

# Supervision avec l'outil Nagios

Pour pouvoir superviser nos deux serveurs (serveur principal et serveur de backup) avec nagios, il suffit d'installer **ncpa** (Nagios Cross-Platform Agent)

Lancez ces commandes dans les deux serveurs

```
sudo -i
```

```
apt-get install apt-transport-https
```

```
echo "deb https://repo.nagios.com/deb/$(lsb_release -cs) /" > /etc/apt/sources.list.d/nagios.list
```

```
wget -qO - https://repo.nagios.com/GPG-KEY-NAGIOS-V3 | apt-key add -
```

```
apt-get update
```

```
apt-get install ncpa
```

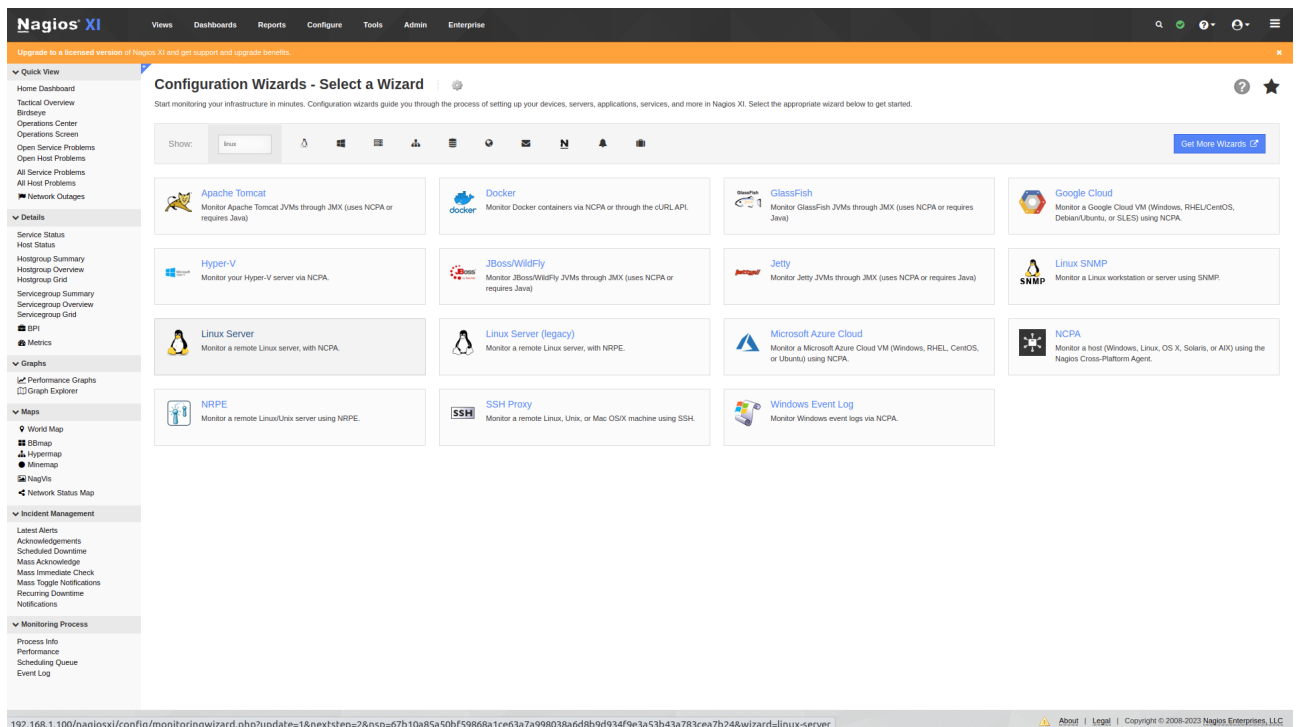
Après l'installation de l'agent, il suffit d'ajouter les serveurs dans nagios

Exemple d'ajout pour le serveur principale :

Dans la page **Home Dashboard / Popular Wizards** cliquez sur **Configuration Wizards**

The screenshot displays the Nagios XI Home Dashboard. The top navigation bar includes links for Views, Dashboards, Reports, Configure, Tools, Admin, and Enterprise. A sidebar on the left provides quick access to various features like Home Dashboard, Tactical Overview, and Incident Management. The main content area is titled 'Home Dashboard' and features several summary cards: 'Host Status Summary' (showing 11 Up, 0 Down, 0 Unreachable, 0 Pending), 'Service Status Summary' (showing 11 Ok, 0 Warning, 0 Unknown, 1 Critical, 0 Pending), and 'Getting Started' (with links to Run a Wizard, Account Settings, and Notifications). Below these are 'Administrative Tasks' (Add a User, Mail Settings, Explore the CCM, Run Autodiscovery) and 'Popular Wizards' (Amazon S3, MySQL Server, Google Cloud, NCPA, Docker, SNMP Walk). The bottom of the dashboard shows the URL 192.168.1.100/nagiosxi/config/monitoringwizard.php and a footer with About, Legal, and Copyright information.

Cherchez **Linux Server** et cliquez dessus



The screenshot shows the Nagios XI interface with the 'Configuration Wizards - Select a Wizard' page. The left sidebar contains navigation links like 'Quick View', 'Details', 'Graphs', 'Maps', 'Incident Management', and 'Monitoring Process'. The main content area displays a grid of wizard options. The 'Linux Server' wizard is highlighted. The URL at the bottom is: 192.168.1.100/nagiosxi/config/monitoringwizard.php?update=1&nextstep=2&ns=67b10a85a50b59868a1ce63a7a998038add8b9d934f9e3a53b43a783cea7b24&wizard=linux-server

### Configuration Wizards - Select a Wizard

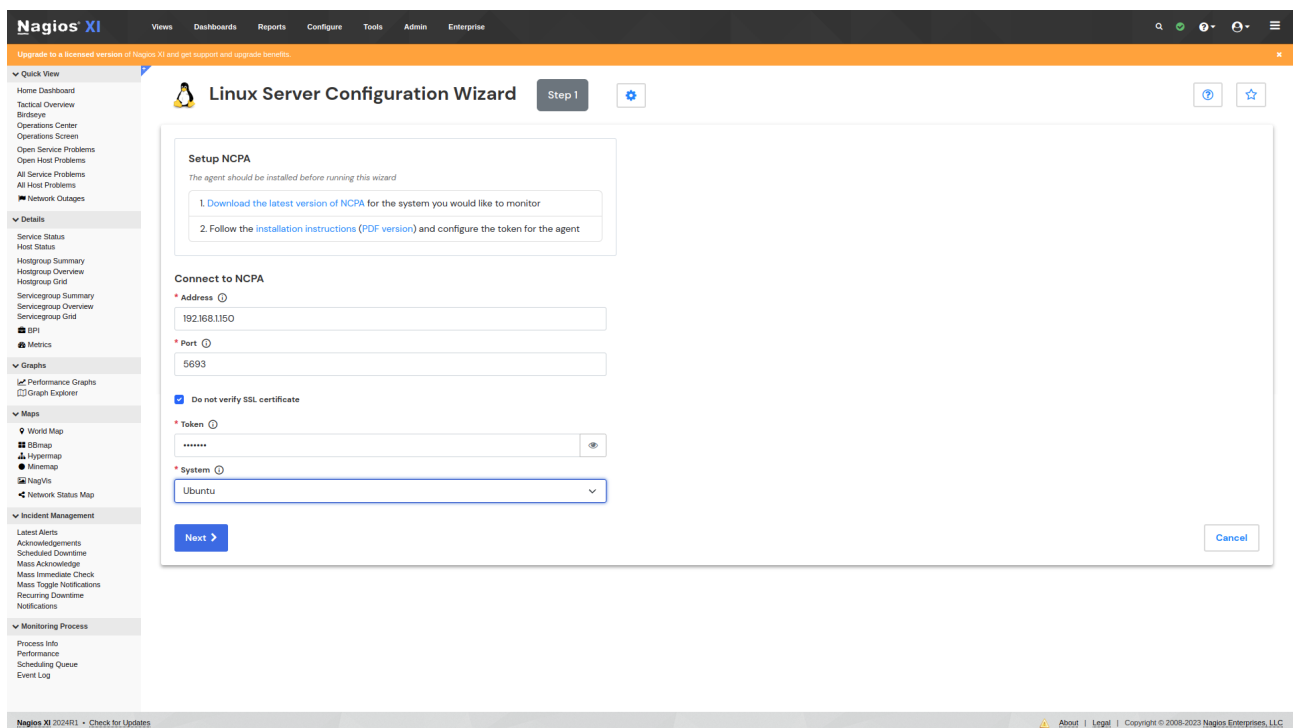
Start monitoring your infrastructure in minutes. Configuration wizards guide you through the process of setting up your devices, servers, applications, services, and more in Nagios XI. Select the appropriate wizard below to get started.

Show: linux

Get More Wizards

- Apache Tomcat**  
Monitor Apache Tomcat JVMs through JMX (uses NCPA or requires Java)
- Docker**  
Monitor Docker containers via NCPA or through the cURL API.
- GlassFish**  
Monitor GlassFish JVMs through JMX (uses NCPA or requires Java)
- Google Cloud**  
Monitor a Google Cloud VM (Windows, RHEL/CentOS, Debian/Ubuntu, or SLES) using NCPA.
- Hyper-V**  
Monitor your Hyper-V server via NCPA.
- JBoss/WildFly**  
Monitor JBoss/WildFly JVMs through JMX (uses NCPA or requires Java)
- Jetty**  
Monitor Jetty JVMs through JMX (uses NCPA or requires Java)
- Linux SNMP**  
Monitor a Linux workstation or server using SNMP.
- Linux Server**  
Monitor a remote Linux server, with NCPA.
- Linux Server (legacy)**  
Monitor a remote Linux server, with NRPE.
- Microsoft Azure Cloud**  
Monitor a Microsoft Azure Cloud VM (Windows, RHEL, CentOS, or Ubuntu) using NCPA.
- NRPE**  
Monitor a remote Linux/Unix server using NRPE.
- SSH Proxy**  
Monitor a remote Linux, Unix, or Mac OS/X machine using SSH.
- Windows Event Log**  
Monitor Windows event logs via NCPA.

Dans l'adresse entrez **l'ip du serveur principale**, le port **5693**, dans token entrez **mytoken** et dans System entrez **Ubuntu**



The screenshot shows the 'Linux Server Configuration Wizard' in Step 1. The wizard is titled 'Setup NCPA' and provides instructions for downloading the latest version of NCPA and configuring the token. The 'Connect to NCPA' section contains fields for Address (192.168.1.150), Port (5693), Token (\*\*\*\*\*), and System (Ubuntu). The 'Do not verify SSL certificate' checkbox is checked. The 'Next' button is visible at the bottom left.

### Linux Server Configuration Wizard

Step 1

#### Setup NCPA

The agent should be installed before running this wizard

- Download the latest version of NCPA for the system you would like to monitor
- Follow the installation instructions (PDF version) and configure the token for the agent

#### Connect to NCPA

\* Address: 192.168.1.150

\* Port: 5693

☒ Do not verify SSL certificate

\* Token: \*\*\*\*\*

\* System: Ubuntu

Next

Cancel

Cochez les paramètres de System Metrics et memory Metrics (pour les valeurs vous pouvez les personnaliser selon vos critères)

Nagios XI

ViewsDashboardsReportsConfigureToolsAdminEnterprise

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Linux Server Configuration Wizard

Step 2

Host Information

Address

192.168.1.150

Host Name

192.168.1.150

Port

5693

System

System Metrics

Specify the metrics you'd like to monitor with the NCPA Agent.

Ping

Total Processes

150

%

250

%

109

CPU Usage

20

%

40

%

CPU

0

%

Show average CPU usage instead of per cpu core

User Count

2

%

4

%

1

Memory Metrics

Default units for memory metric output

Gi

Main Memory Usage

50

%

80

%

8.4

%

Swap Usage

5

%

10

%

0

%

Disk Metrics

Specify the disks the warning and critical percentages for disk capacity.

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Pour Disk Metrics Cochez seulement le disque \

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Disk Metrics

Specify the disks the warning and critical percentages for disk capacity.

Disk/Mount

Current Usage

Thresholds

☒

\

60.3

%

70

%

90

%

☐

\\sys\fs\group\unified

0

%

70

%

90

%

☐

\\sys\fs\bp1

0

%

70

%

90

%

☐

\\boot

6.7

%

70

%

90

%

☐

\\anap\lxd\24061

100

%

70

%

90

%

☐

\\anap\anapd\20290

100

%

70

%

90

%

☐

\\anap\core\201828

100

%

70

%

90

%

☐

\\anap\anapd\18357

100

%

70

%

90

%

Network Interface Metrics

Specify bandwidth limits for your network interfaces. Note that these measurements are per second, not a counter.

Interface Name

Thresholds

☐

vethOdo3fla

10

MB/s

100

MB/s

Show all interfaces

Services

Specify which services should be running or stopped.

Service Description

Service Name

Expected Status

☐

Running

Stopped

Processes

Specify which processes should be running and how many of them there should be.

Process Description

Process Name

Thresholds (Process count)

☐

Plugins

If you have provided plugins on the client that you would like NCPA to run, specify them and the arguments to be passed here.

Plugin Description

Plugin Name

Plugin Arguments

☐

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mysql,docker,nginx

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**Nagios XI**

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**Monitoring Process**

- Process Info
- Performance
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Interface Name	Thresholds
<input type="checkbox"/> /snappcore20U828	100 % <span style="color: orange;">⚠️</span> 70 % <span style="color: red;">❗</span> 90 %
<input type="checkbox"/> /snappcoreU8357	100 % <span style="color: orange;">⚠️</span> 70 % <span style="color: red;">❗</span> 90 %

### Network Interface Metrics

Specify bandwidth limits for your network interfaces. Note that these measurements are per second, not a counter.

Interface Name	Thresholds
<input type="checkbox"/> vethod03fa	<input type="text" value="10"/> MB/s <span style="color: red;">❗</span> <input type="text" value="100"/> MB/s

[Show all interfaces](#)

### Services

Specify which services should be running or stopped. ⓘ

Service Description	Service Name	Expected Status
<input checked="" type="checkbox"/> mysql Service Status	mysql <span style="font-size: small;">[icon]</span>	<input checked="" type="radio"/> Running <input type="radio"/> Stopped
<input checked="" type="checkbox"/> nginx Service Status	nginx <span style="font-size: small;">[icon]</span>	<input checked="" type="radio"/> Running <input type="radio"/> Stopped
<input checked="" type="checkbox"/> docker Service Status	docker <span style="font-size: small;">[icon]</span>	<input checked="" type="radio"/> Running <input type="radio"/> Stopped
<input type="checkbox"/> <input type="text"/>	<input type="text"/> <span style="font-size: small;">[icon]</span>	<input checked="" type="radio"/> Running <input type="radio"/> Stopped

### Processes

Specify which processes should be running and how many of them there should be.

Process Description	Process Name	Thresholds (Process count) ⓘ
<input type="checkbox"/> <input type="text"/>	<input type="text"/> <span style="font-size: small;">[icon]</span>	<input type="text"/> <span style="color: orange;">⚠️</span> <input type="text"/> <span style="color: red;">❗</span> <input type="text"/>

### Plugins

If you have provided plugins on the client that you would like NCPA to run, specify them and the arguments to be passed here.

Service Description	Plugin Name	Plugin Arguments ⓘ
<input type="checkbox"/> <input type="text"/>	<input type="text"/> <span style="font-size: small;">[icon]</span>	<input type="text"/>

[< Back](#)
[Next >](#)
[Cancel](#)

## Enregistrez la configuration

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Linux Server Configuration Wizard

Step 3

Monitoring Settings

Define basic parameters that determine how the host and service(s) should be monitored.

Under normal circumstances:

Monitor the host and service(s) every 5 minutes

When a potential problem is first detected:

Re-check the host and service(s) every 1 minutes up to 5 times before sending a notification

Back

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Finish with Defaults

Cancel

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## Résultat Final

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All services

Host Status Summary

Service Status Summary

Showing 1-10 of 22 total records

Host

Service

Status

Duration

Attempt

Last Check

Status Information

192.168.1.150

CPU Usage

OK

N/A

1/5

2023-12-19 08:54:01

OK: Percent was 0.00 %

Disk Usage on /

OK

N/A

1/5

2023-12-19 08:54:05

OK: Used disk space was 60.30 % (Used: 4.58 GiB, Free: 3.01 GiB, Total: 8.02 GiB)

Memory Usage

OK

N/A

1/5

2023-12-19 08:54:09

OK: Memory usage was 8.40 % (Available: 9.39 GiB, Total: 10.25 GiB, Free: 8.65 GiB, Used: 0.61 GiB)

Ping

OK

N/A

1/5

2023-12-19 08:54:13

OK - 192.168.1.150 rta 0.215ms lost 0%

Swap Usage

OK

N/A

1/5

2023-12-19 08:54:18

OK: Swap usage was 0.00 % (Used: 0.00 GiB, Total: 0.00 GiB, Free: 0.00 GiB)

Total Processes

OK

N/A

1/5

2023-12-19 08:54:21

OK: Process count was 109

User Count

OK

N/A

1/5

2023-12-19 08:54:25

OK: Count was 1 users

docker Service Status

OK

N/A

1/5

2023-12-19 08:54:28

OK: docker is running

mysql Service Status

OK

N/A

1/5

2023-12-19 08:54:33

OK: mysql is running

nginx Service Status

OK

N/A

1/5

2023-12-19 08:54:38

OK: nginx is running

Last Updated: 2023-12-19 08:55:06

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10 Per Page

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Search...

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Pour le serveur de backup il faut suivre les mêmes étapes à part la partie d'ajout de services (il n'y a pas de services à superviser dans le serveur de backup)