

Nagios XI - Windows Memory Usage - Physical

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Problem Description

After running the Windows Server wizard you notice that the Windows memory usage checks have values that do not match up with the physical memory in the server.

Explanation

The checks created by the wizard use the `check_nt` plugin with the `MEMUSE` command.

Windows refers to the sum of memory and swap files, that is, the entire available virtual memory. Windows regularly swaps program and data code from the main memory, even when it still has spare reserves. The values returned aren't necessarily a bug in Nagios XI or NSClient++, but rather a view of the virtual memory of the machine.

In this respect the load of the entire virtual memory in Windows is the more important parameter to observe over simply physical or swap.

However if you want to monitor the physical memory in the server you will need to change the command to use the `check_nrpe` plugin along with enabling the NRPE module in NSClient++.

Creating Physical Memory Check

First, please refer to these guides in enabling the NRPE Listener module in NSClient++:

[Nagios KB - Configuring NSClient++](#)

Next, you will create / edit the service in Core Configuration Manager (CCM) to use the `check_nrpe` command along with the `CheckMEM` arguments. Please refer to the following screenshot:

Service Management

Common Settings | **Check Settings** | Alert Settings | Misc Settings

Config Name * Windows 7 MediaCenter	Check command check_nrpe
Description * Memory Used	Command view \$USER1\$/check_nrpe -H \$HOSTADDRESS\$ -t 55 -c \$ARG1\$ \$ARG2\$
Display name <input type="text"/>	\$ARG1\$ CheckMEM
Manage Hosts 1	\$ARG2\$ -a ShowAll type=physical MaxWarn=80% MaxCrit=!
Manage Templates 1	\$ARG3\$
Manage Host Groups 0	\$ARG4\$

Manage Servicegroups 0

Active ⓘ

\$ARG5\$

\$ARG6\$

\$ARG7\$

\$ARG8\$

▶ Run Check Command

Save Cancel

In the screenshot above, the \$ARG2\$ field is populated with:

```
-a ShowAll type=physical MaxWarn=80% MaxCrit=90%
```

Once created, save and then Apply Configuration.

Final Thoughts

For any support related questions please visit the [Nagios Support Forums](#) at:

<http://support.nagios.com/forum/>

Posted by: **tlea** - Tue, Jan 26, 2016 at 11:52 PM. This article has been viewed 6239 times.

Online URL: <https://support.nagios.com/kb/article/nagios-xi-windows-memory-usage-physical-169.html>