



Quick Start Guide: Veeam Reporter Dashboard

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Use this high-level guide to quickly set up a dashboard for Veeam Reporter™. The sample reports and configuration tables included here allow for the quick creation of dashboard widgets. Whether using the full version of Veeam Reporter or Veeam Reporter Free Edition, you can create working reports and widgets from these examples in minutes.

#1 **for Virtualization™**
Management and Data Protection



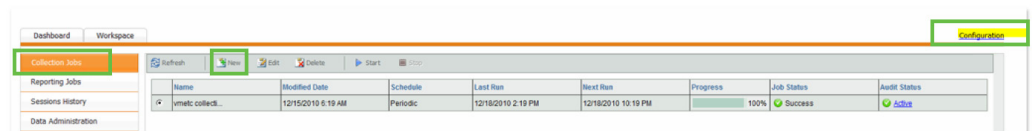
Step 1: Set up a Collection Job

Open the Reporter web UI by going to [http://\[hostname or IP address\]:1239](http://[hostname or IP address]:1239). Log on to an account that has Reporter administrator privileges. Local Windows administrators for the Reporter server should have this right by default.

Click the Configuration link at the top right of the web page to add a new collection job.

You will be prompted to specify your vCenter Server and, if you have unmanaged hosts, to specify your ESX/ESXi hosts.

You will also need to specify the collection schedule. Reporter is not designed to be a real time information tool (Veeam Monitor™ is!), but a collection job can be scheduled to run as frequently as every hour. To start, a schedule of collection every 8–12 hours is recommended.



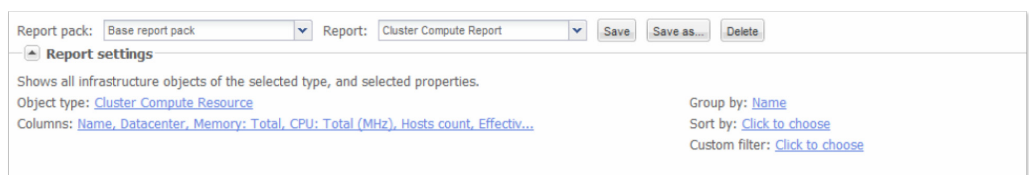
Step 2: Create a Report

Use the Reporter Workspace tab to build reports. Select a Report pack and then select a Report from the drop-down list. Different reports can be created by picking different Object types and Columns.

Experiment with the report settings to generate the kind of report you want. Use the Create Report button to see your results. Save the report when you are satisfied.

Once a report is saved, you can then build widgets for its charts.

Note: All the examples in this guide use reports from the Base Report Pack.

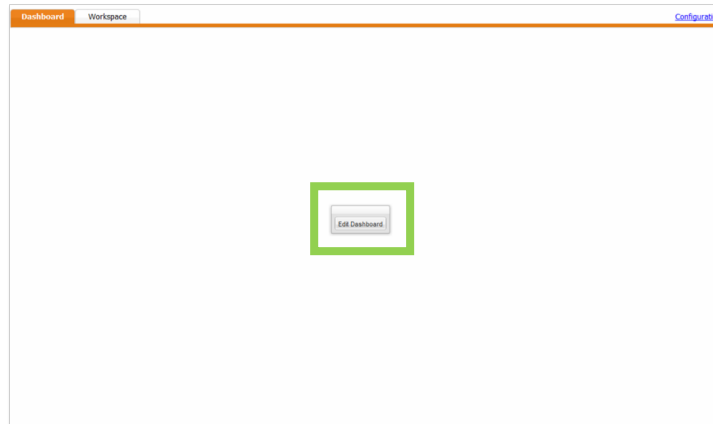


Name	CPU cores count	CPU: Total (MHz)	DRS	DRS automation level	Datacenter	Effective hosts count	Failover level	HA	HA number of host failures allowed	Hosts count	Memory: Total	vMotions count
vmetc: VI 3.5	4	9568	enabled	partiallyAutomated	vmetc	2	-1	disabled		2	19324706816	363
vmetc: vSphere4	5	11868	enabled	manual	vmetc	2	-1	disabled		2	6172004352	2

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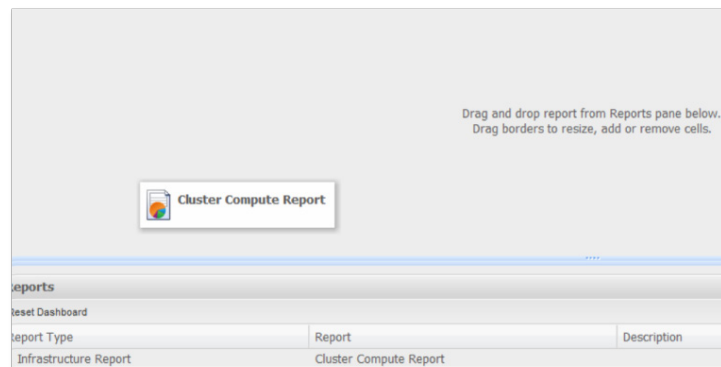
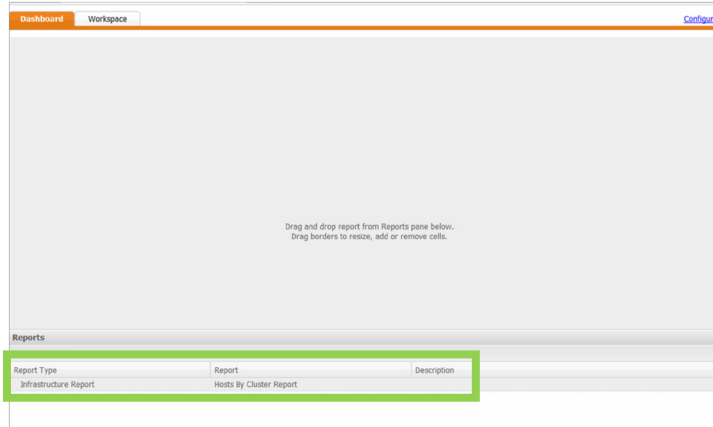
Step 3: Build Widgets

Return to the Dashboard tab of Reporter. Click the floating Edit Dashboard button to enter edit / build mode.

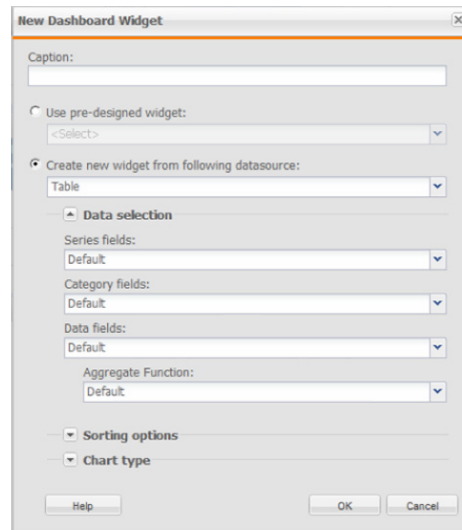


Once in edit mode, you will have to resize the blue lines to create enough space for your widgets. Click and drag the blue lines horizontally and vertically. The blue lines are found at the bottom and right edges.

Once a space is created for a widget, you simply drag and drop a saved report into it from the list at the bottom of the Dashboard page.



After the drag-and-drop, the New Dashboard Widget wizard guides you through the process of creating your widget. You will need to specify Series, Category, Data, Sort order, Chart type and other criteria to complete the widget wizard.



The screenshot shows the 'New Dashboard Widget' dialog box. It has a title bar with a close button (X). The dialog is divided into several sections:

- Caption:** A text input field.
- Use pre-designed widget:** A radio button that is unselected, followed by a dropdown menu showing '<Select>'. Below it is a label 'Create new widget from following datasource:' with a radio button that is selected, followed by a dropdown menu showing 'Table'.
- Data selection:** A section with a collapsed arrow icon. It contains four dropdown menus:
 - Series fields:** Set to 'Default'.
 - Category fields:** Set to 'Default'.
 - Data fields:** Set to 'Default'.
 - Aggregate Function:** Set to 'Default'.
- Sorting options:** A section with a collapsed arrow icon.
- Chart type:** A section with a collapsed arrow icon.

At the bottom of the dialog are three buttons: 'Help', 'OK', and 'Cancel'.

The rest of this document provides some example reports, with screen shots of the report settings, the generated report output, a dashboard with widgets created from the report and a table that describes the configuration settings for each widget.

All the reports and dashboards in this document were created one at a time with Reporter Free Edition. Please be aware that only one report may be saved with Reporter Free Edition. With the full version of Reporter (or the fully functioning 30-day free trial version), you can save all of the report examples included here and create widgets for all the charts you find useful.

Of course, the reports in this guide are just some of many reports you can generate with Reporter. Experiment with the application in your own virtual environment to build the reports and widgets that work best for you!

Example 1: VM Report (By IP Address)

Report pack: Base report pack Report: VM Report (By IP Adress) Save Save as... Delete

Report settings

Shows all infrastructure objects of the selected type, and selected properties.

Object type: [Virtual Machine](#) Group by: [IP address](#)

Columns: [Name](#), [Host system](#), [Datacenter](#), [Connection state](#), [Cluster](#), [Guest OS](#), [Memo...](#) Sort by: [IP address Ascending](#)

Custom filter: [Click to choose](#)

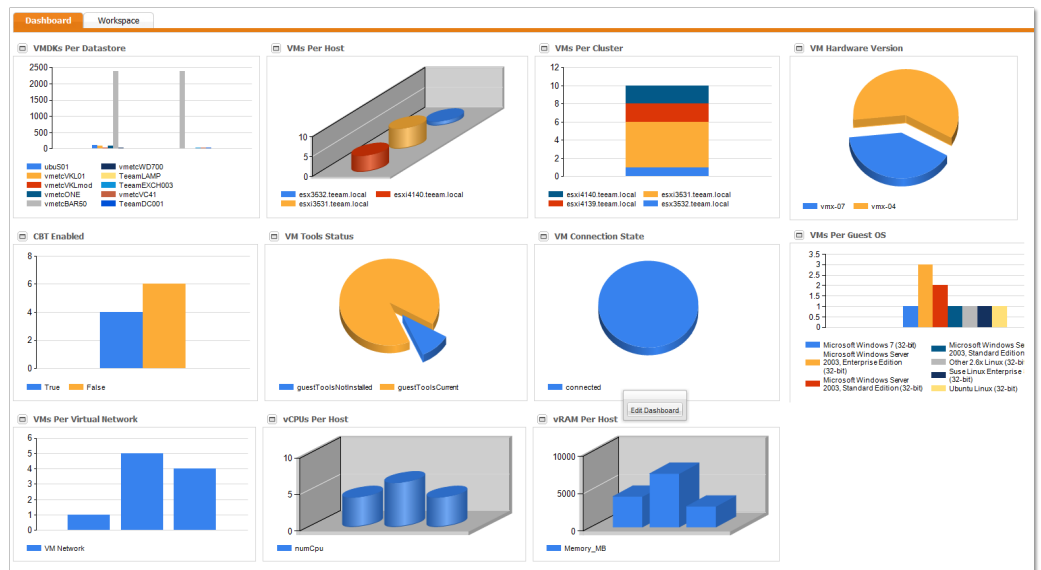
14 of 1 100% Find | Next Select a format Export

VM Report (By IP Address)

IP address	Name	Connection state	Guest OS	Memory Amount (MB)	Number of CPUs	Number of virtual disks	Virtual Disk Size Total	Storage	Network	Version	Runtime info: Max memory usage	Runtime info: Max CPU usage
10.1.1.100	TeamDC001	connected	Microsoft Windows Server 2003, Standard Edition (32-bit)	512	1	1	20.00000	40_LUN1_drobo	VM Network	vmx-07	512	
10.1.1.103												
10.1.1.111												
10.1.1.133	vmetcBAR50	connected	Microsoft Windows Server 2003, Enterprise Edition (32-bit)	2048	2	8	2372.99994	3501_LUN1_drobo	VM Network	vmx-04	2048	
	vmetcBAR50	connected	Microsoft Windows Server 2003, Enterprise Edition (32-bit)	2048	2	8	2372.99994	40_LUN1_drobo	VM Network	vmx-04	2048	
10.1.1.220												
10.1.1.41												
192.168.1.209												
Not set												

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Done Internet | Protected Mode: On



Widget Name	Series Field	Category Field	Data Field	Aggregate Function	Chart Type
VMDKs Per Datastore	Name	Storage	Virtual Disk: Size Total	Sum	Clustered Column
vCPUs Per Host	Default	Host System	Number of CPUs	Sum	3-D Cylinder
vRAM Per Host	Default	Host System	Memory Amount (MB)	Sum	3-D Column
VMs Per Host	Default	Host System	Name	CountDistinct	3-D Cylinder
VMs Per Cluster	Cluster	Host System	Name	CountDistinct	Stacked Column
CBT Enabled	Is change block tracking enabled	Default	Name	CountDistinct	Clustered Column
VM Tools Status	VM Tools Version Status	Default	Name	CountDistinct	Exploded Pie
VM Connection State	Connection State	Default	Name	CountDistinct	Exploded Pie
VM Hardware Version	Version	Default	Name	CountDistinct	Exploded Pie
VMs Per Guest OS	Guest OS	Default	Name	CountDistinct	Clustered Column
VMs Per Virtual Network	Network	Host System	Name	CountDistinct	Clustered Column

Example 2: Hosts by Cluster Report

Report pack: Base report pack Report: Hosts By Cluster Report Save Save as... Delete

Report settings

Shows all infrastructure objects of the selected type, and selected properties.

Object type: [Host System](#) Group by: [Cluster](#)

Columns: [Name](#), [Config issue: Creation time](#), [Config issue: Message](#), [Connection sta...](#) Sort by: [Click to choose](#)

Custom filter: [Click to choose](#)

Memory: Total	Memory: Overall usage (MB)	Config issue: Creation time	Config issue: Message	Datacenter	Is HT available	Connection state	Product	License: Expiration date	License: Feature name	License: Feature units used	License: Source	License: Used units
	4267			vmetc	True	connected	VMware ESXi 3.5.0 build-207095					
	2645			vmetc	True	connected	VMware ESXi 3.5.0 build-207095					
	3095			vmetc	False	connected	VMware ESXi 4.1.0 build-260247					
				vmetc	False	notResponding	VMware ESXi 4.1.0 build-260247					



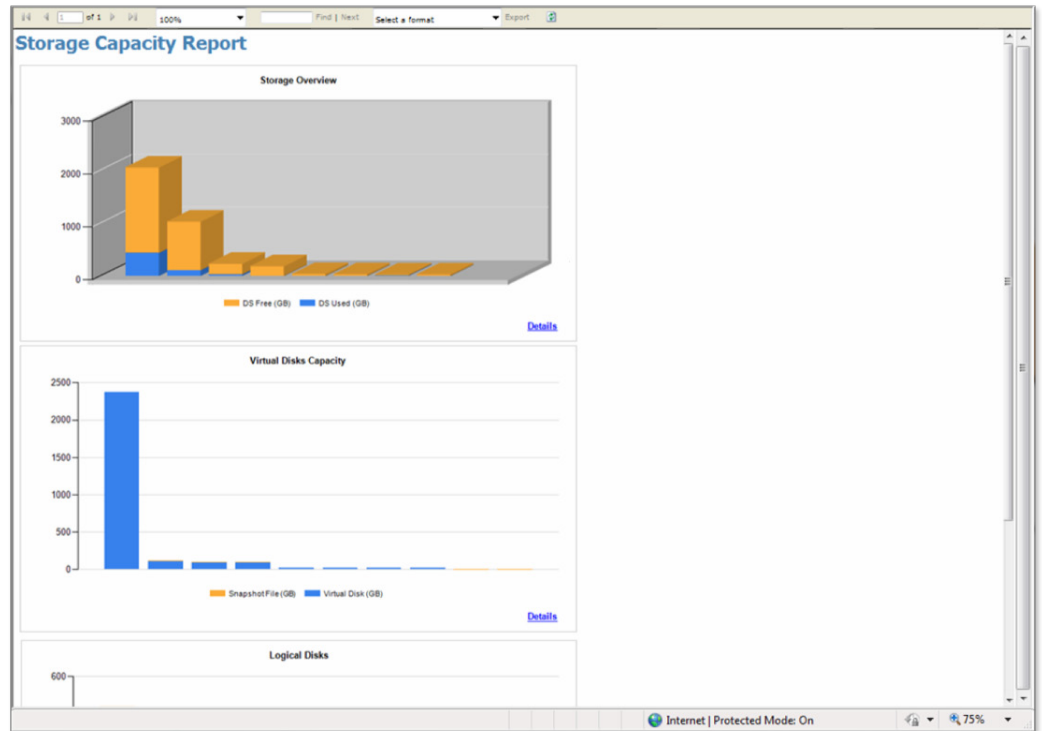
Widget Name	Series Field	Category Field	Data Field	Aggregate Function	Chart Type
ESX Hypervisor Version	Product	Default	Name	Count	Exploded Pie
ESX Host CPU Usage	Name	Cluster	CPU Usage (MHz)	Sum	Clustered Column
ESX RAM Usage	Name	Cluster	Memory Overall Usage (MB)	Sum	Clustered Column
Hosts Per Cluster	Cluster	Default	Name	Count	Stacked Column
Cluster CPU Utilization	Cluster	Default	CPU Usage (MHz)	Sum	3-D Column
Cluster RAM Utilization	Cluster	Default	Memory Overall Usage (MB)	Sum	3-D Cylinder
ESX Host Hardware Vendor Manufacturer	Manufacturer	Default	Name	Count	Exploded Pie
ESX Host Connection State	Connection State	Default	Cluster	Count	Clustered Column

Example 3: Storage Capacity Report

Report pack: Base report pack Report: Storage Capacity Report Save Save as... Delete

Report settings

Shows storage capacity information for datastores, virtual and logical disks.



Widget Name	Series Field	Category Field	Data Field	Aggregate Function	Chart Type
Over Utilized Storage	Use Pre Defined Widget				
Using Storage Overview Datasource					
Datastore Used Space	Default	Name	DS Used	Sum	3-D Cylinder
Using Virtual Disk Capacity Datasource					
Snapshot File Size	Name	Virtual Disk	Snapshot File	Sum	Clustered Column
Top 5 VMs Storage	Default	Name	Virtual Disk	Sum	3-D Column
Using Logical Disks Datasource					
VM Logical Disk Free Space	Name	Default	Free Space	Sum	3-D Column

Example 4: Cluster Compute Report

Report pack: Report:

Report settings

Shows all infrastructure objects of the selected type, and selected properties.
 Object type: [Cluster Compute Resource](#)
 Columns: [Name](#), [Datacenter](#), [Memory: Total](#), [CPU: Total \(MHz\)](#), [Hosts count](#), [Effectiv...](#)

Group by: [Name](#)
 Sort by: [Click to choose](#)
 Custom filter: [Click to choose](#)

Name	CPU cores count	CPU: Total (MHz)	DRS	DRS automation level	Datacenter	Effective hosts count	Failover level	HA	HA number of host failures allowed	Hosts count	Memory: Total	vMotions count
vmetc VI 3.5	4	9568	enabled	partiallyAutomated	vmetc	2	-1	disabled		2	19324706816	363
vmetc vSphere4	5	11868	enabled	manual	vmetc	2	-1	disabled		2	6172004352	2

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Note: You must remove report grouping to use a full report as a widget.

Dashboard Workspace Configure

VMotions Per Cluster

Total RAM Per Cluster

Total CPU Per Cluster

Total Hosts By Cluster

Cluster Compute Report

Name	CPU cores count	CPU: Total (MHz)	DRS	DRS automation level	Datacenter	Effective hosts count	Failover level	HA	HA number of host failures allowed	Hosts count	Memory: Total	vMotions count
vmetc VI 3.5	4	9568	enabled	partiallyAutomated	vmetc	2	-1	disabled		2	19324706816	363
vmetc vSphere4	5	11868	enabled	manual	vmetc	2	-1	disabled		2	6172004352	2

Widget Name	Series Field	Category Field	Data Field	Aggregate Function	Chart Type
VMotions Per Cluster	Default	Name	VMotions Count	Sum	3-D Cylinder
Total RAM Per Cluster	Default	Name	Memory Total	Sum	3-D Column
Total CPU Per Cluster	Default	Name	CPU Total (MHz)	Sum	3-D Column
Tot Hosts By Cluster	Name	Default	Hosts Count	Sum	Stacked Column
Cluster Compute Report	Default	Default	Default	Default	Default

About Veeam Software

Veeam Software, an Elite VMware [Technology Alliance Partner](#), develops innovative software to [manage VMware vSphere](#). Veeam vPower™ provides advanced [Virtualization-Powered Data Protection™](#) and is the underlying technology in Veeam Backup & Replication™, the #1 [VMware backup](#) solution. [Veeam ONE™](#) provides a single solution to optimize the performance, configuration and utilization of VMware environments and includes: Veeam Monitor™ for easy-to-deploy [VMware monitoring](#); Veeam Reporter™ for [VMware capacity planning](#), change management, and reporting and chargeback; and Veeam Business View™ for [VMware business service management](#) and categorization. Learn more about Veeam Software by visiting www.veeam.com.

