ManageEngine Free Tools User Manual

Free XenServer Health Monitor

Getting Started

ManageEngine Free XenServer Health Monitor is a lightweight and powerful, Windows-based tool that helps administrators in monitoring the performance/health of Citrix XenServer and the virtual machine instances deployed in that server.

Settings

Upon startup, key in the below details in the settings window:

- Hostname/IPAddress - IP Address/DNS name of the machine hosting XenServer
- Port - Port at which XenServer is listening, default is 80
- Username
- Password

Once the connection is established, the below mentioned parameters and metrics of the host will be displayed:

- Hostname
- IP Address
- Version
- UUID
- VM Count
- CPU Count
- CPU Utilization
- Memory Utilization
- Total Memory in MB
- Interface Count
- Network Tx/Rx rate in Mbps

Polling happens periodically and the performance metrics gets refreshed in real time at an interval of 30 seconds.

Note : If the connection is not successful, appropriate error messages will be popped up.

The list of virtual machine instances running on the server gets listed in left side tree view. Click on a specific VM to view its details and performance metrics. Below mentioned parameters/performance metrics are updated for the virtual machines:

- VM Name
- Status of the VM
- OS Name (If XenServer Tools are not Installed, it will be changed to Tools Status)
- CPU Utilization
- Memory Utilization
- Total Memory in MB
- Interface Count

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- Network Tx/Rx rate in Mbps
- Disk Read/Write rate in KBps

Adding host for monitoring

To add another XenServer host for monitoring, click on Settings, enter the required credentials to connect to the server and start monitoring.

Refresh

Clicking the Refresh icon would refresh the tool completely, (ie) all the XenServer hosts being monitored will be re-discovered and tree view will be updated with currently available list of virtual machines and all the virtual machines deleted/suspended will be removed from the tree view.

Delete

You can delete the host being monitored by just clicking on the Delete icon present at the right side of the host node in tree view.

Threshold

Critical performance metrics like CPU and Memory Utilization are checked against various threshold levels internally and color of bar graphs of respective metric is changed accordingly. The details of the various threshold levels and mapped color representation is given below,

Threshold Level	Value Range	Color
Normal	0-60	Green
Caution	60-70	Yellow
Warning	70-85	Orange
Critical	➢ 85	Red

Retain Settings

The tool retains the host server credentials entered in the settings window for subsequent restarts.

Note: XenServer Tools must be installed on each of the VMs to use this tool. Refer Citrix product documentation for further details. Here is a step by step guide to install XenServer Tools in your VMs.