

Installing Nagios XI Manually on Linux

Platform Support

Nagios Enterprises provide support for installing Nagios XI on the following Linux Distributions:

- **Red Hat Enterprise Linux (RHEL)**

- 6.x 32-bit and 64-bit
- 7.x 64-bit
- RHEL requires the Optional software channel to be enabled, further details are located here:

- **CentOS**

- 6.x 32-bit and 64-bit
- 7.x 64-bit

- **Ubuntu**

- All active Long Term Support (TLS), these are all the even numbered versions (14, 16, 18)
- 32-bit and 64-bit

Install Nagios XI

you can install Nagios XI by issuing the following commands in your terminal session:

```
# cd /tmp  
# wget https://assets.nagios.com/downloads/nagiosxi/xi-latest.tar.gz  
# tar xzf xi-latest.tar.gz  
# cd nagiosxi  
# ./fullinstall
```

You can access the Nagios XI web interface by visiting:

http://<server_IP_address>/nagiosxi

Nagios XI Install

Nagios XI Installation

Finalize your Nagios XI installation and step the initial configuration. These settings can be changed later.

Admin Account Settings

Username	nagiosadmin
Password	h.KbC^GbmIY@Z.dIi2rn
Full Name	Nagios Administrator
Email Address	root@localhost

Admin Notification Settings

☒ Send this account email notifications ⓘ [Advanced email notification settings](#)

< Back ✓ Finish Install

Username: nagiosadmin

Note: Change the password with your own password and then finish the Installation.

Add Linux Host to Nagios Monitoring Server Using NRPE Agent:

Nagios XI is based on Nagios Core and is the commercial solution of Nagios. Nagios XI provides organizations with many benefits:

- Comprehensive IT Infrastructure Monitoring
- Advanced Graphs & Visualizations
- Advanced Infrastructure Management Capabilities
- Monitoring Wizard
- Easily and Advanced User Management

Installing and Configuring NRPE On The Remote Linux Machine:

Download the Linux NRPE agent to the /tmp directory on the Linux server you wish to monitor.

```
# cd /tmp
# wget http://assets.nagios.com/downloads/nagiosxi/agents/linux-nrpe-agent.tar.gz
# tar xzf linux-nrpe-agent.tar.gz
# cd linux-nrpe-agent
# ./fullinstall
```

The script will stop to prompt you once, to ask for the IP address(es) for your monitoring server(s). You will need to type the ip address, of your Nagios Xi server and then press enter. This will allow connections from your monitoring server to the agent process.

```
real    0m6.249s
user    0m2.849s
sys     0m3.401s
INSTALLING EXTRA PLUGINS...

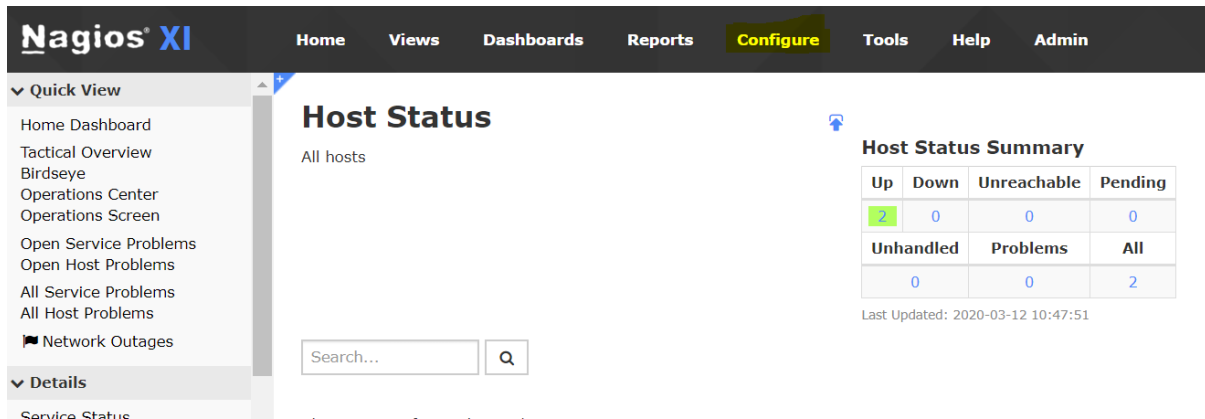
real    0m0.010s
user    0m0.000s
sys     0m0.007s

#####
###
### NRPE is currently set to allow connections only from these IP addresses: ###
###
### 127.0.0.1                                     ###
###
### If you would like to change this list, enter all IP addresses to allow, ###
### separated by spaces only, and then press Enter.                        ###
### (Put the address(es) of your Nagios XI servers(s) here.)               ###
###
#####
Allow from: 
```

Configuring Nagios Xi to Monitor the Linux Host

- You have now successfully installed and configured the monitoring agent and required plugins on the Linux server. In order to monitor the server using Nagios XI, you will need to run the Linux Server configuration wizard in the Nagios XI web interface.
- Log into the web interface via : [http://\[SERVER_IP\]/](http://[SERVER_IP]/) and enter your login information. You will see this page after the login.

Step1: Choose **Configure** to start the host configuration.

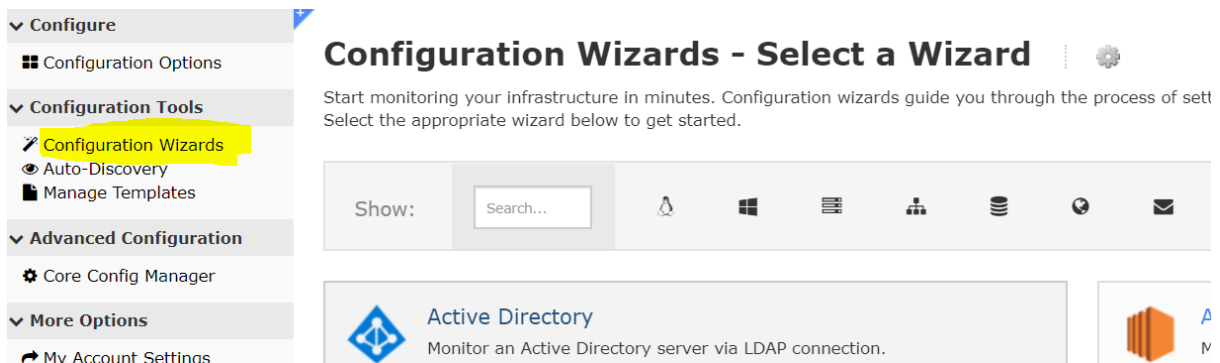


The screenshot shows the Nagios XI interface. The top navigation bar includes links for Home, Views, Dashboards, Reports, **Configure** (highlighted), Tools, Help, and Admin. On the left, a sidebar menu shows 'Quick View' and 'Details' sections. The main content area is titled 'Host Status' and shows 'All hosts'. A 'Host Status Summary' table is displayed on the right:

Up	Down	Unreachable	Pending
2	0	0	0
Unhandled		Problems	All
0		0	2








Below the table, it says 'Last Updated: 2020-03-12 10:47:51'. A search bar is also visible below the table.

Step2: Go Under **Configuration Wizards - Select a Wizard** i.e Linux Server



The screenshot shows the 'Configuration Wizards - Select a Wizard' page in Nagios XI. The left sidebar menu has 'Configure' expanded, showing 'Configuration Options', 'Configuration Tools' (with 'Configuration Wizards' highlighted), 'Auto-Discovery', 'Manage Templates', 'Advanced Configuration' (with 'Core Config Manager'), and 'More Options' (with 'My Account Settings'). The main content area is titled 'Configuration Wizards - Select a Wizard' and includes a search bar and a list of wizards. The 'Active Directory' wizard is visible, with a description: 'Monitor an Active Directory server via LDAP connection.'

Step3: You need to choose **Linux Server** wizard to monitor your host.

-  **Exchange Server**
Monitor a Microsoft® Exchange server.
-  **FTP Server**
Monitor login and file transfer capabilities of an FTP server.
-  **Generic Network Device**
Monitor a generic IP network device.
-  **LDAP Server**
Monitor an LDAP server.
-  **Linux Server**
Monitor a remote Linux server.
-  **Linux SNMP**
Monitor a Linux workstation or server using SNMP.
-  **Mac OS/X**
Monitor a Mac OS/X machine.

Step4: Next, we set the device parameters.

Note: give the IP Address of your agent machine and select the Linux Distribution



Configuration Wizard: Linux Server - Step 1

Linux Server Information

IP Address:

The IP address or FQDNS name of the Linux server you'd like to monitor.

Linux Distribution:

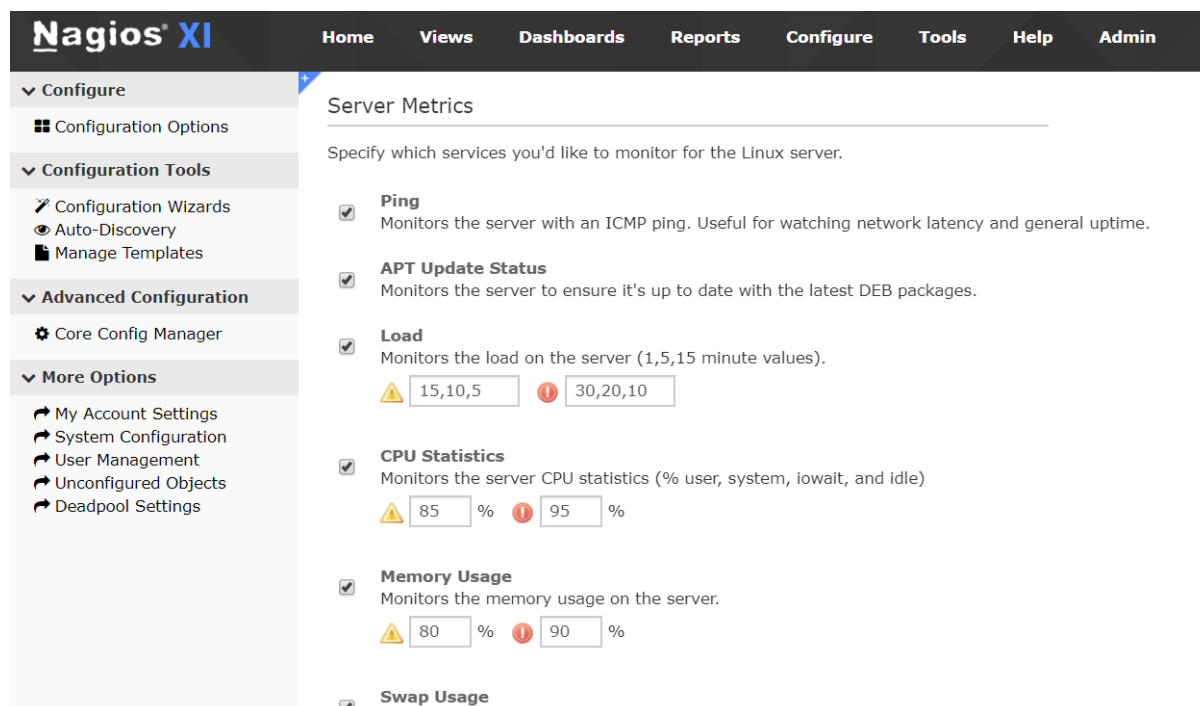
RedHat Enterprise ▼

The Linux distribution running on the server you'd like to monitor.

◀ Back

Next ▶

Step5: Select the Server Metrics, Services and Processes



The screenshot shows the Nagios XI configuration interface. The left sidebar contains a navigation menu with the following sections:

- Configure**
 - Configuration Options
- Configuration Tools**
 - Configuration Wizards
 - Auto-Discovery
 - Manage Templates
- Advanced Configuration**
 - Core Config Manager
- More Options**
 - My Account Settings
 - System Configuration
 - User Management
 - Unconfigured Objects
 - Deadpool Settings

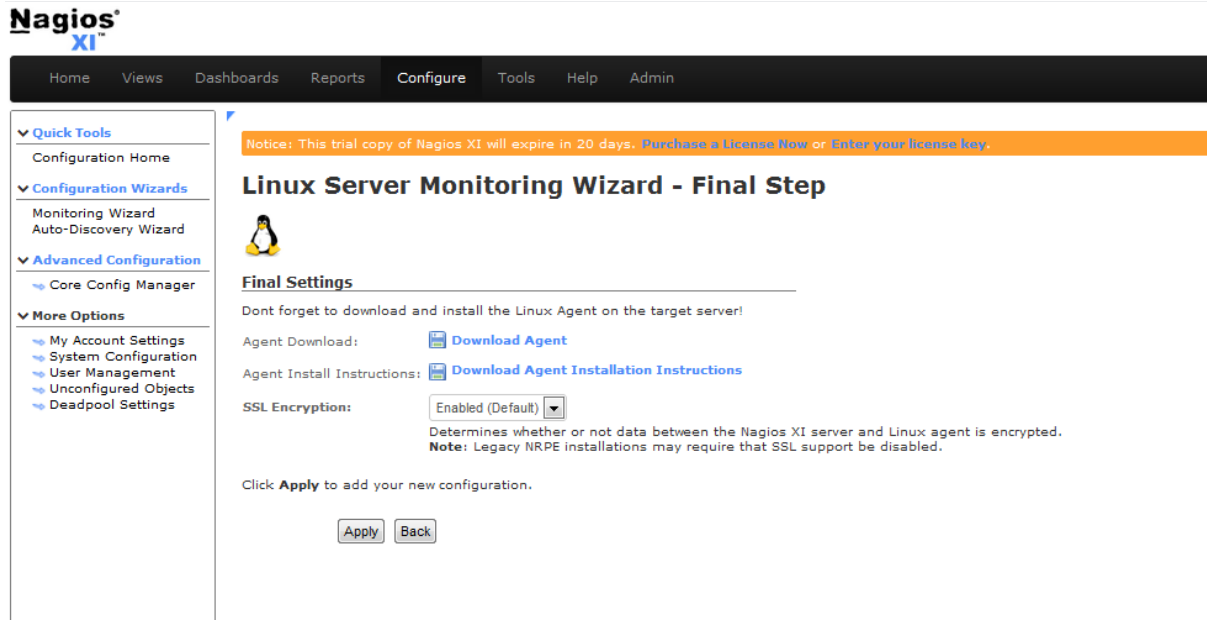
The main content area is titled "Server Metrics" and contains the following configuration options:

- Ping**: Monitors the server with an ICMP ping. Useful for watching network latency and general uptime. ☒
- APT Update Status**: Monitors the server to ensure it's up to date with the latest DEB packages. ☒
- Load**: Monitors the load on the server (1,5,15 minute values). ☒
 - Warning: 15,10,5
 - Critical: 30,20,10
- CPU Statistics**: Monitors the server CPU statistics (% user, system, iowait, and idle). ☒
 - Warning: 85 %
 - Critical: 95 %
- Memory Usage**: Monitors the memory usage on the server. ☒
 - Warning: 80 %
 - Critical: 90 %
- Swap Usage**: ☒

Our host and services will then be checked every 5 minutes and an alert will be sent out 5 minutes after our host goes « DOWN » (5 check attempts with 1 check every 1 minutes will confirm its « HARD » state). Next you need the configure the notification settings.

The notification will be send immediately in case of alert and every 60 minutes until the problem is resolved.

At last, the notification parameters are as follows:




Nagios XI

Home Views Dashboards Reports **Configure** Tools Help Admin

Notice: This trial copy of Nagios XI will expire in 20 days. [Purchase a License Now](#) or [Enter your license key](#).

Linux Server Monitoring Wizard - Final Step




Final Settings

Don't forget to download and install the Linux Agent on the target server!

Agent Download: [Download Agent](#)

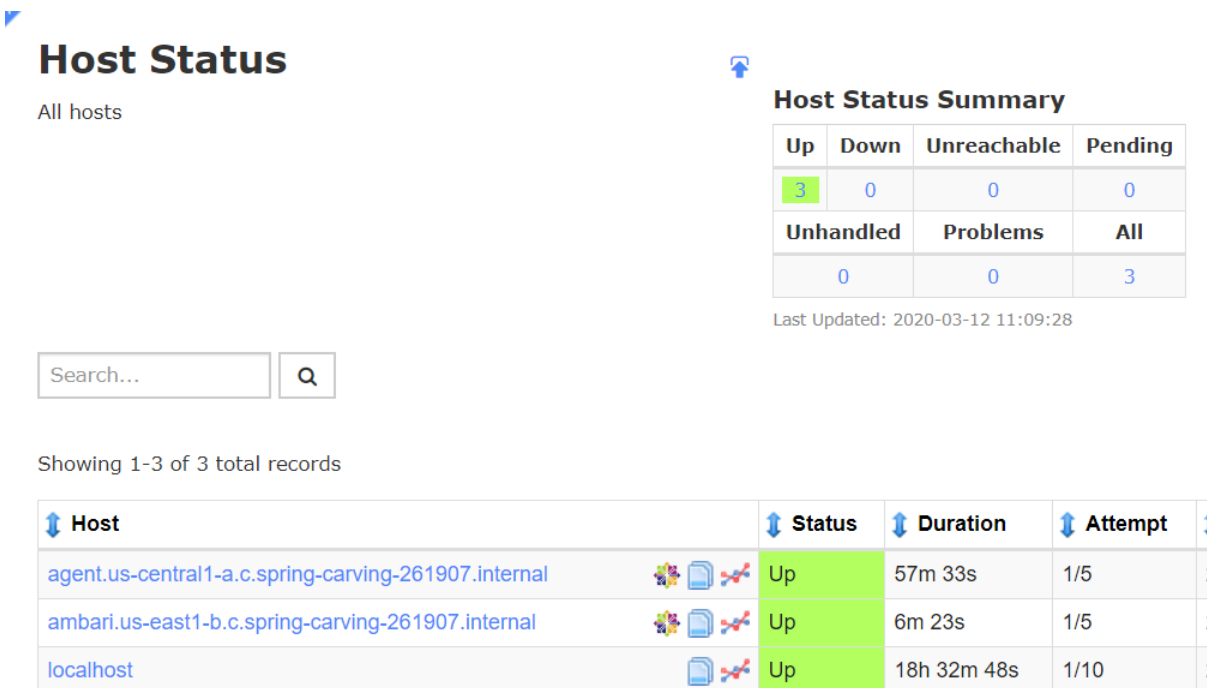
Agent Install Instructions: [Download Agent Installation Instructions](#)

SSL Encryption: 

Determines whether or not data between the Nagios XI server and Linux agent is encrypted.
Note: Legacy NRPE installations may require that SSL support be disabled.

Click **Apply** to add your new configuration.

The results of the polling are visible in the **Home => Host Details**.



Host Status

All hosts




Host Status Summary

Up	Down	Unreachable	Pending
3	0	0	0
Unhandled		Problems	All
0		0	3

Last Updated: 2020-03-12 11:09:28

Search...

Showing 1-3 of 3 total records

Host	Status	Duration	Attempt
agent.us-central1-a.c.spring-carving-261907.internal 	Up	57m 33s	1/5
ambari.us-east1-b.c.spring-carving-261907.internal 	Up	6m 23s	1/5
localhost 	Up	18h 32m 48s	1/10