

Reports

IX

The following chapters provide information on Novell® ZENworks® Linux Management reporting features:

- [Chapter 34, “Reports Overview,” on page 387](#)
- [Chapter 35, “Generating ZENworks Reports,” on page 389](#)

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 generate one or multiple reports simultaneously. You can create folders to organize and store reports based on your own criteria.

The Reports page, accessed from the ZENworks Control Center, displays reports and folders. A number of standard bundle and device reports are included with ZENworks, and you can easily modify these and define your own. Reports are generated in HTML. After a report is generated, it can be printed, saved, or exported to XML or comma-separated values (CSV) format. When you create reports, the system stores them as objects in Novell eDirectory™. You can generate up to 25,000 records per report.

The following reports are provided with ZENworks:

- [Section 34.1, “Bundle Reports,” on page 387](#)
- [Section 34.2, “Device Reports,” on page 387](#)

34.1 Bundle Reports

The following bundle reports are provided with ZENworks Linux Management:

Table 34-1 *Bundle Reports*

Report Name	Description
Bundle Delivery Failure	Lists bundle delivery failures per device.
Bundle Delivery in the Past 24 Hours	Displays the previous day's bundle deliveries.
Bundle Delivery Information per Device	Lists information consisting of error, warning, and success counts, as well as the last bundle delivery message and status.
Last Bundle Delivery per Device	Displays the last bundle delivery that took place per device.

34.2 Device Reports

The following device reports are provided with ZENworks Linux Management:

Table 34-2 *Device Reports*

Report Name	Description
Device Errors in the Past 24 Hours	Lists all device errors in the past 24 hours.
Device Errors in the Past Week	Lists all device errors in the past week.

Report Name	Description
Device Disk Usage	Lists disk usage for all devices.
Devices Registered in the Past 24 Hours	Lists all devices registered in the past 24 hours.
Devices Registered in the Past Week	Lists all devices registered in the past week.

This chapter includes the following topics:

- Section 35.1, “Creating a Folder,” on page 389
- Section 35.2, “Creating a Report,” on page 390
- Section 35.3, “Organizing Reports and Folders,” on page 392
- Section 35.4, “Modifying Report Details,” on page 393
- Section 35.5, “Generating Reports,” on page 393
- Section 35.6, “Resetting Default Reports,” on page 394

35.1 Creating a Folder

You create folders to store ZENworks reports.

- 1 In the ZENworks Control Center, click the *Reports* tab.
- 2 Click *New > Folder*.
- 3 Specify the name and folder location.

You can browse to select an existing folder in which to store the new folder.

- 4 Enter a report description, if necessary, then click *OK*.

New Folder

Name: *
Hard Disk Reports

Folder: *
/Reports

Description:
Contains reports for hard disk inventory.

Fields marked with a blue asterisk are required.

OK Cancel

The system displays the new folder on the Reports page, as follows:

Reports	
New Edit Delete Generate	
<input type="checkbox"/> Name	Type
<input type="checkbox"/> Bundle Reports [Details]	Folder
<input type="checkbox"/> Device Reports [Details]	Folder
<input type="checkbox"/> Hard Disk Reports [Details]	Folder
1 - 3 of 3	
show 10 items	

35.2 Creating a Report

Use this wizard to create a new report. ZENworks allows you to define the devices for which the system generates report data, and to customize how the information is displayed. After you create the report, you can generate the report and view or print it in formats such as XML, HTML, or CSV (comma-separated values). You can also create new folders to store multiple reports that you can run simultaneously.

- 1 In the ZENworks Control Center, click the *Reports* tab.
- 2 Click *New > Report*.

[Reports](#) > [Create New Report](#)

Create New Report

Help

Step 1: Report Information

Specify the name, and description of the new report:

Report Name: *

BIOS Report

Folder: *

/Reports

Report Description:

Fields marked with a blue asterisk are required.

<< BackNext >>Cancel

- 3 Use the Report Information page to specify the following information:

Report name: Specify a report name.

Folder: Specify the folder name, or browse to locate the folder in which you want to store the report. When you browse to locate a folder, the system displays the Select Folder dialog box. After you locate the desired folder, click the *Select* icon to select the folder, then click *OK*.

Report description: Specify a report description. The system displays this description beneath the report name in the generated report.

- 4 Click *Next*.

- 5 Use the Columns page to add and sort the columns that you want to display on the report.

Device Alias	Bundle Delivery Error Count	Bundle Delivery Warning Count	Bundle Delivery Informational Count	Bundle Delivery Last Status	Bundle Delivery Last Action Time
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Primary Sort: Device Alias Ascending Secondary Sort: None Ascending

Columns: Select a column, then click *Add*. You can select a group of items by holding the Shift key and clicking the first and last items in the group, or you can select several items by holding the Ctrl key and clicking each item. The system displays the items as you add them. Use the ZENworks interface to sort or remove the columns.

Primary and secondary sort: Use the drop-down menus to specify a primary and secondary sort, if needed. You can sort by a column in ascending or descending order.

- 6 Click *Next*.

Reports > Create New Report

Create New Report Physical Disks

Step 3: Filters

Create filter rule(s) to limit data showing in this report:

Add Filter Add Filter Set Delete

Combine Filters using: or Filter Sets will be combined using: AND

Show data matching the filter rules:

☐ -Select- Equal to

<< Back Next >> Cancel

Use the Filters page to create filter rules to manipulate the amount of queried data you want to display on the report. Filter sets enable you to create sets of individual filters, and evaluate them with another set of individual filters. The system uses Boolean logic (And, Or, and Not operators) that determines how to process filters and filter sets. Individual filters can be grouped by And or Or based on how you select the conjunction operator. If you select And to combine filters within filter sets, then the filter sets will be Or, and vice versa. Filter sets can be grouped using Or or And. If you have multiple conditions that must be met, group them using individual filter sets with an And condition.

For example, you can add a filter to report inventory data for a particular BIOS Serial Number if the number is equal to or contains a specific value, then add a second filter to further limit (or expand) the results, such as whether the BIOS Install Date is before, after, or relative to the date you specify in the second filter. You then might add another filter and use the Not operator to eliminate a certain BIOS Release Date value from the search.

- 7 Click *Add Filter* to create a filter.

Use the drop-down menu to specify whether to combine filters using And or Or. This selection also controls how the system combines filter sets. Depending on the item you select for the filter, ZENworks provides a variety of filtering criteria, such as:

- Alphanumeric (equal to / contains)
- Date and time (before, after, relative, non-existent)
- Size (<, >, =, and so on)

- True/false
- Has/doesn't have

For example, the following filter sets return all devices with 10 GB hard disk drives containing less than 2 GB of free space:

☐ Physical Disk Free Size(bytes) < 2147483648
 ☐ Physical Disk Capacity(bytes) < 10737418240

- 8 Click *Add Filter Set* to create a new set of filters, then click *Add Filter* to add filters to the new set.

For example, the following filter set returns all devices with more than 2 GB of free space that are not made by the specified manufacturer:

☐ Physical Disk Free Size(bytes) < 2147483648
 AND
☐ NOT Physical Disk Manufacturer = Disk Maker

New filters are always added to the newest filter set.

To delete a filter, select a filter's check box, then click *Delete*.

- 9 Click *Next*.

Use the Summary page to review the report information.

- 10 Click *Finish* to create the new report, then click *OK* on the Results page to return to the Reports page.

Novell recommends that you use the *Message From This Type Object* column only in conjunction with other message and device columns and filters. If you add other types of columns or filters, the message displayed in this column may be inaccurate. Known exceptions of device columns and filters that also cause this inaccuracy are:

- Device Code Page
- Device Virtual Memory
- Device Visible Memory

35.3 Organizing Reports and Folders

You can simplify report management and generation by organizing the report list and storing reports in separate folders.

- [Section 35.3.1, "Editing the Reports List," on page 392](#)
- [Section 35.3.2, "Deleting a Report or Folder," on page 393](#)

35.3.1 Editing the Reports List

To edit the reports list, select the report or folder check box, then click *Reports > Edit*.

The following table describes each task:

Table 35-1 *Editing Options*

Task	Description
Rename	Displays the Rename Report or the Rename Folder dialog box. Specify a new name for the object.
Copy	Displays the Copy Report dialog box. You can specify a new name for the copied report. You cannot copy folders.
Move	Displays the Move Report dialog box. Select the folder to which the report should be moved.

35.3.2 Deleting a Report or Folder

To delete a report or folder, click *Reports > Delete*. This permanently removes the report from the database.

35.4 Modifying Report Details

- 1 In the ZENworks Control Center, click the *Reports* tab.
- 2 Select a report.
- 3 To modify the settings of an existing report, complete any of the following fields or options:

Field	Description
General	Revise the report description.
Columns	Add, delete, or change the column layout and sorting details of the report. See Section 35.2, “Creating a Report,” on page 390 for more information about adding columns to a report.
Filters	Revise, add, or delete the report filters. See Section 35.2, “Creating a Report,” on page 390 for more information about naming, formatting, and filtering.
Generate	Runs the report based on the settings displayed on the page. See Section 35.5, “Generating Reports,” on page 393 for more information.
Apply	Saves the new settings.
Reset	Resets the report to its original settings.

- 4 To generate the report, click *Generate*.

35.5 Generating Reports

You can generate an existing report, or generate multiple reports simultaneously. After the system displays the report, you can print the information or export and view the data in XML, CSV, or HTML formats.

- 1 In the ZENworks Control Center, click the *Reports* tab.
- 2 To generate a report, select the report’s check box, then click *Generate*.

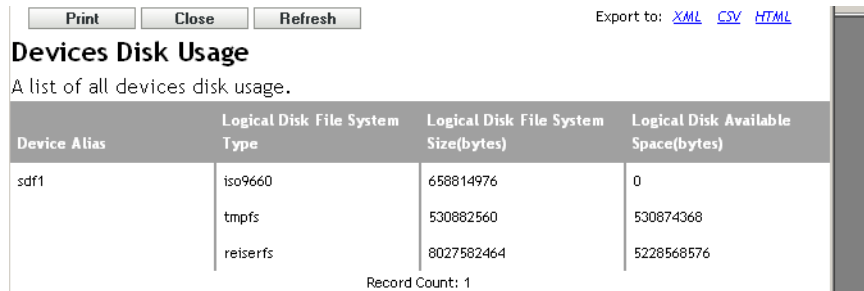
or

- 3 To generate a batch of reports, select the report folder's check box, then click *Generate*.

You can also select individual reports and run them simultaneously.

The following graphic is a sample of a generated ZENworks report.

Figure 35-1 Report Generation Page



The screenshot shows a web interface for report generation. At the top, there are buttons for 'Print', 'Close', and 'Refresh', and a link to 'Export to: XML CSV HTML'. Below this is the title 'Devices Disk Usage' and a subtitle 'A list of all devices disk usage.' A table displays disk usage data for device 'sdf1'. The table has four columns: 'Device Alias', 'Logical Disk File System Type', 'Logical Disk File System Size(bytes)', and 'Logical Disk Available Space(bytes)'. The data shows three file systems: 'iso9660' with size 658814976 and available space 0; 'tmpfs' with size 530882560 and available space 530874368; and 'reiserfs' with size 8027582464 and available space 5228568576. Below the table, it says 'Record Count: 1'.

Device Alias	Logical Disk File System Type	Logical Disk File System Size(bytes)	Logical Disk Available Space(bytes)
sdf1	iso9660	658814976	0
	tmpfs	530882560	530874368
	reiserfs	8027582464	5228568576

Record Count: 1

Table 35-2 Output Types

Output Type	Description
XML	When you view a report in XML, the system displays the information using rows, rather than in table format. You can view this data in any application that can display XML.
CSV	The system displays the information as CSV (comma-separated values), allowing you to view the report data in a spreadsheet.
HTML	The system displays the report data in the default browser. However, you can choose another program to open this document, if needed. The HTML styles are embedded in the report output.

35.6 Resetting Default Reports

Click Reset Default Reports to reset the default reports to their original settings when you installed ZENworks. The default reports are the bundle and device reports that come with the installed software.