

# Nagios XI - Monitoring Performance Counters in Nagios Using NCPA

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## Monitoring Performance Counters in Nagios Using NCPA

This article describes how you can monitor Windows Performance Counters in Nagios XI. This article will show you how to do this using Core Configuration Manager (CCM).

This article is going to focus on the following performance counter:

```
"\Memory\Available MBytes"
```

Which is referenced by NCPA in the following format:

```
'windowscounters/Memory/Available%20MBytes'
```

**Note:** When spaces are involved, %20 is required to emulate the space:

Warning threshold will be set to 500 and critical 256.

## Requirements

You need to install NCPA to be able to monitor performance counters in Nagios XI. Please refer to the [installing NCPA](#) KB article if you have not already done so.

You will also need to have the host already monitored by Nagios XI (you can do this using the NCPA wizard). In this example, the host is called `win7-01` and the host has the token `uumrdrd3p704`.

## Create The Service

Click the **Configure** menu

Click **Core Configuration Manager**

In the left pane under **Monitoring** click **Services**

Click the **Add New** button

Populate the fields on each tab as follows:

### Common Settings

Config Name	win7-01
Description	Memory Available
Manage Hosts button	Select win7-01
Manage Templates button	Select xiwizard_ncpa_service
Check command	check_xi_ncpa_agent
\$ARG1\$	-t 'uumrdrd3p704' -P 5693 -M 'windowscounters/Memory/Available%20MBytes' -w 500: -c 256:

### Check Settings

Check interval	5
Retry interval	1

Max check attempts	5
Check period	xi_timeperiod_24x7

### Alert Settings

Complete any notification options as required

Click **Save**

Click **Apply Configuration**

Now the settings have been applied, click the **magnifying glass** on the **right** of the **menu** bar.

Search for **Memory Available**

In the search result, click on the new service **Memory Available**

You should see something like the following:

The screenshot shows the Nagios XI interface for a service named 'Memory Available'. At the top, there is a navigation bar with 'Overview' and several icons. Below this, a green checkmark icon indicates the service is 'OK'. The main status message reads: 'OK: \Memory\Available MBytes was 1306Available MBytes'. Below the status message, there are two columns: 'Status Details' and 'Quick Actions'. The 'Status Details' column contains a table with the following information:

Service State:	● Ok
Duration:	3m 30s
Service Stability:	Unchanging (stable)
Last Check:	2016-04-01 12:00:25
Next Check:	2016-04-01 12:05:25

The 'Quick Actions' column contains four links: 'Disable notifications', 'Force an immediate check', 'Action URL', and 'Notes URL'. Below these columns is a section titled 'Acknowledgements and Comments' which states 'No comments or acknowledgements.'

This completes monitoring a performance counter using NCPA.

## Summary

At this point you should have an understanding of how to configure Nagios XI to monitor performance counters.

## Final Thoughts

For any support related questions please visit the [Nagios Support Forums](http://support.nagios.com/forum/) at:

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

