NAME

perfmeter – display system performance values in multiple dials or strip charts

SYNOPSIS

perfmeter [**–a**] [**–d**] [**–g**] [**–h** *h-hand-int*] [**–l**] [**–m** *m-hand-int*] [**–n** *sample-filename*] [**–name** *app-name*] [**–p** *page-length*] [**–s** *sample-time*] [**–t** *value*] [**–v**] [**–C** *chart ceiling*] [**–H**] [**–L**] [**–M** *chart smax minmax maxmax*] [**–S**] [**–V**] [**–Wn**] [**+Wn**] [*hostname*]

AVAILABILITY

This command is available with the OpenWindows environment.

DESCRIPTION

perfmeter is an OpenWindows XView utility that displays performance values (statistics) for a given *hostname*. If no host is specified, statistics on the current host are metered. The **rstatd**(1M) daemon must be running on the machine being metered.

perfmeter has two display formats. You can display performance values in the form of strip charts (the default) . Alternatively, the performance information can be displayed in the form of multiple meter dials. By default, the display is updated with a *sample-time* of 2 seconds. The hour hand of a meter represents the average over a 20-second interval; the minute hand, the average over 2 seconds. The default value displayed is the percent of CPU being utilized.

The maximum scale value for the strip chart will automatically double or halve to accommodate increasing or decreasing values for the host machine. This scale can be restricted to a certain range with the **–M** option.

OPTIONS

–a Display all the performance values simultaneously.

–d Start the **perfmeter** display, by showing metered dials.

–g Start the **perfmeter** display, by showing strip charts.

–h *h-hand-int*
Set the hour-hand interval to *h-hand-int* seconds.

–l Log the **perfmeter** samples to a file.

–m *m-hand-int*
Set the minute hand interval to *m-hand-int* seconds.

–n *sample-filename*
Name of the file to use, when saving **perfmeter** samples.

–name *app-name*
This option specifies the application name under which resources are to be obtained, rather than the default executable file name. *app-name* should not contain ''.'' or ''*'' characters.

–p *page-length*
Sets the page length for **perfmeter** samples written to file. The default is 60 lines per page.

–s *sample-time*
Set the sample time to *sample-time* seconds.

–t *value*
This option can be present multiple times, and it determines which performance value are to be monitored. The following options are available:

- **cpu** Percent of CPU being utilized.
- **pkts** Ethernet packets per second.
- **page** Paging activity in pages per second.
- **swap** Jobs swapped per second.
- **intr** Number of device interrupts per second.
- **disk** Disk traffic in transfers per second.
- **cntxt** Number of context switches per second.
- **load** Average number of runnable processes over the last minute.
- **colls** Collisions per second detected on the ethernet.
- **errs** Errors per second on receiving packets.

–v Show version number

–C *chart ceiling*
Set a ceiling value for a given strip chart. If the value goes beyond this ceiling and **perfmeter** is running on a color screen, then this portion of the strip chart will be displayed in red.

–H Multiple dials or strip charts will be displayed initially in a horizontal direction.

–L If the **–g** option is present, then initially display the strip charts in line format. direction.

–M *chart smax minmax maxmax*
Set a range of maximum values for the given strip chart. Values for each of the arguments should be powers of 2. *smax* sets the starting maximum-value. *minmax* sets the lowest allowed maximum-value for the scale. *maxmax* sets the highest allowed maximum-value.

–S If the **–g** option is present, then initially display the strip charts in a solid filled format.

–V Multiple dials or strip charts will be displayed initially in a vertical direction.

–Wn Start **perfmeter** with no title line.

+Wn Start **perfmeter** with a title line present.

USAGE

Commands

You can add extra values to be monitored by clicking the MENU mouse button, and selecting from the popup menu. Alternatively, you can select **Properties** from this menu, and this will bring up the property sheet for the tool. The property sheet will allow you to modify what the **perfmeter** is monitoring, which direction graphs or dials are displayed in, whether to display dials or graphs, if the graph is solid or lined, whether to monitor a local machine or a remote one, and how often it checks.

Note that **perfmeter** does not try to do a best fit, given the shape of the window and the number of graphs you wish to display. For example, if the display direction is vertical, and you are currently displaying ten graphs in a tall narrow window, then resizing the window to be short and wide will result in ten very thin wide graphs.

Most meter parameters can be modified through the use of keyboard accelerators. Move the pointer into the window and type one of the following keyboard keys:

d Toggle the direction the graphs or dials are displayed in, between horizontal and vertical.

g Toggle the display between graphs and dials.

h Decrease *hourhandintv* by one

H Increase *hourhandintv* by one

m Decrease *minutehandintv* by one

M Increase *minutehandintv* by one

q Quit the **perfmeter**

s If graphs are being displayed, toggle between lined and solid graphs.

S Toggle the saving of samples to file.

t Toggle between the monitoring of the local machine and a remote machine. Note that a remote machine name must have already been setup via the tools property sheet.

1–9 Set *sampletime* to a range from 1 to 9 seconds.

On startup, **perfmeter** will use the following X resources:

Resource: deskset.perfmeter.displayGraph
Values: True, False (True)
Description Indicates whether **perfmeter** should be started showing strip graphs or metered dials.

Resource: deskset.perfmeter.hourInterval
Values: Hour hand interval (numeric)
Description Set the hour-hand interval to this number of seconds.

Resource: deskset.perfmeter.minInterval
Values: Minute hand interval (numeric)
Description Set the minute-hand interval to this number of seconds.

Resource: deskset.perfmeter.sampleTime
Values: Sample time (numeric)
Description The interval in seconds, between which samples are taken.

Resource: deskset.perfmeter.resizeGraphView
Values: True, False (True)
Description Indicates whether changing the number of graphs being monitored,

should cause the window to be resized.

Resource: deskset.perfmeter.showLocal
Values: True, False (True)
Description Indicates whether the local or the remote host should be initially displayed.

Resource: deskset.perfmeter.monitor
Values: Values to monitor (string)
Description A comma separated list of different values to monitor. These values are identical to their command line equivalents.

Resource: deskset.perfmeter.machine
Values: Machine to monitor (string)
Description The machine for which the strip graphs or metered dials will be displayed.

Resource: deskset.perfmeter.displayVertical
Values: True, False (True)
Description Indicates whether the strip graphs or metered dials will be displayed in a horizontal or vertical direction.

Resource: deskset.perfmeter.graphSolid
Values: True, False (False)
Description If the strip graphs are being displayed, this resource indicates whether lined or solid graphs are displayed.

Resource: deskset.perfmeter.cpuMaxValues
Values: Starting, lowest and highest maximum values (numeric)
Description The starting, lowest and highest maximum values for the cpu graph or dial.

Resource: deskset.perfmeter.pktsMaxValues
Values: Starting, lowest and highest maximum values (numeric)
Description The starting, lowest and highest maximum values for the pkts graph or dial.

Resource: deskset.perfmeter.pageMaxValues
Values: Starting, lowest and highest maximum values (numeric)
Description The starting, lowest and highest maximum values for the page graph or dial.

Resource: deskset.perfmeter.swapMaxValues
Values: Starting, lowest and highest maximum values (numeric)
Description The starting, lowest and highest maximum values for the swap graph or

dial.

Resource: deskset.perfmeter.intrMaxValues
Values: Starting, lowest and highest maximum values (numeric)
Description The starting, lowest and highest maximum values for the intr graph or dial.

Resource: deskset.perfmeter.diskMaxValues
Values: Starting, lowest and highest maximum values (numeric)
Description The starting, lowest and highest maximum values for the disk graph or dial.

Resource: deskset.perfmeter.cntxtMaxValues
Values: Starting, lowest and highest maximum values (numeric)
Description The starting, lowest and highest maximum values for the cntxt graph or dial.

Resource: deskset.perfmeter.loadMaxValues
Values: Starting, lowest and highest maximum values (numeric)
Description The starting, lowest and highest maximum values for the load graph or dial.

Resource: deskset.perfmeter.collMaxValues
Values: Starting, lowest and highest maximum values (numeric)
Description The starting, lowest and highest maximum values for the coll graph or dial.

Resource: deskset.perfmeter.errMaxValues
Values: Starting, lowest and highest maximum values (numeric)
Description The starting, lowest and highest maximum values for the err graph or dial.

Resource: deskset.perfmeter.collectWhenObscured
Values: True, False (True)
Description Indicates whether data will be monitored and cached, when the perfmeter window is fully obscured.

Resource: deskset.perfmeter.hasTitle
Values: True, False (False)
Description Indicates whether the **perfmeter** window has a title line.

Resource: deskset.perfmeter.labelFont
Values: Font name string
Description The name of the font used to display all the labels for the dials and graphs.

Resource: deskset.perfmeter.saveSamples
Values: True, False (False)
Description Indicates whether **perfmeter** should save monitored sample values to disk.

Resource: deskset.perfmeter.sampleFilename
Values: Filename (string)
Description Name of the file to save sample in. If no filename is given, **perfmeter** creates a unique filename in the users home directory.

Resource: deskset.perfmeter.samplePageLength
Values: Sample file page length (numeric)
Description The page length (in lines) in the sample file. If no value is given, the default is 60.

Resource: deskset.perfmeter.cpuColor
Values: Color name string or hexadecimal color specification string
Description The color of the cpu strip chart.

Resource: deskset.perfmeter.pktsColor
Values: Color name string or hexadecimal color specification string
Description The color of the pkts strip chart.

Resource: deskset.perfmeter.pageColor
Values: Color name string or hexadecimal color specification string
Description The color of the page strip chart.

Resource: deskset.perfmeter.swapColor
Values: Color name string or hexadecimal color specification string
Description The color of the swap strip chart.

Resource: deskset.perfmeter.intrColor
Values: Color name string or hexadecimal color specification string
Description The color of the intr strip chart.

Resource: deskset.perfmeter.diskColor
Values: Color name string or hexadecimal color specification string
Description The color of the disk strip chart.

Resource: deskset.perfmeter.cntxtColor
Values: Color name string or hexadecimal color specification string
Description The color of the cntxt strip chart.

Resource: deskset.perfmeter.loadColor
Values: Color name string or hexadecimal color specification string

Description The color of the load strip chart.

Resource: deskset.perfmeter.collColor
Values: Color name string or hexadecimal color specification string
Description The color of the coll strip chart.

Resource: deskset.perfmeter.errColor
Values: Color name string or hexadecimal color specification string
Description The color of the err strip chart.

Resource: deskset.perfmeter.ceilingColor
Values: Color name string or hexadecimal color specification string
Description The color used when any strip chart goes above its ceiling value.

Resource: deskset.perfmeter.ceilingStyleSolid
Values: True, False (False)
Description Indicates how the graph line should be drawn on solid graphs when the current value is above the ceiling value. Setting this resource true indicates that the full line will be drawn in the ceiling color; setting it false means that only the portion above the ceiling value will be drawn in the ceiling color.

Resource: deskset.perfmeter.cpuCeiling
Values: cpu ceiling value (numeric)
Description The ceiling value to use when displaying the cpu strip chart. Values above this will be displayed in a different color on color screens.

Resource: deskset.perfmeter.pktsCeiling
Values: pkts ceiling value (numeric)
Description The ceiling value to use when displaying the pkts strip chart. Values above this will be displayed in a different color on color screens.

Resource: deskset.perfmeter.pageCeiling
Values: page ceiling value (numeric)
Description The ceiling value to use when displaying the page strip chart. Values above this will be displayed in a different color on color screens.

Resource: deskset.perfmeter.swapCeiling
Values: swap ceiling value (numeric)
Description The ceiling value to use when displaying the swap strip chart. Values above this will be displayed in a different color on color screens.

Resource: deskset.perfmeter.intrCeiling
Values: intr ceiling value (numeric)
Description The ceiling value to use when displaying the intr strip chart. Values

above this will be displayed in a different color on color screens.

Resource: deskset.perfmeter.diskCeiling
Values: disk ceiling value (numeric)
Description The ceiling value to use when displaying the disk strip chart. Values above this will be displayed in a different color on color screens.

Resource: deskset.perfmeter.cntxtCeiling
Values: cntxt ceiling value (numeric)
Description The ceiling value to use when displaying the cntxt strip chart. Values above this will be displayed in a different color on color screens.

Resource: deskset.perfmeter.loadCeiling
Values: load ceiling value (numeric)
Description The ceiling value to use when displaying the load strip chart. Values above this will be displayed in a different color on color screens.

Resource: deskset.perfmeter.collCeiling
Values: coll ceiling value (numeric)
Description The ceiling value to use when displaying the coll strip chart. Values above this will be displayed in a different color on color screens.

Resource: deskset.perfmeter.errCeiling
Values: err ceiling value (numeric)
Description The ceiling value to use when displaying the err strip chart. Values above this will be displayed in a different color on color screens.

FILES

/etc/inetd.conf starts statistics server

SEE ALSO

xview(7), **netstat**(1M), **rstatd**(1M), **vmstat**(1M)
Solaris User's Guide
"About Performance Meter" in the Help Handbook available through the Help option on the Workspace menu.