# REPORT MANAGER

## Resource Utilization Report

*Issued: April 19, 2012*

N-able

# Resource Utilization Report

This report provides a historical overview of CPU, physical memory, virtual memory and disk utilization.

## Requirements

The minimum Report Manager release to run this report is 3.2 GA (3.2.0173).

## N-central Dependencies

CPU, Disk and Memory services

## Files Included

This package contains the following:

- The custom report file (Resource Utilization Report.rdl)
- A configuration file (Resource Utilization Report Parameters.xml), which will configure the UI control parameters for the report when uploaded
- A sample of the report (Resource Utilization Report.pdf)
- Report Parts (Resource Utilization Parts.rpz). For more details on Report Parts, refer to the *Creating Custom Reports* section in the **Report Manager** online help.

## Uploading the Files to Report Manager

The RDL and Report Part files included in this package are ready to be uploaded to Report Manager. Each RDL file also has a corresponding XML file to configure the UI control details.

1. Sign in to the Report Manager Administration Console.
2. Click **Custom Report Management**.
3. Click **Upload Custom Report**.
4. Click **Browse** to navigate to the file you want to upload.

**To upload a report and configure UI controls using a configuration file**

1. Select the RDL file and click **Open**.
2. Select the **Upload a Config File** check box.
3. Click the **Browse** button that appears and navigate to the XML configuration file that corresponds to the RDL file you are uploading.
4. Select the configuration file and click **Open**.
5. Click **Next** to upload the report with the UI controls configured.

**To upload Report Parts**

1. Select a report part or parts file and click **Open**. A single report part is contained in an RSC file; multiple parts are packaged together in an RPZ zip file.
2. Click **Next** to upload the report parts.

3. Report Manager detects the file extension and prompts you for a description of the report part. When parts are uploaded in a zip file, the description is set automatically and this step will be skipped.
4. If applicable, in the **Report Description** field, type a description for the report part and click **Save**.

   *The screen displays a success page and redirects you to the **Custom Report Management** screen.*

## Running the Report

This report has been configured with a Validation Group that contains the following list controls: **Device Class List**, **Rule List** and **Device List**. Each of these list controls also has a dependency upon **Customer List**.

This configuration means that at runtime:

- When a selection is made from Customer List, each of the dependent list controls is populated
- The user can make one or more selections in any combination of the list controls that are included in the Validation Group
- The user is forced to make a selection from at least one of these list controls

All devices that meet selected criteria will be used in the report's calculations.

## Modifying the Report in Report Builder

For further instructions to modify the report in Report Builder, refer to the *Creating Custom Reports* section in the **Report Manager** online help.

# Report Parts

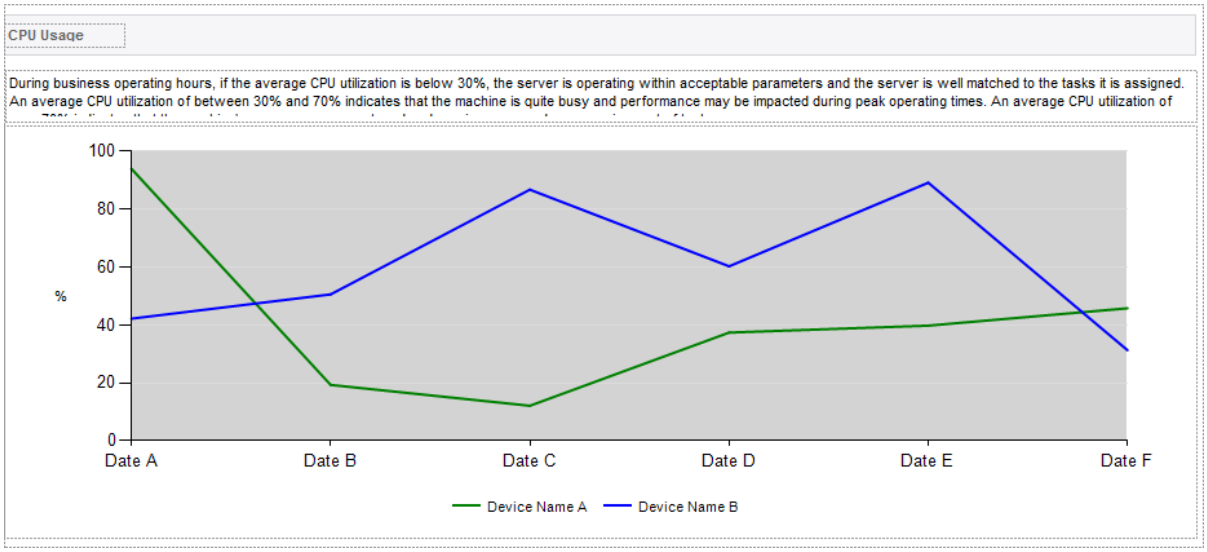
Eight new report parts have been included in this package for your use in custom report creation.

## CPU Usage

**Type of Part**: Chart

**Name to Search on in Report Part Gallery**:

ResourceUtilization_Chart_CPU_Usage_Model




**Type of Part**: Table

**Name to Search on in Report Part Gallery**:

ResourceUtilization_Table_CPUUsage_Model

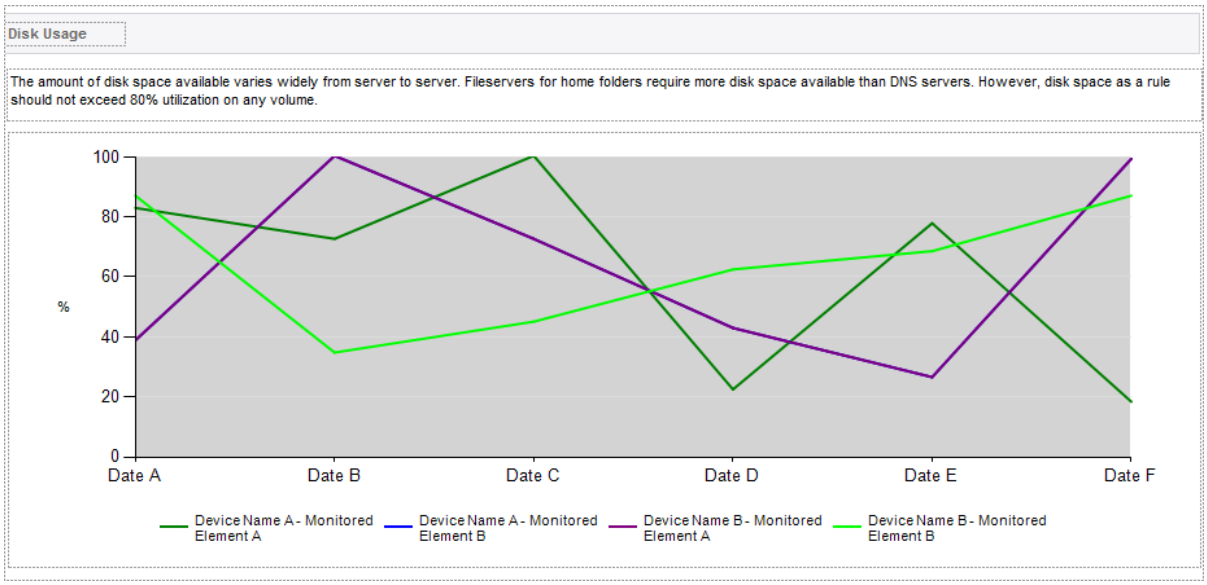
| | CPU Average Usage (%) | | |
|---|---|---|---|
| **Device Name** | **Lowest Hourly** | **Highest Hourly** | **Overall** |
| [Device_Name] | verage_Units_Consu | verage_Units_Cons | «Expr» |

## Disk Usage

**Type of Part**: Chart

**Name to Search on in Report Part Gallery**:

ResourceUtilization_Chart_DiskUsage_Model




**Type of Part**: Table

**Name to Search on in Report Part Gallery**:

ResourceUtilization_Table_DiskUsage_Model

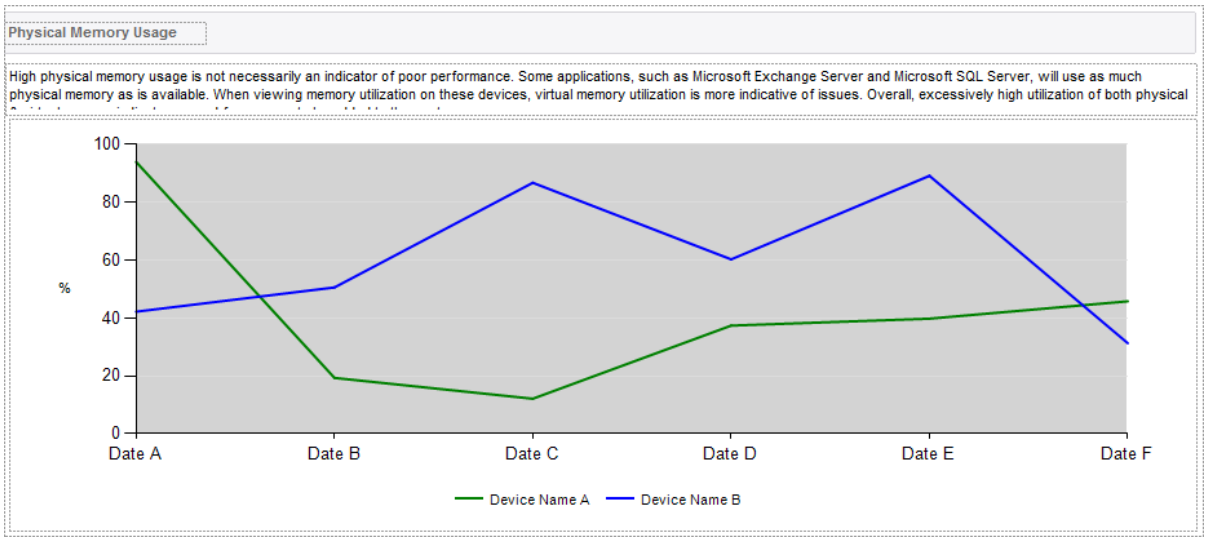
| | | | Disk Average Usage (%) | | |
|---|---|---|---|---|---|
| **Device Name** | **Disk Volume** | **Disk Size** | **Lowest Hourly** | **Highest Hourly** | **Overall** |
| [Device_Name] | [Monitored_Element] | «Expr» GB | ı(Usage_Percentag | x(Usage_Percenta | **«Expr»** |

## Physical Memory Usage

**Type of Part**: Chart

**Name to Search on in Report Part Gallery**:

ResourceUtilization_Chart_PMemUsage_Model




**Type of Part**: Table

**Name to Search on in Report Part Gallery**:

ResourceUtilization_Table_PMemUsage_Model

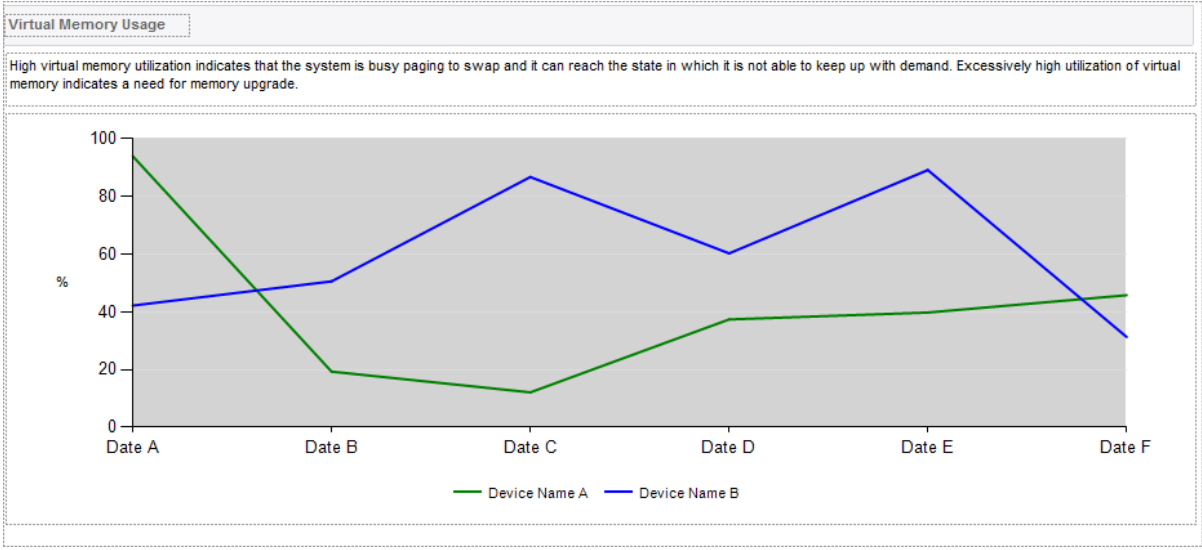
| | | Physical Memory Average Usage (%) | | |
|---|---|---|---|---|
| Device Name | Memory Size | Lowest Hourly | Highest Hourly | Overall |
| [Device_Name] | «Expr» MB | (Usage_Percentag | x(Usage_Percentag | «Expr» |

### Virtual Memory Usage

**Type of Part**: Chart

**Name to Search on in Report Part Gallery**:

ResourceUtilization_Chart_VMemUsage_Model




**Type of Part**: Table

**Name to Search on in Report Part Gallery**:

ResourceUtilization_Table_VMemUsage_Model

| | | Virtual Memory Average Usage (%) | | |
|---|---|---|---|---|
| Device Name | Memory Size | Lowest Hourly | Highest Hourly | Overall |
| [Device_Name] | «Expr» MB | (Usage_Percentag | x(Usage_Percentag | «Expr» |

## Order and Configuration of UI Controls

After uploading a report with one or more of these Report Parts to Report Manager, follow the steps below for configuration.

1. Reorder **Prompts** to match the order in the table below.
2. Create a **Validation Group** and place **Device Class List**, **Rule List** and **Device List** in it.

   ***What this means at runtime:*** User will be forced to make a selection from one of these list controls.
3. Assign **Data Dependency** for **Device Class List**, **Rule List** and **Device List** to **Customer List**.

   ***What this means at runtime:*** When a selection is made from Customer List, each of the list controls that are in a Validation Group and dependent upon Customer list will be populated.
4. The suggested hint help is included in the table below.

*Order and Configuration of UI Controls*

| Prompt | Parameter Name | Parameter Type | Data Dependency | Validation group | Hint Help |
|---|---|---|---|---|---|
| Start Date | StartDate | Date | | | Specify a start date for the reporting period. The reporting period starts at 12:00 am on the selected start date. |
| End Date | EndDate | Date | | | Specify an end date for the reporting period. The reporting period ends at 11:59 pm on the selected end date. |
| Customer | Customer_ ID | Customer List | | | Select the customer for which you would like to generate the report. |
| Device Classes | Device_ Class_ID | Device Class List | Customer List | 1 | Select a device class or device classes. Only devices within the selected device classes will be included in the report. |
| Rules | Rule_ID | Rule List | Customer List | 1 | Select a Rule or Rules. Devices associated to selected Rules will be included in the report. |
| Devices | Device_ID | Device List | Customer List | 1 | Select devices to include in the report. |

## Disclaimer

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