

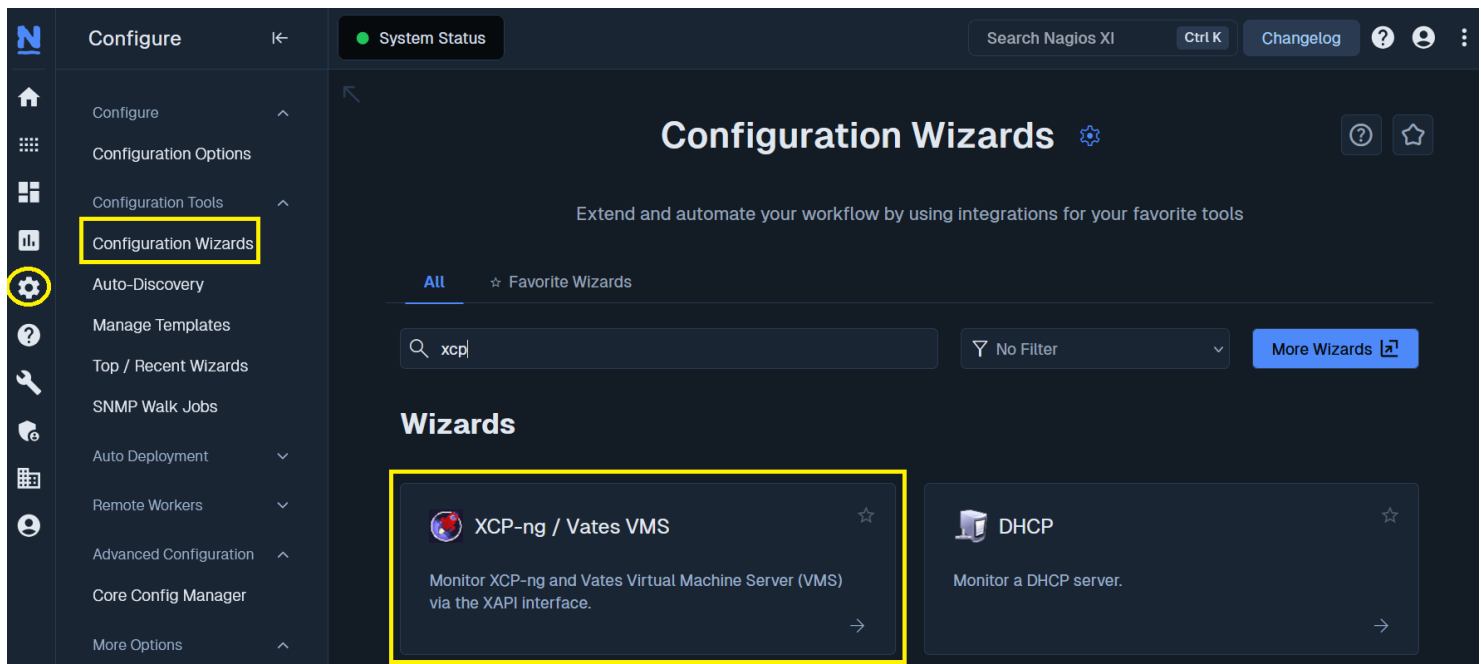
How To Monitor XCP-ng With Nagios XI 2026

Purpose

This document describes how to use the XCP-ng / Vates VMS Wizard in **Nagios XI 2026R1.5+** to monitor pool master metrics such as pool health and VDI usage, as well as VM and Host metrics such as CPU, Disk I/O, and status.

Finding the Wizard

To begin, navigate to **Configure > Configuration Tools > Configuration Wizards**, and search for `xcp`. Then, click the **XCP-ng/Vates VMS** wizard.

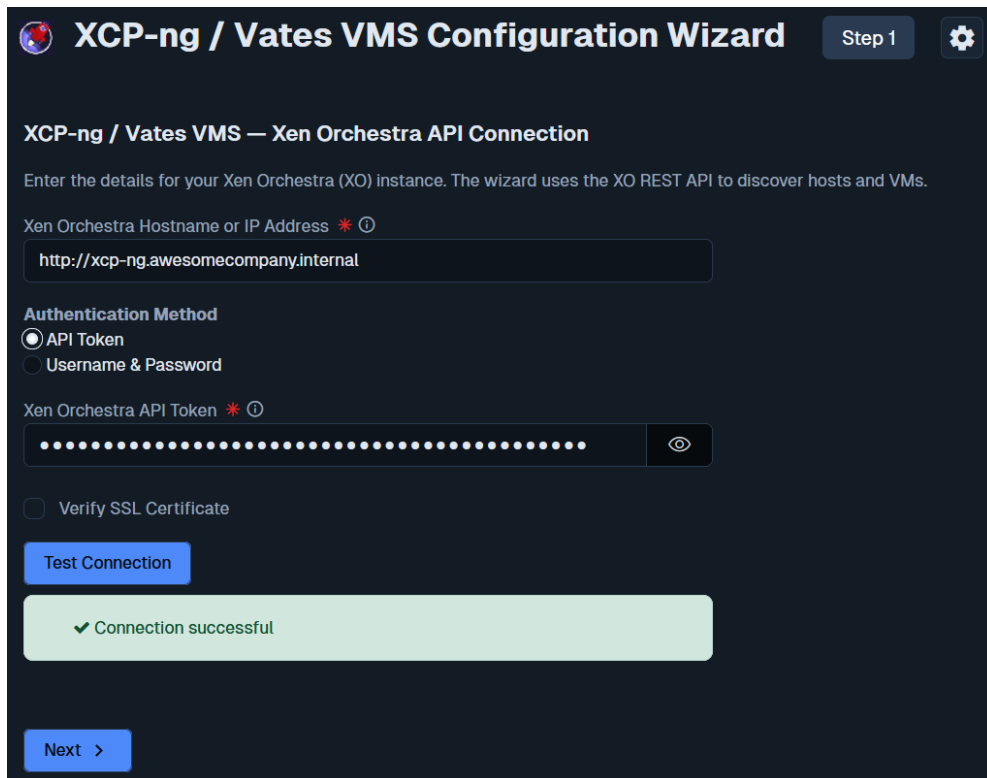


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Using the Wizard

Step 1

In **Step 1**, enter your **Xen Orchestra Hostname**, then select your **Authentication Method**.



The screenshot shows the 'XCP-ng / Vates VMS Configuration Wizard' interface. The title bar includes a globe icon, the text 'XCP-ng / Vates VMS Configuration Wizard', a 'Step 1' indicator, and a settings gear icon. Below the title, the subtitle is 'XCP-ng / Vates VMS — Xen Orchestra API Connection'. A descriptive text reads: 'Enter the details for your Xen Orchestra (XO) instance. The wizard uses the XO REST API to discover hosts and VMs.' The form contains the following elements: a text input field for 'Xen Orchestra Hostname or IP Address' with a red asterisk and an information icon, containing the value 'http://xcp-ng.awesomecompany.internal'; a section for 'Authentication Method' with two radio buttons: 'API Token' (selected) and 'Username & Password'; a text input field for 'Xen Orchestra API Token' with a red asterisk and an information icon, containing a masked token '.....' and an eye icon; a 'Verify SSL Certificate' checkbox; a blue 'Test Connection' button; a green success message '✓ Connection successful'; and a blue 'Next >' button.

There are two authentication methods available:

- **API Token:** You can generate this in Xen Orchestra in **User Menu > API Token**.
- **Username and Password:** Xen Orchestra account username and password.

You can use the **Verify SSL Certificate** checkbox if you wish to verify the certificate.

Before you proceed, click **Test Connection** to verify your settings.

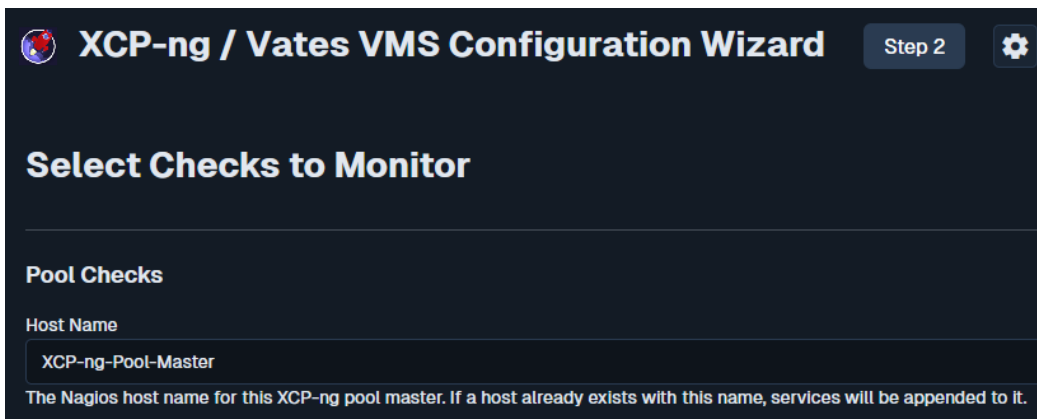
Once your connection details are entered and verified, click **Next** to proceed to Step 2.

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Step 2

In **Step 2**, you will define the Pool, Virtual Machine, and Host Machine metrics and thresholds for your checks.

First, define a **Host Name** for the XCP-ng pool master. This is the friendly name it will be identified as in the XI user interface. If you're re-running the wizard to add or modify checks, you can use an existing Host Name to employ the additive property of wizards.



XCP-ng / Vates VMS Configuration Wizard Step 2

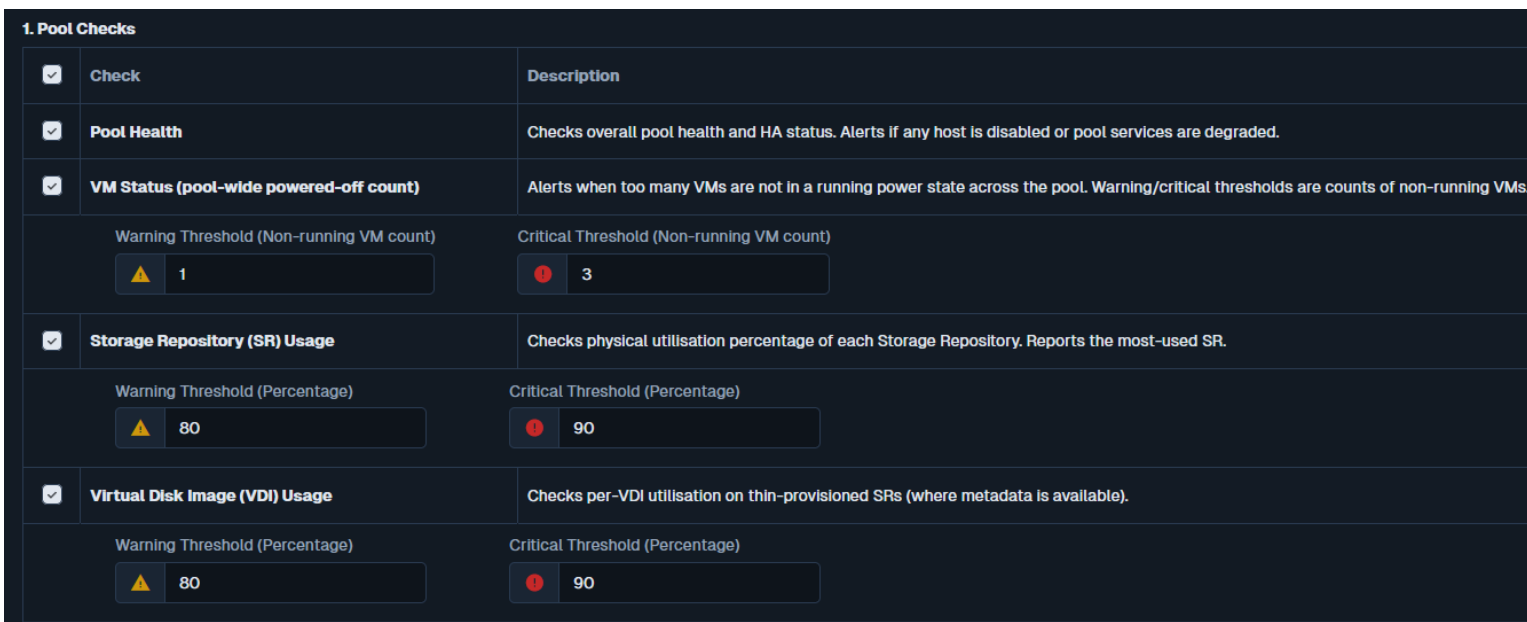
Select Checks to Monitor

Pool Checks

Host Name
XCP-ng-Pool-Master

The Nagios host name for this XCP-ng pool master. If a host already exists with this name, services will be appended to it.

Next, choose your **Pool Checks** and thresholds:



Check	Description
<input checked="" type="checkbox"/> Pool Health	Checks overall pool health and HA status. Alerts if any host is disabled or pool services are degraded.
<input checked="" type="checkbox"/> VM Status (pool-wide powered-off count)	Alerts when too many VMs are not in a running power state across the pool. Warning/critical thresholds are counts of non-running VMs.
Warning Threshold (Non-running VM count): 1	Critical Threshold (Non-running VM count): 3
<input checked="" type="checkbox"/> Storage Repository (SR) Usage	Checks physical utilisation percentage of each Storage Repository. Reports the most-used SR.
Warning Threshold (Percentage): 80	Critical Threshold (Percentage): 90
<input checked="" type="checkbox"/> Virtual Disk Image (VDI) Usage	Checks per-VDI utilisation on thin-provisioned SRs (where metadata is available).
Warning Threshold (Percentage): 80	Critical Threshold (Percentage): 90

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In the next section, choose which VMs to monitor, and optionally define a custom **VM Host Name** for them. Note that each VM will be created as an individual Nagios XI host object.

Once you've selected your VMs, choose your **VM Metrics Checks** and thresholds.

Virtual Machine Checks

1. Select VMs to Monitor

<input type="checkbox"/>	VM Host Name	Power State	IP Address	UUID
<input type="checkbox"/>	ng-Linux-Tester	PAUSED	192.168.123.456	33f033da-6687-824c
<input checked="" type="checkbox"/>	ng-Webserver-A	RUNNING	192.168.3.14	ac983115-851d-2185
<input checked="" type="checkbox"/>	ng-Webserver-B	RUNNING	192.168.1.33	fcef7e14-56ff-bad6

2. VM Metric Checks

<input checked="" type="checkbox"/>	Check	Description
<input checked="" type="checkbox"/>	CPU Usage	VM vCPU utilisation via XO API.
Warning Threshold (Percentage)		Critical Threshold (Percentage)
<input type="text" value="80"/>	<input type="text" value="95"/>	
<input checked="" type="checkbox"/>	Memory Usage	VM memory utilisation.
Warning Threshold (Percentage)		Critical Threshold (Percentage)
<input type="text" value="80"/>	<input type="text" value="95"/>	
<input checked="" type="checkbox"/>	Disk I/O	Combined read + write disk bandwidth in kBps.
Warning Threshold (kBps)		Critical Threshold (kBps)
<input type="text" value="10000"/>	<input type="text" value="50000"/>	
<input checked="" type="checkbox"/>	Network I/O	Combined RX + TX network bandwidth in kBps.
Warning Threshold (kBps)		Critical Threshold (kBps)
<input type="text" value="10000"/>	<input type="text" value="50000"/>	

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In the final section of Step 2, choose which **Host Machines** to check, and optionally define a custom **Host Name** for each. Note that each Host Machine will be configured as an individual host object in Nagios XI.

Once you've selected your Hosts, choose your Host Machine Checks and thresholds.

Host Machine Checks

1. Select Hosts to Monitor

<input checked="" type="checkbox"/>	Host Name	State	Address	UUID
<input checked="" type="checkbox"/>	xcp-ng.awesomecompany.internal	Enabled	192.168.3.13	88675b98-6b1c

2. Host Metric Checks

<input checked="" type="checkbox"/>	Check	Description
<input checked="" type="checkbox"/>	Host Health (enabled / reachable)	Confirms host is enabled in the pool and responding to XAPI. Alerts if host is disabled or evacuated.
<input checked="" type="checkbox"/>	Host CPU Usage	Checks CPU utilisation percentage on each selected host using XAPI RRD data.
	Warning Threshold (Percentage)	Critical Threshold (Percentage)
	80	95
<input checked="" type="checkbox"/>	Host Memory Usage	Checks memory utilisation percentage on each selected host.
	Warning Threshold (Percentage)	Critical Threshold (Percentage)
	80	95
<input checked="" type="checkbox"/>	Host Disk I/O	Combined read + write disk bandwidth in kBps for the selected host.
	Warning Threshold (kBps)	Critical Threshold (kBps)
	10000	50000
<input checked="" type="checkbox"/>	Host Network I/O	Combined RX + TX network bandwidth in kBps for the selected host.
	Warning Threshold (kBps)	Critical Threshold (kBps)
	10000	50000

< Back Next >

Once you've completed all of your selections and settings, click **Next** to proceed to Step 3.

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Steps 3-5

At the top of **Step 3**, you'll see a **Review Configuration** section with a summary of your Step 2 selections.

The screenshot shows the 'Review Configuration' step of the 'XCP-ng / Vates VMS Configuration Wizard'. The interface is dark-themed. At the top, there's a title bar with a globe icon, the wizard name, 'Step 3', and a settings gear icon. Below the title, the 'Review Configuration' section contains a message: 'Review your configuration below. Click 'Finish' to deploy monitoring for your XCP-ng / Vates VMS environment.' Underneath, it shows an 'Array ([0] => 80675b90-6b1c-4409-9b3b-e140c5c5440e)' and 'Host Objects to Create' section, stating 'The following Nagios host objects will be created.' This section lists four items: 'XCP-ng-Pool-Master', 'xcp-ng.awesomecompany.internal (xcp-ng.awesomecompany.internal) 192.168.3.13', 'ng-Webserver-A (ng-Webserver-A) 192.168.3.14', and 'ng-Webserver-B (ng-Webserver-B) 192.168.1.33'. Below this is the 'Checks to Deploy (13)' section, divided into 'Pool / Prism Services' and 'Host / Node Services'. The 'Pool / Prism Services' section includes 'Pool Health', 'VM Status (pool-wide)' (Warn at 1 VMs not running, Critical at 3 VMs not running), 'Storage Repository Usage' (Warn at 80%, Critical at 90%), and 'VDI Usage' (Warn at 80%, Critical at 90%). The 'Host / Node Services' section includes 'Host Health'.

If all looks well, you can proceed to define common monitoring settings as usual in **Steps 3-5**. If you need to make changes before proceeding, click the **Back** button.

You can learn more about the common wizard steps and settings here:

[Understanding and Using Configuration Wizards in Nagios XI](#)

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Once you're finished, click the **Finish** button.

After the configuration applies, you'll be able to view the status of the new objects:

Pool Master

XCP-ng-Pool-Master	Pool Health	Ok	N/A	1/5	2026-05-15 15:26:11	OK: 1 pool(s) healthy: xcp-ng
Storage Repository Usage		Ok	N/A	1/5	2026-05-15 15:26:11	OK: Storage usage is 5.06% (91.65GB / 1810.39GB): XCP-ng Tools (0.03GB/-0.00GB), Local-ISO (0.62GB/17.55GB), DVD drives (1.00GB/1.00GB) (+2 more)
VDI Usage		Ok	N/A	1/5	2026-05-15 15:26:11	OK: VDI usage is 16.69% (15.30GB / 91.65GB): guest-tools.iso (0.02GB/0.02GB), SCSI 4:0:0:0 (1.00GB/1.00GB), xoa root (4.69GB/20.00GB) (+5 more)

VM

ng-Webserver-A	CPU	Ok	N/A	1/5	2026-05-15 15:27:40	OK: VM 'ac983115-851d-2185-03a3-CPU usage is 8.40%
Disk I/O		Ok	N/A	1/5	2026-05-15 15:27:40	OK: VM 'ac983115-851d-2185-03a3-disk I/O 6kBps (0.0 MB/s)
Memory		Ok	1m 7s	1/5	2026-05-15 15:27:40	OK: VM 'ac983115-851d-2185-03a3-memory 52.54% (10.00GB / 19.03GB)
Network I/O		Ok	16s	1/5	2026-05-15 15:27:40	OK: VM 'ac983115-851d-2185-03a3-network I/O 31kBps (0.0 MB/s)
VM Status		Ok	N/A	1/5	2026-05-15 15:27:40	OK: VM 'ac983115-851d-2185-03a3-is Running

Host

xcp-ng.awesomecompany.internal	CPU	Ok	N/A	1/5	2026-05-15 15:28:24	OK: Host '80675b90-6b1c-4409-9b3b-CPU usage is 43.23%
Disk I/O		Ok	N/A	1/5	2026-05-15 15:29:12	OK: Host '80675b90-6b1c-4409-9b3b-disk I/O 0kBps (0.0 MB/s)
Host Health		Ok	N/A	1/5	2026-05-15 15:30:09	OK: 1 host(s) enabled: xcp-ng.
Memory		Ok	N/A	1/5	2026-05-15 15:27:02	OK: Host '80675b90-6b1c-4409-9b3b-memory 59.99% (63.70GB / 106.17GB)
Network I/O		Ok	N/A	1/5	2026-05-15 15:26:53	OK: Host '80675b90-6b1c-4409-9b3b-network I/O 0kBps (0.0 MB/s)

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Finishing Up

This completes the documentation on Monitoring XCP-ng / Vates VMS with Nagios XI. If you have additional questions or other support-related questions, please visit the Nagios Support Forum, Nagios Documentation Hub, or Nagios Library:

[Visit Nagios Support Forum](#)

[Visit Documentation Hub](#)

[Visit Nagios Library](#)