How To Monitor Linux Using NRPE With Nagios XI 5

Purpose

This document describes how to monitor Linux hosts with Nagios XI by using the Nagios Remote Plugin Executor (NRPE) and the Linux Server configuration wizard.

Note: If you are using **Nagios XI 2024**, please refer to the updated document.

Target Audience

This document is intended for Nagios XI administrators who want to monitor Linux distributions using the custom Nagios XI NRPE agent, it is tailored specifically for the Linux Server configuration wizard.

Overview

Nagios Enterprises provides a custom distribution of the NRPE agent and Nagios Plugins for Linux, this greatly simplifies the steps involved to start monitoring your Linux machines. The agent is configured ready to be used with the Nagios XI Linux Server configuration wizard, all you need to do is run the wizard and select which options you want to monitor.

If the Linux Server configuration wizard does not meet your needs and you would like to customize your monitoring configurations with NRPE and Nagios XI there is a separate NRPE configuration wizard. Please refer to the following documentation:

Monitoring Hosts Using NRPE and NRPE Monitoring Wizard

You should also refer to that documentation if you require a more detailed understanding how how NRPE works.

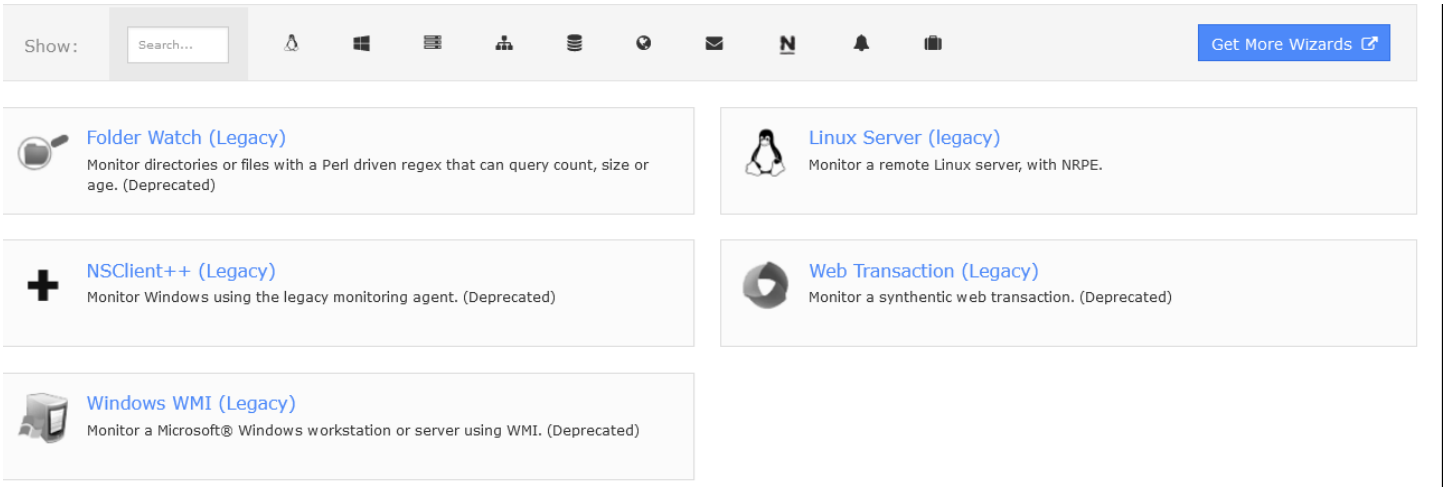
Requirements

The Linux NRPE Agent needs to be installed on each Linux machine you want to monitor in Nagios XI. Please refer to the following documentation to install the agent:

Installing The Linux NRPE Agent

Using The Linux Server (Legacy) Wizard

To begin using the Linux Server (Legacy) wizard navigate via the top menu bar to **Configure** > **Run a configuring wizard** and select the **Linux Server (Legacy)** wizard. In the following screenshot you can see how the search field allows you to quickly find a wizard.

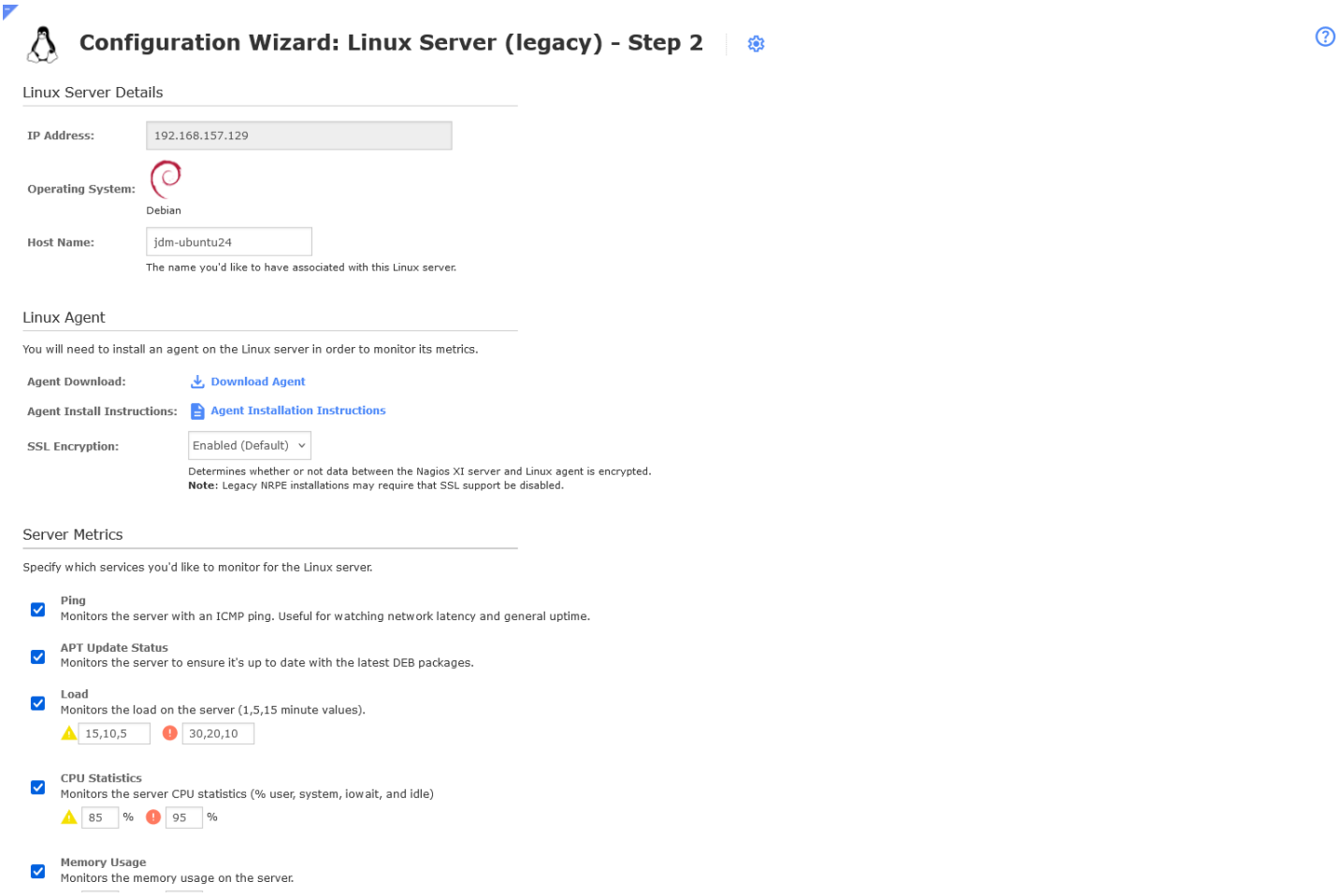


On **Step 1** you will be asked to supply the **address** of the machine running the NRPE agent.

You will also have to select the **Linux Distribution**, in this case it is Debian.

Click Next to progress to **Step 2**.

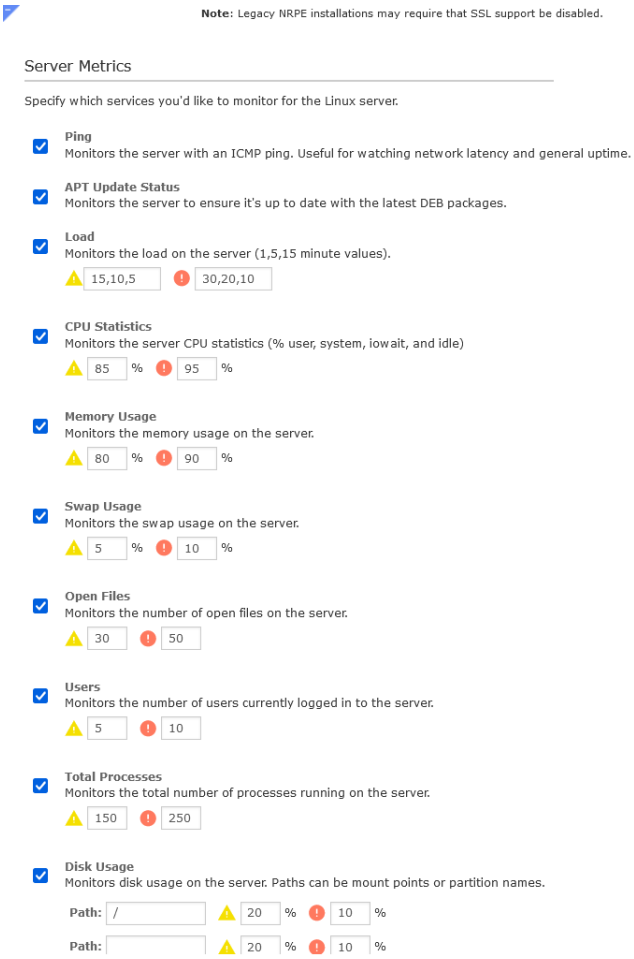
On **Step 2** you will configure all of the options for monitoring.



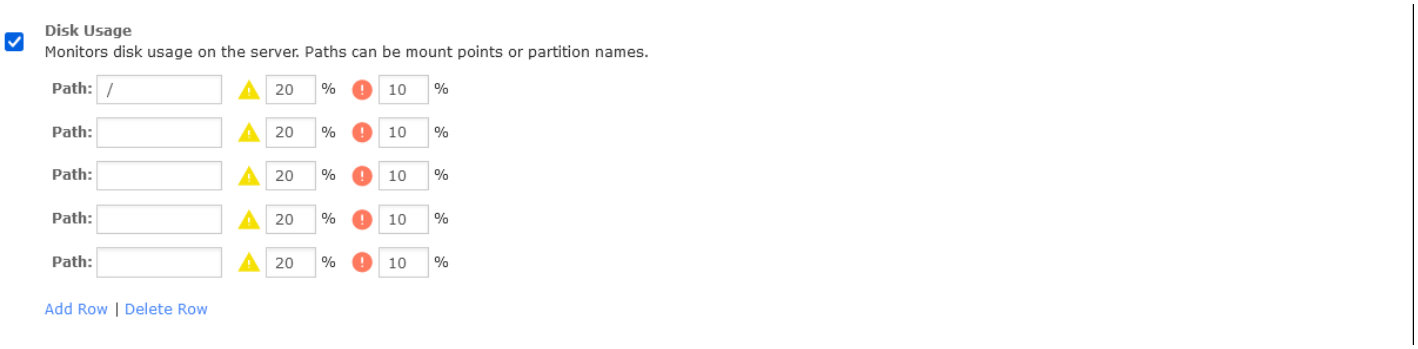
To start off with, make sure a valid **Host Name** has been entered.

The Linux Agent section can be ignored because you have already installed it.

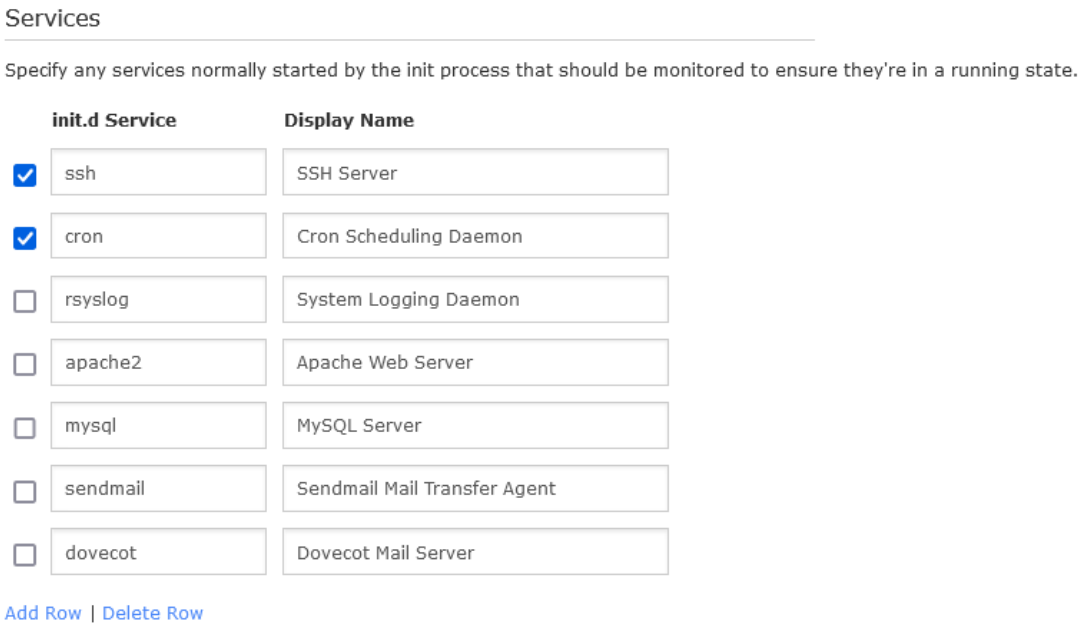
Select the server metrics you wish to monitor and adjust the thresholds as required.



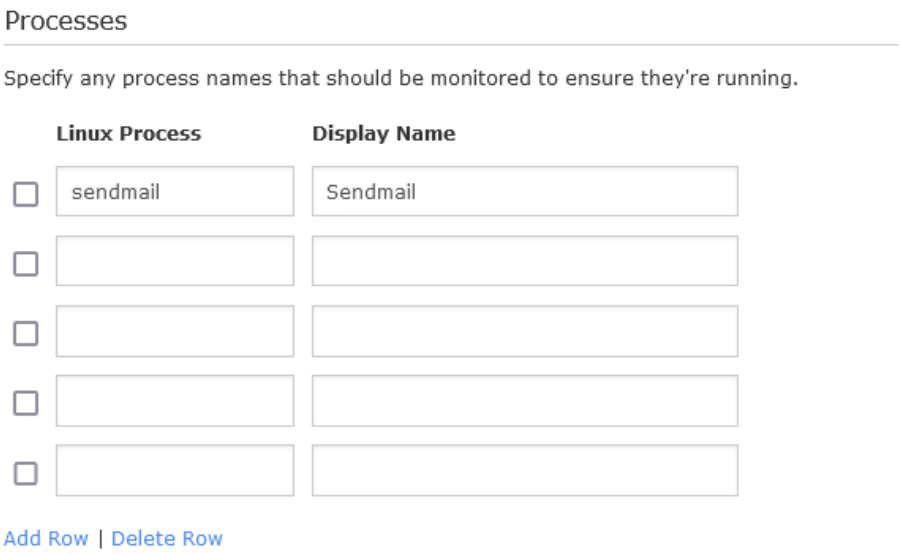
The **Disk Usage** checks allow you to add the disks you wish to monitor, adjust the thresholds as required.



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



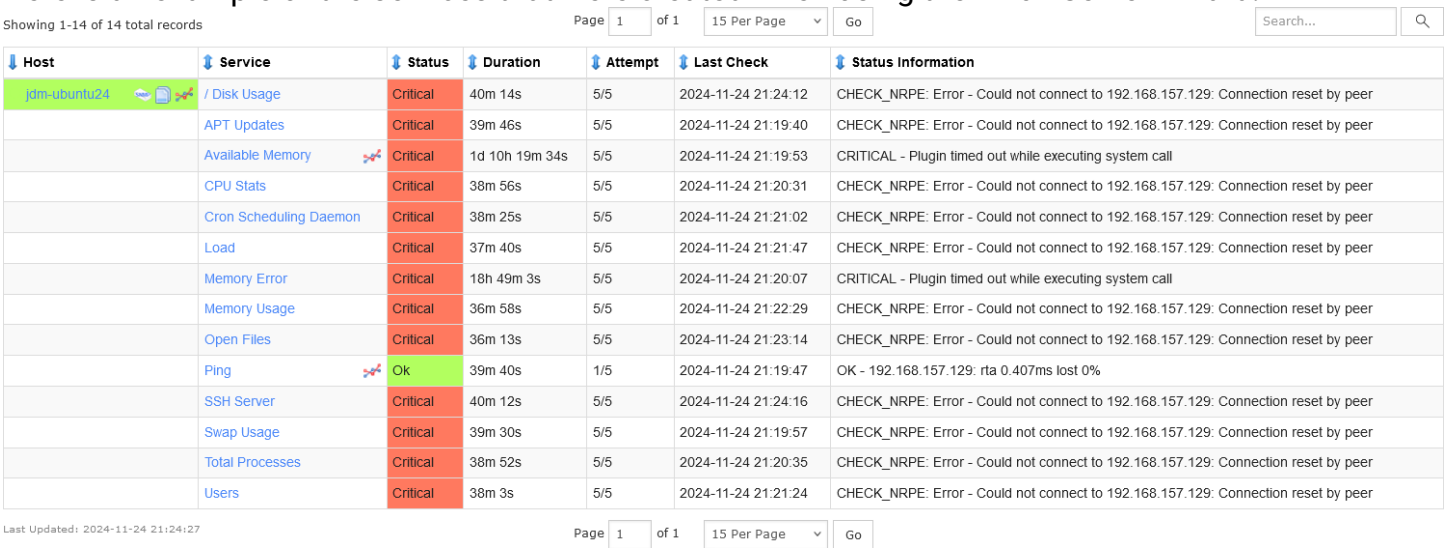
With the **Processes** checks, select any of the predefined services in the list or add your own.



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 the 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.

Here is an example of the services that were created when using the Linux Server wizard:



Showing 1-14 of 14 total records — Page 1 of 1 — 15 Per Page — Go — Search...

Host	Service	Status	Duration	Attempt	Last Check	Status Information
jdm-ubuntu24	/ Disk Usage	Critical	40m 14s	5/5	2024-11-24 21:24:12	CHECK_NRPE: Error - Could not connect to 192.168.157.129: Connection reset by peer
	APT Updates	Critical	39m 46s	5/5	2024-11-24 21:19:40	CHECK_NRPE: Error - Could not connect to 192.168.157.129: Connection reset by peer
	Available Memory	Critical	1d 10h 19m 34s	5/5	2024-11-24 21:19:53	CRITICAL - Plugin timed out while executing system call
	CPU Stats	Critical	38m 56s	5/5	2024-11-24 21:20:31	CHECK_NRPE: Error - Could not connect to 192.168.157.129: Connection reset by peer
	Cron Scheduling Daemon	Critical	38m 25s	5/5	2024-11-24 21:21:02	CHECK_NRPE: Error - Could not connect to 192.168.157.129: Connection reset by peer
	Load	Critical	37m 40s	5/5	2024-11-24 21:21:47	CHECK_NRPE: Error - Could not connect to 192.168.157.129: Connection reset by peer
	Memory Error	Critical	18h 49m 3s	5/5	2024-11-24 21:20:07	CRITICAL - Plugin timed out while executing system call
	Memory Usage	Critical	36m 58s	5/5	2024-11-24 21:22:29	CHECK_NRPE: Error - Could not connect to 192.168.157.129: Connection reset by peer
	Open Files	Critical	36m 13s	5/5	2024-11-24 21:23:14	CHECK_NRPE: Error - Could not connect to 192.168.157.129: Connection reset by peer
	Ping	Ok	39m 40s	1/5	2024-11-24 21:19:47	OK - 192.168.157.129: rta 0.407ms lost 0%
	SSH Server	Critical	40m 12s	5/5	2024-11-24 21:24:16	CHECK_NRPE: Error - Could not connect to 192.168.157.129: Connection reset by peer
	Swap Usage	Critical	39m 30s	5/5	2024-11-24 21:19:57	CHECK_NRPE: Error - Could not connect to 192.168.157.129: Connection reset by peer
	Total Processes	Critical	38m 52s	5/5	2024-11-24 21:20:35	CHECK_NRPE: Error - Could not connect to 192.168.157.129: Connection reset by peer
	Users	Critical	38m 3s	5/5	2024-11-24 21:21:24	CHECK_NRPE: Error - Could not connect to 192.168.157.129: Connection reset by peer

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Finishing Up

This completes the documentation on how to monitor Linux in Nagios XI using NRPE.

. 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 Visit Nagios Knowledgebase Visit Nagios Library