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A QUEST SOFTWARE COMPANY

vFoglight™ 5.2.4.5

Cartridge for Guest Process Investigation Reference Guide

DELL

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Views

<Replace this note with an introduction to the chapter and its contents.>

This chapter section contains the following sections topics:

Overview of Views

vFoglight displays monitoring data in views that group, format, and display data. Dashboards are top-level views that do not receive data from other views. Dashboards usually contain a number of lower-level views. The dashboards supplied with vFoglight, as well as those created by users, are available in the navigation panel. Lower-level views in vFoglight can be added to dashboards or can be accessed by drilling down from a dashboard. They receive and display data directly from the vFoglight Management Server or from other views. Some views filter or select data that appears in other views in the same dashboard. Some are tree views with expandable nodes for selecting servers, applications, or data.

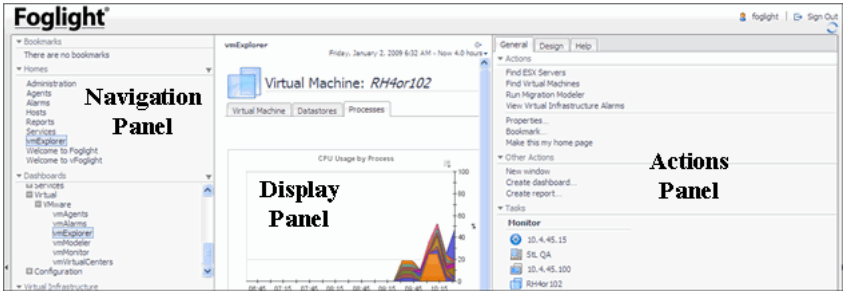
The *vFoglight Cartridge for Guest Process Investigation User Guide* provides detailed procedures on using and configuring this cartridge.

vFoglight GUI Panels

Depending on where you log in as when you log in to vFoglight, you may see either the contents of the first bookmark (the Welcome page is the default) listed under Bookmarks, or a home page. For further details, refer to the *vFoglight User Guide*.

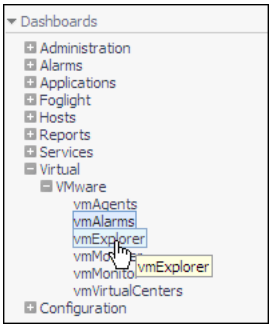
Typically, the GUI is divided into the following three panels:

- The navigation panel on the left.
- The larger display panel in the middle.
- The actions panel on the right.



vmExplorer Dashboard

Cartridge for Guest Process Investigation processes information is viewed from the vmExplorer dashboard. The vmExplorer dashboard is located in the navigation panel of vFoglight, below Dashboards (**Dashboards** >**Virtual**> **VMWare**>**vmExplorer**).

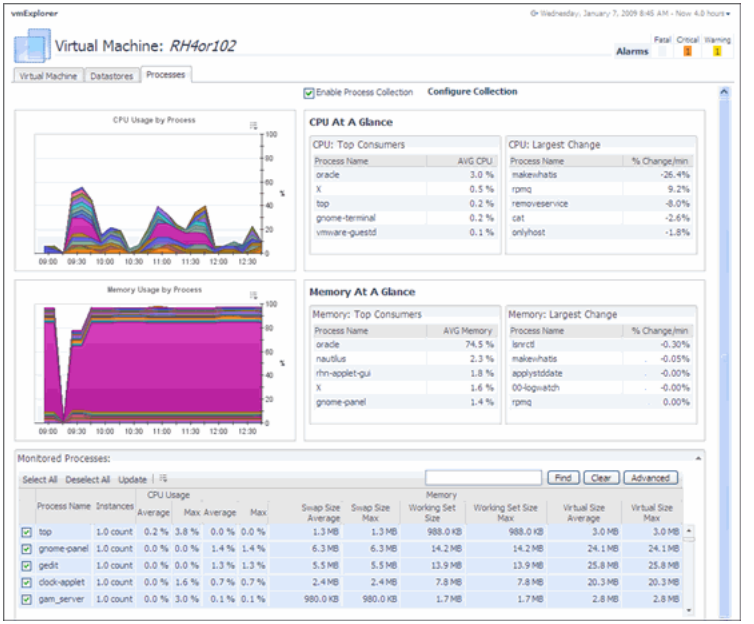


Processes View

To access the process information generated by the Cartridge for Guest Process Investigation, click the **Processes** tab.

Purpose

The Processes dashboard provides an organized view of process information gathered by the Cartridge for Guest Process Investigation from the virtual or physical machine configured to send process information. When you select the Processes tab, all process information for that machine displays, allowing you to view CPU, memory, and monitored processes.



Content and Embedded Views

The content of the Processes dashboard contains the following standard embedded views:

- Understanding %CPU Values in vFoglight
- Memory Usage by Process View
- Memory Usage by Process View
- Memory At A Glance ViewMemory At A Glance View
- Monitored Processes

Understanding %CPU Values in vFoglight

Unlike other data whose values represent a single point in time (when the data is collected), each %CPU data value gathered by the Cartridge for Guest Process Investigation is the average CPU utilization over time between successful data collections. For example, if the configured sample interval is 30 seconds, a process's %CPU utilization is an average of its utilization over the 30 second time period,

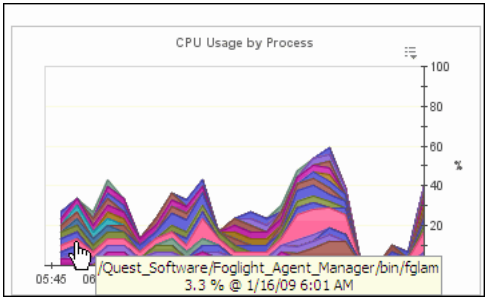
assuming two back-to-back collects were successful. For this reason, decreasing the sample interval results in values that are more "real-time", making individual peaks and valleys become more apparent, while increasing the sample interval does the opposite.

CPU Usage by Process View

This view shows the percentage of CPU usage over a period of time.

Purpose and Content

This view displays the cumulative CPU usage by process over time in percentage. It shows the total process load on the CPU being monitored.

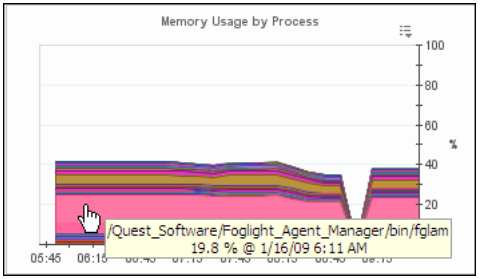


Memory Usage by Process View

This view shows the percentage of memory usage by a process over a period of time.

Purpose and Content

This view shows the load on memory for processes on a given virtual machine. Mousing over the processes displays a popup of the services.



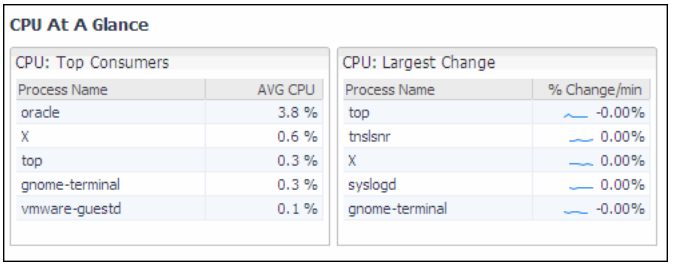
CPU At A Glance View

CPU At A Glance provides a snapshot of CPU usage for the machine being monitored.

Purpose and Content

This view displays how the CPU is being used based on the following:

- The top five processes using the most CPU. These five processes are the “top consumers” for that CPU.
- The top five processes that have had the largest recent change in CPU usage.



CPU At A Glance

CPU: Top Consumers

Process Name	AVG CPU
oracle	3.8 %
X	0.6 %
top	0.3 %
gnome-terminal	0.3 %
vmware-guestd	0.1 %

CPU: Largest Change

Process Name	% Change/min
top	-0.00%
tnslsnr	0.00%
X	0.00%
syslogd	0.00%
gnome-terminal	-0.00%

Memory At A Glance View

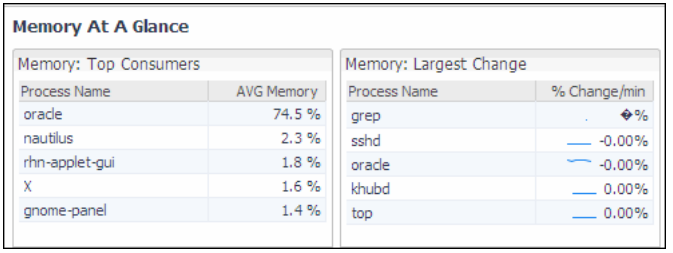
Note It is possible for multi-instance processes to display %Memory values that are over 100%. This occurs because the PS Command used to query the system returns %Memory values that include the memory used by shared libraries. Since the %Memory values for all individual processes are summed to generate the value, the memory used by shared libraries may be included multiple times.

This view provides a snapshot of memory usage for the machine being monitored.

Purpose and Content

This view shows the user how the memory is being used based on the following:

- The top five processes using the most memory. These five processes are the “top consumers” for that memory.
- The top five processes that have had the largest recent change in memory usage.

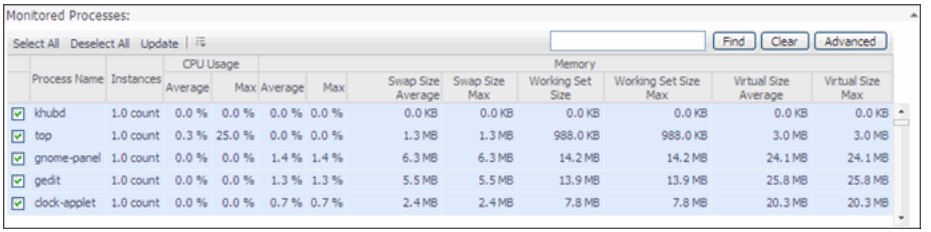


Monitored Processes

This view displays a table of all processes running on a host being monitored.

Purpose and Content

The list is sortable, filterable, and allows you to view all the monitored processes on a host. It provides a snapshot of CPU Usage and memory for each process. You can limit the processes you wish to view by unchecking them or do a text search for a particular process you want to view.



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