

System Monitor Manual

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Feedback

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COLLABORATORS

	<i>TITLE :</i>		
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Abstract

System Monitor displays system load information in graphical format in a panel.

1 Introduction

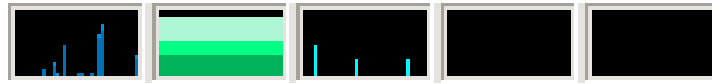


Figure 1: System Monitor

The System Monitor displays system load information in graphical format in a panel. You can configure System Monitor to display the following information for your system:

- Usage of CPU (central processing unit) time
- Memory usage
- Network traffic
- Usage of swap space
- Average system load
- Disk load

1.1 To Add System Monitor to a Panel

To add System Monitor to a panel, right-click on the panel, then choose Add to Panel. Select System Monitor in the Add to the panel dialog, then click OK.

The layout of the System Monitor varies depending on the size and type of panel in which the applet resides.

2 Viewing Graphs

2.1 Displaying Additional Graphs

To configure the System Monitor applet, right-click on the applet, then choose Preferences. Under Monitored Resources you can choose which graphics you want to display:

- Processor
Select this option to display the graph for CPU usage.
 - Memory
Select this option to display the graph for memory usage.
 - Network
Select this option to display the graph for network traffic.
 - Swap Space
Select this option to display the graph for swap-space usage.
 - Load
Select this option to display the graph for average system load.
 - Harddisk
Select this option to display the graph for disk usage.
-

2.2 To Display the Current Usage of a System Resource

To display the current usage of a system resource, position the mouse pointer over the corresponding graph in the applet. A tooltip displays the current usage as a percentage.

2.3 To Display Additional System Monitor Information

To display additional system monitor information, right-click on the applet, then choose Open System Monitor to start the System Monitor application.

The System Monitor application enables you to monitor system processes and usage of system resources. You can use the System Monitor application to modify the behavior of your system.

3 Customizing Appearance

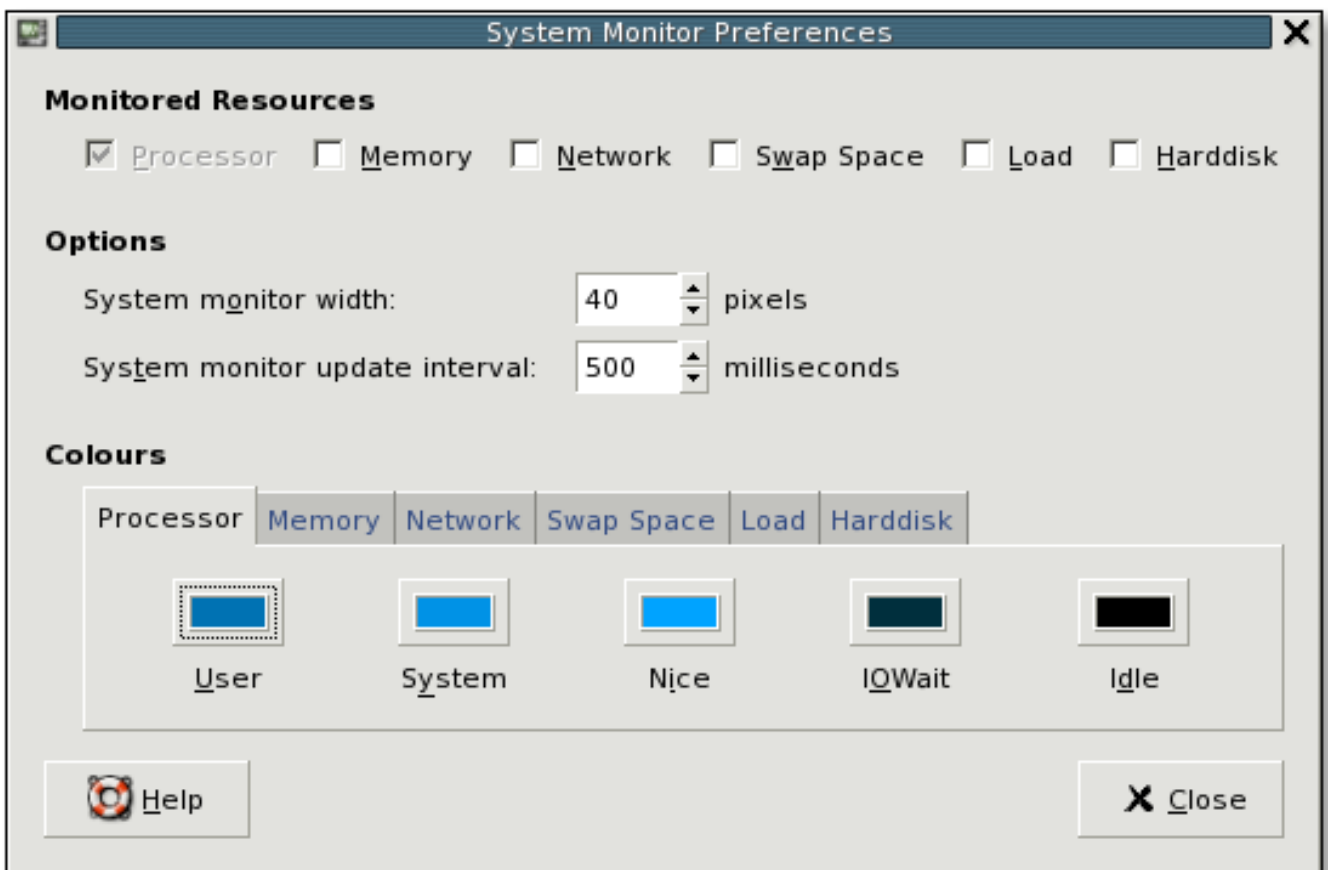


Figure 2: Preferences Dialog

3.1 To Change the Width

In the right-click menu, go to Preferences. Under Options, use the System monitor width spin box to specify the width of each System Monitor graph in pixels.

3.2 To Update at Regular Intervals

In the right-click menu, go to Preferences. Under Options, use the System monitor update interval spin box to specify the interval at which you want to update the graphs in milliseconds.

3.3 Changing the Colors in a Graph

To change the colors in a graph, perform the following steps:

1. Right-click on the applet, then choose Preferences.
2. Select the relevant tab in the Colors area of the System Monitor Preferences dialog.
3. Click on the relevant color selector button in the selected tabbed section.
4. On the Pick a Color dialog, use the color wheel or spin boxes to choose the line color for the selected parameter.
5. Click OK.

The tabbed section for each resource provides color selection buttons that you can use to change the color of the parameters for each resource.

- Processor

Select this tab to display the color buttons for the following parameters:

Parameter	Description
User	Processor time used by non-kernel activities
System	Processor time used by kernel activities
Nice	Processor time used by low-priority processes
IOWait	Processor time used waiting for I/O
Idle	Unused processor capacity

- Memory

Select this tab to display the color buttons for the following parameters:

Parameter	Description
User	Memory used by non-kernel activities
Shared	Memory used by more than one application
Buffers	Memory used to temporarily store sent or received data
Cached	Memory used to store data for fast access
Free	Memory not currently in use

- Network

Select this tab to display the color buttons for the following parameters:

Parameter	Description
SLIP	Serial Line Internet Protocol network connection
PLIP	Parallel Line Internet Protocol network connection
Ethernet	Ethernet network connection
Other	Network connection other than SLIP, PLIP, or Ethernet

Parameter	Description
Background	No network connection

- Swap Space

Select this tab to display the color buttons for the following parameters:

Parameter	Description
Used	Swap space being used by the system
Free	Swap space that is free to be used

- Load

Select this tab to display the color buttons for the following parameters:

Parameter	Description
Average	System Load
Background	that is, no load

- Harddisk

Select this tab to display the color buttons for the following parameters:

Parameter	Description
Read	Disk read rate
Write	Disk write rate
Background	Idle disk time
