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

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.

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]/ and enter your login information. You will see this page after the login.

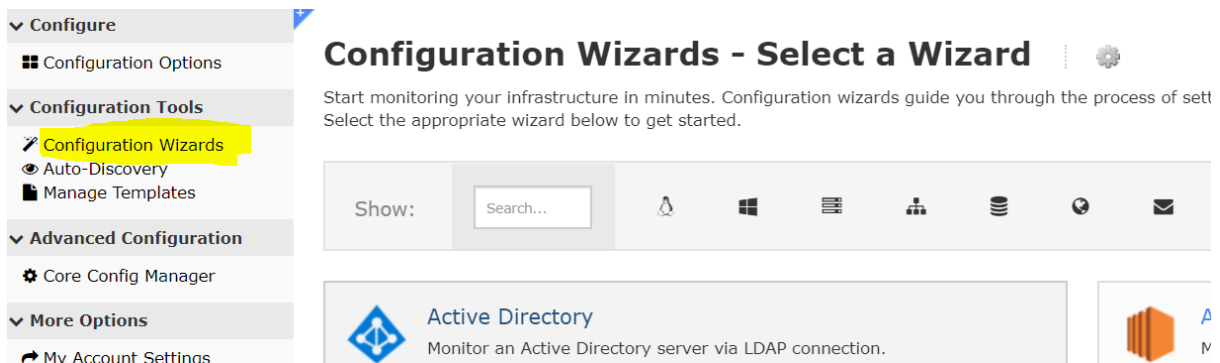**Step1:** Choose **Configure** to start the host configuration.

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

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

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.
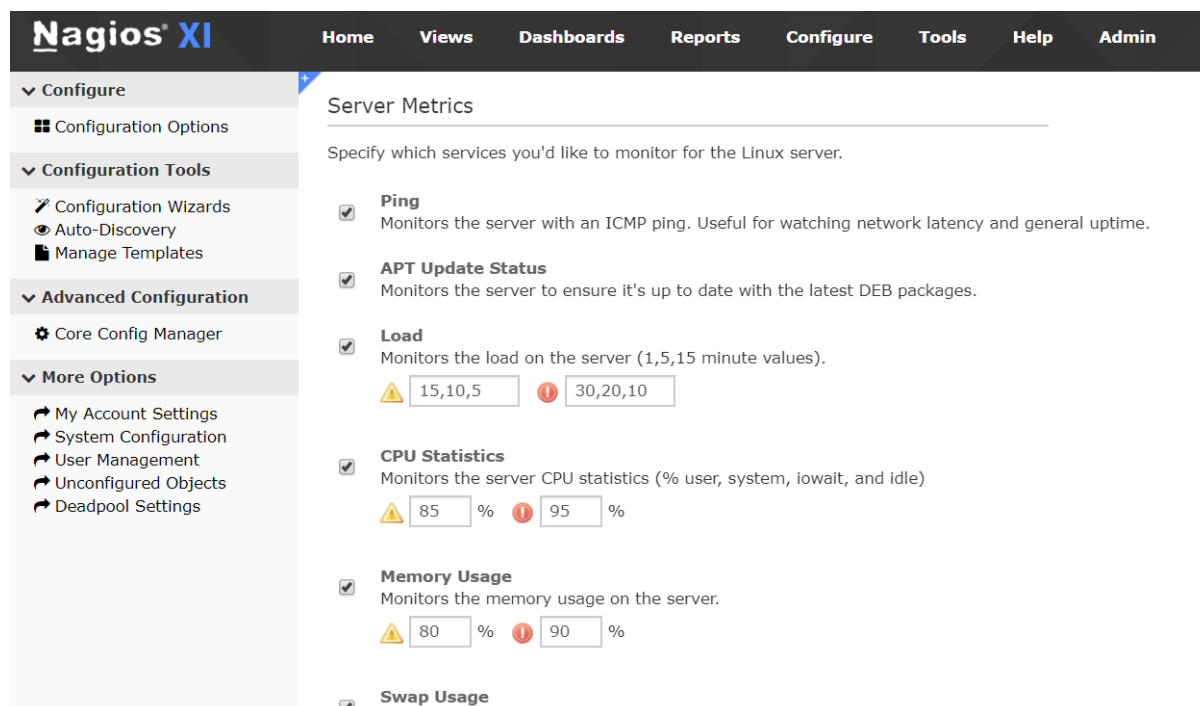
Linux Distribution: RedHat Enterprise ▼

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

‹ Back   **Next ›**

Step5: Select the Server Metrics, Services and Processes

Nagios XI   Home   Views   Dashboards   Reports   Configure   Tools   Help   Admin

∨ 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
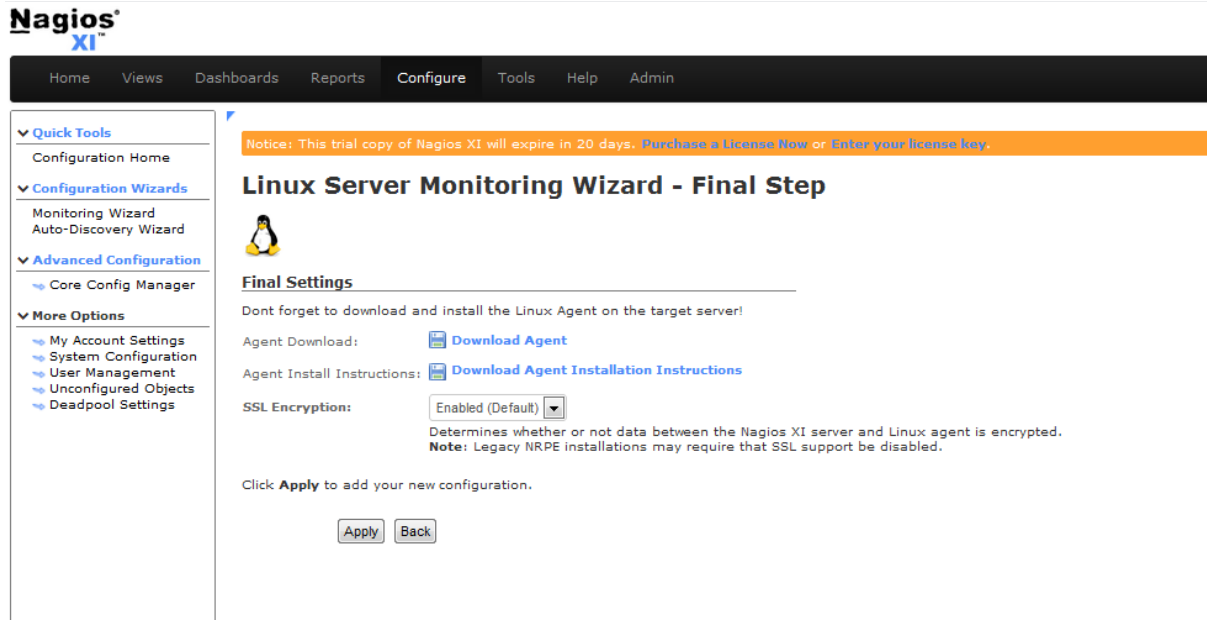- ↪ Unconfigured Objects
- ↪ Deadpool Settings

Server Metrics

Specify which services you'd like to monitor for the Linux server.

☑ **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).
⚠ 15,10,5   🛇 30,20,10

☑ **CPU Statistics**
Monitors the server CPU statistics (% user, system, iowait, and idle)
⚠ 85 %   🛇 95 %

☑ **Memory Usage**
Monitors the memory usage on the server.
⚠ 80 %   🛇 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:
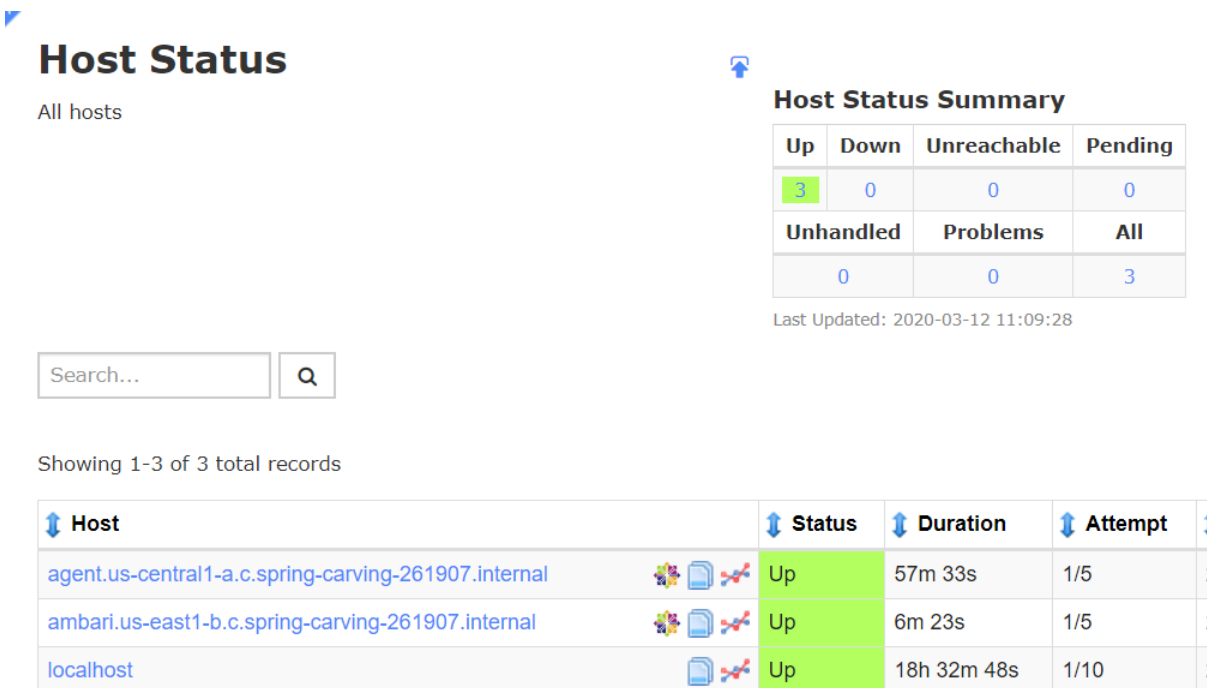
The results of the polling are visible in the **Home => Host Details.**

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	