



CHAPTER 3

Monitoring Predefined Objects

RTMT provides a set of default monitoring objects that assist you in monitoring the health of the system. Default objects include performance counters or critical event status for the system and other supported services.

This chapter contains information on the following topics:

- [Viewing the System Summary, page 3-1](#)
- [Monitoring Server Status, page 3-1](#)
- [Viewing/Monitoring Predefined System Objects, page 3-2](#)

Viewing the System Summary

The system summary in RTMT allows you to monitor important common information in a single monitoring pane. In system summary, you can view information on the following predefined object:

- Virtual Memory usage
- CPU usage
- Common Partition Usage
- Alert History Log

Additional Information

See the [“Related Topics” section on page 3-3](#).

Monitoring Server Status

The Servers category monitors CPU and memory usage, processes, disk space usage, and critical services for the different applications on the server.

The CPU and Memory monitor provide information about the CPU usage and Virtual memory usage on each server. For each CPU on a server, the information includes the percentage of time that each processor spends executing processes in different modes and operations (User, Nice, System, Idle, IRQ, SoftIRQ, and IOWait). The percentage of CPU equals the total time that is spent executing in all the different modes and operations excluding the Idle time. For memory, the information includes the Total, Used, Free, Shared, Buffers, Cached, Total Swap, Used Swap, and Free Swap memory in Kbytes, and the percentage of Virtual Memory in Use.

The Processes monitor provides information about the processes that are running on the system. RTMT displays the following information for each process—process ID (PID), CPU percentage, Status, Shared Memory (KB), Nice (level), VmRSS (KB), VmSize (KB), VmData (KB), Thread Count, Page Fault Count, and Data Stack Size (KB).

The disk usage monitoring category charts the percentage of disk usage for the common and swap partitions. It also displays the percentage of disk usage for each partition (Active, Boot, Common, Inactive, Swap, SharedMemory) in each host.

The Critical Services monitoring category provides the name of the critical service, the status (whether the service is up, down, or not activated), and the elapsed time during which the services are up and running on the system.

Additional Information

See the “[Related Topics](#)” section on page 3-3.

Viewing/Monitoring Predefined System Objects

RTMT displays information on predefined system objects in the monitoring pane when you select System in the quick launch channel.

[Table 3-1](#) provides information on the predefined object that RTMT monitors.



Tip

To zoom in on the monitor of a predefined object, click and drag the left mouse button over the area of the chart in which you are interested. Release the left mouse button when you have the selected area. RTMT updates the monitored view. To zoom out and reset the monitor to the initial default view, press the “R” key.

Table 3-1 **System Categories**

Category	Description
System Summary	Displays information on Virtual Memory usage, CPU usage, Common Partition Usage, and the alert history log. To display information on predefined system objects, choose System > System Summary.
Server	CPU and Memory—Displays information on CPU usage and Virtual memory usage for the server. To display information on CPU and Virtual memory usage, choose System > Server > CPU and Memory. To monitor CPU and memory usage for specific server, choose the server from the host drop-down list box. Process—Displays information on the processes that are running on the server. To display information on processes running on the system, choose System > Server > Process. To monitor process usage for specific server, choose the server from the Host drop-down list box. Disk Usage—Displays information on disk usage on the server. To display information on disk usage on the system, choose System > Server > Disk Usage. To monitor disk usage for specific server, choose the server from the host drop-down list box. Critical Services—Displays information on the status of services that are running on the server. To display information on critical services, choose System > Server > Critical Services. To display system critical services, click on the system tab. - To display Cisco Unified Communications Manager critical services, click the CallManager tab. - To display Cisco Unity Connection critical services, click the Cisco Unity Connection tab. - To monitor critical services for specific server, choose the server from the host drop-down list box and click the critical services tab in which you are interested.

Additional Information

See the [“Related Topics”](#) section on page 3-3.

Related Topics

- [Viewing the System Summary, page 3-1](#)
- [Monitoring Server Status, page 3-1](#)
- [Viewing/Monitoring Predefined System Objects, page 3-2](#)

