**Link:** **https://sysadminxpert.com/step-by-step-method-for-installing-nagios-in-amazon-linux/**

**Step By Step method for installing Nagios in Amazon Linux**

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In this blog, we’ll explain the Step By Step method for installing Nagios in Amazon Linux. Nagios is a very lightweight monitoring tool.

I was using this tool for the past 1-2 years but somehow one day it gets crash and to setup/restore Nagios it took more than 4hours(on-premises). so rather than running it on a machine that itself was constantly crashing I decided to move it onto Amazon Web Services EC2 platform using the Free Tier Entitlement you get when you first sign up. Therefore the total cost to me to move it from home to the cloud was $0, at least for the first 12 months and not taking into account time.

[](https://sysadminxpert.com/step-step-method-installing-nagios-amazon-linux/nagios-core/)

**Step By Step method for installing Nagios in Amazon Linux**

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To Start Nagios Core Installation you must have your EC2 instance up and run and have already configured SSH access to the instance.

**Step 1: Install Prerequisite Software**

Nagios requires the following packages are installed on your server prior to installing Nagios:

\* Apache  
\* PHP  
\* GCC compiler  
\* GD development libraries

You can use yum to install these packages by running the following commands (as ec2-user):

sudo yum install httpd php

sudo yum install gcc glibc glibc-common

sudo yum install gd gd-devel

**Step 2: Create Account Information**

You need to set up a Nagios user. Run the following commands:

sudo adduser -m nagios

sudo passwd nagios

Type the new password twice.

sudo groupadd nagcmd

sudo usermod -a -G nagcmd nagios

sudo usermod -a -G nagcmd apache

**Step 3: Download Nagios Core and the Plugins**

Create a directory for storing the downloads.

mkdir ~/downloads

cd ~/downloads

Download the source code tarball of both Nagios and the Nagios plugins. over the period below download link may get expire, so better to download it from the official [Nagios link](http://www.nagios.org/download/). (visit ***http://www.nagios.org/download/***for links to the latest versions)

wget http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-4.0.8.tar.gz

wget http://nagios-plugins.org/download/nagios-plugins-2.0.3.tar.gz

(OR)

wget https://nagios-plugins.org/download/nagios-plugins-2.3.3.tar.gz

**Step 4: Compile and Install Nagios**

Extract the Nagios source code tarball.

tar zxvf nagios-4.0.8.tar.gz

cd nagios-4.0.8

Run the configuration script with the name of the group which you have created in the above step.

./configure --with-command-group=nagcmd

Compile the Nagios source code.

make all

Install binaries, init script, sample config files and set permissions on the external command directory.

sudo make install

sudo make install-init

sudo make install-config

sudo make install-commandmode

**Step 5: Customize Configuration**

Change E-Mail address with nagiosadmin contact definition you’d like to use for receiving Nagios alerts.

sudo vim /usr/local/nagios/etc/objects/contacts.cfg

**Step 6: Configure the Web Interface**

sudo make install-webconf

Create a nagiosadmin account for logging into the Nagios web interface. Note the password you need it while login to Nagios web console.

sudo htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin       //Type the new password twice.

sudo service httpd restart            //Restart Service

**Step 7: Compile and Install the Nagios Plugins**

Extract the Nagios plugins source code tarball.

cd ~/downloads

tar zxvf nagios-plugins-2.0.3.tar.gz

cd nagios-plugins-2.0.3

Compile and install the plugins.

./configure --with-nagios-user=nagios --with-nagios-group=nagios

make

sudo make install

**Step 8: Start Nagios**

Add Nagios to the list of system services and have it automatically start when the system boots.

sudo chkconfig --add nagios

sudo chkconfig nagios on

Verify the sample Nagios configuration files.

sudo /usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg

If there are no errors, start Nagios.

sudo service nagios start

**Step 9: Update AWS Security Group**

you need to open port 80 on the new AWS EC2 server to incoming traffic so you can connect to the new Nagios webpage.

\* From the EC2 console select Security Groups from the left navigation pane.  
\* Select the Security Group applicable for the instance that Nagios was installed on and open the Inbound tab  
\* If there is no rule to allow HTTP traffic on port 80 then click edit in the Inbound tab to add a new rule  
\* Click on New Rule button  
\* Scroll down to select HTTP from the list of Type  
\* If you want to be able to access Nagios from anywhere then select Save, otherwise enter the IP address or range of IP address you want to be able to access it from then select Save.

**Step 10: Log in to the Web Interface**

access the Nagios web interface to do this you will need to know the Public DNS or IP for your instance, you can get this from the Instance section of the EC2 Console if you do not already know it. You’ll be prompted for the username (nagiosadmin) and password you specified earlier.

e.g. http://ec2-xx-xxx-xxx-xx.ap-west-1.compute.amazonaws.com/nagios/

This is the end of the Tutorial, we detailed Step By Step method for installing Nagios in Amazon Linux.