworks Reporting Server is installed on SLES 10 server

Source: ZENworks 10 Configuration Management SP2; System Reporting

Explanation: If ZENworks Reporting Server is installed on a SLES 10 server, you might encounter the following error message when you try to send a report to a file location by using the ZENworks Reporting Server InfoView (from the Header panel, click *Send > To File Location*):

The destination plugin required for this action is disabled.
If you require this functionality, please contact your system administrator.

Action: None.

Unable to create a new Web Intelligence document in the ZENworks Reporting Server InfoView

Source: ZENworks 10 Configuration Management SP2; System Reporting

Explanation: In the ZENworks Reporting Server InfoView, you might encounter an error when you click *Run Query* while creating a new Web Intelligence document.

Possible Cause: The report panel preference for the Web Intelligence document is set to Query-HTML.

Action: Change the report panel preference of the Web Intelligence document to Java Report Panel.

- 1 Launch the ZENworks Reporting Server InfoView.
- 2 Click *Preferences*.
- 3 Click the *Web Intelligence Document* tab.
- 4 Select *Java Report Panel*.
- 5 Click *Apply > OK*.

Reports data displays #incompatible when the user creates a report by using Query HTML

Source: ZENworks 10 Configuration Management SP2; System Reporting

Possible Cause: The report panel preference for the Web Intelligence document is set to Query-HTML when creating a report.

Action: Do the following to change the report panel preference of the Web Intelligence document to Java Report Panel:

- 1 Launch the ZENworks Reporting Server InfoView.
- 2 Click *Preferences*.
- 3 Click the *Web Intelligence Document* tab.
- 4 Select *Java Report Panel*.
- 5 Click *Apply > OK*.
- 6 Create the report again.

Unable to schedule reports to a file location on a Linux device

Source: ZENworks 10 Configuration Management SP2; System Reporting

Explanation: When you try to schedule reports to a file location on a Linux device, the status of the report is displayed as Failed. When you click *Failed*, the following error message is displayed:

```
destination directory error. CrystalEnterprise.Disk  
unmanaged:
```

Possible Cause: The username and password are specified in the *Schedule* panel.

Action: Leave the *Username* and *Password* fields blank while scheduling reports to a file location on a Linux device.

Possible Cause: The ZENworks user on the Linux device does not have permission to write files to the destination file location.

Action: Make sure the ZENworks user on the Linux device has permission to write files to the destination file location.

The ZENworks Reporting Server InfoView link is disabled in ZENworks Control Center when connected through a ZENworks Primary Server on which the ZENworks Reporting Server is not installed

Source: ZENworks 10 Configuration Management SP2; System Reporting

Possible Cause: The device is unable to resolve the DNS name of the device in a zone on which the ZENworks Reporting Server is installed.

Action: In the `hosts` file of the device, enter the IP address of the device on which the ZENworks Reporting Server is installed.

The `hosts` file is located in `c:\WINDOWS\system32\drivers\etc\` on Windows, and in `/etc/hosts` on Linux.

Unable to log into the ZENworks Reporting Server InfoView from the ZENworks Reporting Server login console when the ZENworks Reporting Server InfoView session times out

Source: ZENworks 10 Configuration Management SP2; System Reporting

Action: Launch the ZENworks Reporting Server InfoView from ZENworks Control Center:

- 1 In ZENworks Control Center, click the *Reports* tab.
- 2 In the ZENworks Reporting Server Reporting panel, click *ZENworks Reporting Server InfoView*.

Unable to launch the SQL Viewer while creating a new Web Intelligence document in the ZENworks Reporting Server InfoView if the ZENworks Control Center is launched in French or Chinese locales

Source: ZENworks 10 Configuration Management SP2; System Reporting

Explanation: If the ZENworks Reporting Server InfoView is launched in French or Chinese languages, you might encounter an error when you click *View SQL* on the query toolbar while creating a new Web Intelligence document.

Possible Cause: In the *Web Intelligence* preference, *Select a default creation/editing tool* is set to *Interactive*.

Action: Set the *Select a default creation/editing tool* to *Advanced*:

- 1 Launch the ZENworks Reporting Server InfoView.
- 2 Click *Preferences* on the top right corner of the toolbar to display the Preferences page.
- 3 Click *Web Intelligence*.
- 4 Set the *Select a default creation/editing tool* to *Advanced*.
- 5 Click *OK*.

References



The following resources are helpful for information on BusinessObjects Enterprise XI 3.1:

- ♦ *BusinessObjects Enterprise XI 3.1 Administrator's Guide* (http://help.sap.com/businessobject/product_guides/boexir31/en/xi3-1_bip_admin_en.pdf)
- ♦ *BusinessObjects Enterprise XI 3.1 InfoView User's Guide* (http://help.sap.com/businessobject/product_guides/boexir31/en/xi3-1_bip_user_en.pdf)

Documentation Updates

B

This section contains information on documentation content changes that were made in this *System Reporting Reference* for Novell® ZENworks® 10 Configuration Management SP2. The changes are listed according to the date they were published.

The documentation for this product is provided on the Web in two formats: HTML and PDF. The HTML and PDF documentation are both kept up-to-date with the changes listed in this section.

If you need to know whether a copy of the PDF documentation that you are using is the most recent, the PDF document includes a publication date on the title page.

The documentation was updated on the following date:

- ♦ [Section B.1, “May 27, 2009: SP2 \(10.2\),” on page 37](#)
- ♦ [Section B.2, “June 26, 2009: SP2 \(10.2\),” on page 38](#)

B.1 May 27, 2009: SP2 (10.2)

Updates were made to the following sections. The changes are explained below.

Location	Update
Throughout the document	Changed BusinessObjects Enterprise to ZENworks Reporting Server
Throughout the document	Changed the links to the BusinessObjects Web site from BusinessObjects Enterprise XI Release 2 to BusinessObjects Enterprise XI 3.1.
Section 1.6, “Reporting Terminology,” on page 10	Updated this section.
Section 2.1.3, “Understanding the Predefined Reports,” on page 14	Updated this section.
Section 2.6, “Setting the ZENworks Reporting Server InfoView Preferences,” on page 21	Updated this section.
Section 3.1, “Creating Custom Report Definitions,” on page 25	Updated this section.
Section 3.2, “Managing Reports,” on page 25	Updated this section.
Section 3.3, “Managing Report Discussions,” on page 26	Updated this section.
Chapter 4, “Troubleshooting System Reporting,” on page 27	Updated this section.
Appendix A, “References,” on page 35	Added this section for this release.

B.2 June 26, 2009: SP2 (10.2)

Location	Update
Chapter 4, "Troubleshooting System Reporting," on page 27	Updated the following scenario to add steps for Linux: <ul style="list-style-type: none">♦ "Cannot initialize Report Engine server. (Error: RWI 00226) (Error: INF)" on page 29