

How To Monitor Windows Using NSClient++ in Nagios XI 5

Purpose

This document describes how to monitor Microsoft Windows using the NSClient++ in Nagios XI 5.

Note: the NSClient++ wizard was updated in Nagios XI 2024R2, and now supports `check_nrpe`, which offers greater flexibility than `check_nt`, and longer-term support since `check_nt` is deprecated in NSClient 0.6+. For best results, upgrade to Nagios XI 2024R2, and use the [latest wizard](#).

Overview

NSClient++ must be installed on the target Windows machine before Nagios XI can monitor system metrics, services, processes, or performance data on the target machine. If you haven't installed the NSClient++ agent on the remote machine, please, refer to our documentation on [installing the XI Windows agent](#).

The method for communicating with NSClient++ is explained as follows:

- `check_nt`
 - This is the most common method used
 - The **NSClient++** configuration wizard uses this method
 - It provides basic functionality, cannot be customized much

NSClient++ Configuration Wizard

To use the **NSClient++** configuration wizard you need to have NSClient++ installed as per the following documentation on [installing the Windows Agent NSClient++ for Nagios XI](#).

No additional configuration steps are required after following this documentation.

To begin using the wizard, navigate via the top menu bar to **Configure > Configuration Wizards** and select the desired wizard. This documentation will focus on the **NSClient++** wizard. In the following screenshot you can see how the search field allows you to quickly find a wizard.

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Show:

Search...



NSClient++

Monitor Windows using the legacy monitoring agent.
(Deprecated)

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Host Information

IP Address:

The IP address of the Windows system you'd like to monitor.

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Host Details

IP Address:

Host Name:

The name you'd like to have associated with this Windows system.

NSClient++ Agent

You'll need to install an agent on the Windows system in order to monitor it. For security purposes, it is recommended to use a password with the agent.

This config wizard is **deprecated**. We recommend using the Windows Server or Windows Desktop configuration wizard instead.

32-Bit Agent

64-Bit Agent

Agent Download:

Downloaded by 0.0.0.0 (32bit)

Agent Password:

Valid characters include: a-zA-Z0-9_!@#%&*~.-

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With the Services checks, select any of the predefined services in the list or add your own.

Services

Specify any services that should be monitored to ensure they're in a running state.

Windows Service	Display Name
<input type="checkbox"/> W3SVC	IIS Web Server
<input type="checkbox"/> MSSQLSERVER	SQL Server
<input checked="" type="checkbox"/> usbredirectorsrv	USB Redirector Service
<input type="checkbox"/>	

[Add Row](#) | [Delete Row](#)

Processes

Specify any processes that should be monitored to ensure they're running.

Windows Process	Display Name
<input checked="" type="checkbox"/> explorer.exe	Explorer
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

[Add Row](#) | [Delete Row](#)

With the Processes checks, select any of the predefined services in the list or add your own.

With the Performance Counter checks, select any of the predefined counters in the list or add your own.

Performance Counters

Specify any performance counters that should be monitored.

Performance Counter	Display Name	Counter Output Format	Warning	Critical
<input type="checkbox"/> \\Paging File(_Total)\\% Usage	Page File Usage	Paging File usage is %.2f %%	70	90
<input checked="" type="checkbox"/> \\Server\\Errors Logon	Logon Errors	Login Errors since last reboot is %	2	20
<input type="checkbox"/> \\Server Work Queues(0)\\Queue	Server Work Queues	Current work queue (an indicatio	4	7
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				

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Once you've finished selecting all the items you wish to monitor click **Next** and then complete the wizard by choosing the required options in Step 3 - Step 5.

To finish up, click on **Finish** in the final step of the wizard. This will create new hosts and services and begin monitoring. Once the wizard applies the configuration, click the **View status details** for <your host> link to see the new host and services that were created.

Host	Service	Status	Duration	Attempt	Last Check	Status Information
10.25.11.2	CPU Usage	Ok	3m 58s	1/5	2017-10-12 14:01:56	CPU Load 5% (5 min average)
	Drive C: Disk Usage	Ok	3m 40s	1/5	2017-10-12 14:02:14	C:\ - total: 465.27 Gb - used: 19.02 Gb (4%) - free 446.26 Gb (96%)
	Explorer	Ok	8m 20s	1/5	2017-10-12 14:02:37	explorer.exe: Running
	Logon Errors	Ok	7m 40s	1/5	2017-10-12 14:03:14	Login Errors since last reboot is 0
	Memory Usage	Ok	7m 12s	1/5	2017-10-12 14:03:42	Memory usage: total:9361.05 MB - used: 1811.79 MB (19%) - free: 7549.26 MB (81%)
	Ping	Ok	15m 45s	1/5	2017-10-12 14:05:08	OK - 10.25.11.2: rta 0.444ms, lost 0%
	Uptime	Ok	6m 3s	1/5	2017-10-12 14:04:51	System Uptime - 192 day(s) 16 hour(s) 16 minute(s)
	USB Redirector Service	Ok	6m 14s	1/5	2017-10-12 14:04:40	usbredirectorsrv: Started

This completes using the **NSClient++** wizard.

Finishing Up

This completes the documentation on how to monitor Microsoft Windows using the NSClient++ in Nagios XI. If you have additional questions or other support-related questions, please visit us at our Nagios Support Forum, Nagios Knowledge Base, or Nagios Library:

[Visit Nagios Support Forum](#)

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