

Installation

Tool name	Nagios
Tool version	4.4.1
OS version	Centos 7.4.1708 (Core)
Kernel version	3.10.0-693.el7.x86_64

Prerequisites Centos 7

Manual Installation:

- Step 1 Disable SELinux**
setenforce 0
sed -i --follow-symlinks 's/SELINUX=enforcing/SELINUX=disabled/g' /etc/sysconfig/selinux
- Step 2 Install Prerequisites**
yum install httpd php php-cli gcc glibc glibc-common gd gd-devel net-snmp openssl-devel wget unzip
- Step 3 Downloading the Source**
cd /tmp
wget -O nagioscore.tar.gz https://github.com/NagiosEnterprises/nagioscore/archive/nagios-4.4.1.tar.gz
tar xzf nagioscore.tar.gz
- Step 4 Compile**
cd /tmp/nagioscore-nagios-4.4.1/
./configure
make all
- Step 5 Create User And Group**
make install-groups-users
usermod -a -G nagios apache
- Step 6 Install Binaries**
make install
Install Service / Daemon
- Step 7 Install Service / Daemon**
make install-daemoninit
systemctl enable httpd.service
- Step 8 Install Command Mode**
make install-commandmode
- Step 9 Install Configuration Files**
make install-config
- Step 10 Install Apache Config Files**
make install-webconf
- Step 11 Configure Firewall**
firewall-cmd --zone=public --add-port=80/tcp
firewall-cmd --zone=public --add-port=80/tcp --permanent
- Step 12 Create nagiosadmin User Account**
htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
- Step 13 Start Apache Web Server**
systemctl start httpd.service
- Step 14 Start Service / Daemon**
systemctl start nagios.service
- Step 15 Test Nagios**
Nagios is now running, to confirm this we need to log into the Nagios Web Interface.

Point web browser to the ip address or FQDN of Nagios Core server, for example:

<http://192.168.56.101/nagios>

Silent installation:

- Prerequisites** Download All RPMs of package httpd, php, php-cli, gcc, glibc, glibc-common, gd, gd-devel, net-snmp, openssl-devel, wget, unzip
- Step 1**
- ```
mkdir -p /root/gcc
yum install --downloadonly --downloadaddir=/root/gcc/ gcc

mkdir -p /root/glibc
yum install --downloadonly --downloadaddir=/root/glibc/ glibc

mkdir -p /root/glibc-common
yum install --downloadonly --downloadaddir=/root/glibc-common/ glibc-common

mkdir -p /root/wget
yum install --downloadonly --downloadaddir=/root/wget/ wget

mkdir -p /root/unzip
yum install --downloadonly --downloadaddir=/root/unzip/ unzip

mkdir -p /root/httpd
yum install --downloadonly --downloadaddir=/root/httpd/ httpd

mkdir -p /root/php
yum install --downloadonly --downloadaddir=/root/php/ php

mkdir -p /root/gd
yum install --downloadonly --downloadaddir=/root/gd/ gd

mkdir -p /root/gd-devel
yum install --downloadonly --downloadaddir=/root/gd-devel/ gd-devel

mkdir -p /root/perl
yum install --downloadonly --downloadaddir=/root/perl/ perl

mkdir -p /root/postfix
yum install --downloadonly --downloadaddir=/root/postfix/ postfix
```
- Step 2** **Disable SELinux**
- ```
setenforce 0
sed -i --follow-symlinks 's/SELINUX=enforcing/SELINUX=disabled/g' /etc/sysconfig/selinux
```
- Step 3** **Downloading the Source**
- ```
cd /tmp
wget -O nagioscore.tar.gz https://github.com/NagiosEnterprises/nagioscore/archive/nagios-4.4.1.tar.gz
tar xzf nagioscore.tar.gz
```
- Step 4** **Compile**
- ```
cd /tmp/nagioscore-nagios-4.4.1/
./configure
make all
```
- Step 5** **Create User And Group**
- ```
make install-groups-users
usermod -a -G nagios apache
```
- Step 6** **Install Binaries**
- ```
make install
```
- Step 7** **Install Service / Daemon**
- ```
make install-daemoninit
systemctl enable httpd.service
```
- Step 8** **Install Command Mode**
- ```
make install-commandmode
```
- Step 9** **Install Configuration Files**
- ```
make install-config
```
- Step 10** **Install Apache Config Files**
- ```
make install-webconf
```
- Step 11** **Configure Firewall**
- ```
firewall-cmd --zone=public --add-port=80/tcp
firewall-cmd --zone=public --add-port=80/tcp --permanent
```
- Step 12** **Create nagiosadmin User Account**
- ```
htpasswd -cb /usr/local/nagios/etc/htpasswd.users <username> <password>
```
- Step 13** **Start Apache Web Server**
- ```
systemctl start httpd.service
```
- Step 14** **Start Service / Daemon**
- ```
systemctl start nagios.service
```
- Step 15** **Test Nagios**
- Nagios is now running, to confirm this we need to log into the Nagios Web Interface. Point web browser to the ip address or FQDN of Nagios Core server, for example: <http://192.168.56.101/nagios>

Cookbook installation :

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|---------------|--|--|
| Step 1 | Execute setup recipe of nagios | <code>chef-solo -c solo.rb -o recipe['nagios::setup']</code> |
| Step 2 | Execute configure recipe of Nagios. | <code>chef-solo -c solo.rb -o recipe['nagios::configure']</code> |
| Step 3 | Execute start recipe of Nagios. | <code>chef-solo -c solo.rb -o recipe['nagios::start']</code> |

Verification Steps :

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|---|-------------------------------|
| Step 1 | Verification of Nagios |
| Nagios should be running, to confirm this we need to log into the Nagios Web Interface.
Point web browser to the ip address or FQDN of Nagios Core server, for example:
http://192.168.56.101/nagios | |