

The Industry Standard in IT Infrastructure Monitoring

Purpose

This document describes how install Nagios Core and Nagios Plugins from source on CentOS and Ubuntu servers.

Target Audience

This document is intended for use by anyone wishing to install Nagios Core from source.

Prerequisites

For **Ubuntu** users, run all steps from this document with root permissions. The following command can be run to switch to a root shell.

```
sudo -i
```

Package requirements may vary depending on what type of installation platform Nagios is being installed on.

For **RHEL/CentOS** users:

```
yum install -y wget httpd php gcc glibc glibc-common gd gd-devel make net-snmp
```

For **Ubuntu** users:

```
sudo apt-get install wget install build-essential apache2 php5-gd wget libgd2-xpm libgd2-xpm-dev  
libapache2-mod-php5
```

Download Nagios Core and Nagios Plugins Tarballs

For all systems, run the following commands in your terminal:

```
cd /tmp  
wget http://prdownloads.sourceforge.net/sourceforge/nagios/nagios-3.4.1.tar.gz  
wget http://sourceforge.net/projects/nagiosplug/files/nagiosplug/1.4.15/nagios-plugins-1.4.15.tar.gz
```

This will download Nagios Core, and it's required plugins.

Adding the Nagios User and Group

Next add the appropriate user and group for the Nagios process to run:

```
useradd nagios  
groupadd nagcmd  
usermod -a -G nagcmd nagios
```

Nagios Core Installation

```
tar zxvf nagios-3.4.1.tar.gz
tar zxvf nagios-plugins-1.4.15.tar.gz
```

Change to the new Nagios directory and install the packages:

```
cd nagios
```

For **RHEL/CentOS** users:

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

For **Ubuntu** users:

```
./configure --with-nagios-group=nagios --with-command-group=nagcmd --with-mail=/usr/bin/sendmail
```

All systems:

```
make all
make install
make install-init
make install-config
make install-commandmode
make install-webconf
```

```
cp -R contrib/eventhandlers/ /usr/local/nagios/libexec/
chown -R nagios:nagios /usr/local/nagios/libexec/eventhandlers
```

```
/usr/local/nagios/bin/nagios -v /usr/local/nagios/etc/nagios.cfg
/etc/init.d/nagios start
```

For **RHEL/CentOS** users:

```
/etc/init.d/httpd start
```

Create a Default User for Web Access.

Add a default user for Web Interface Access:

```
htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
```

Nagios Plugin Installation

```
cd /tmp/nagios-plugins-1.4.15
./configure --with-nagios-user=nagios --with-nagios-group=nagios
make
make install
```

Nagios Service Setup

The following commands will register the Nagios daemon to be run upon system startup.

```
chkconfig --add nagios
chkconfig --level 35 nagios on
chkconfig --add httpd
chkconfig --level 35 httpd on
```

For **Ubuntu**:

```
ln -s /etc/init.d/nagios /etc/rcS.d/S99nagios
```

Nagios Web Interface

After correctly following the procedures you should now be able to access your Nagios Core installation from a web browser.

Simply use the following:

```
http://<your.nagios.server.ip>/nagios
```

And log in with the credentials you chose when adding the nagiosadmin user to the htpasswd.users file.

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Nagios[®] Core[™]
Version 3.4.1
May 11, 2012
Check for updates

- Get Started**
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Don't Miss...

- Improve your Nagios skillset with self-paced and instructor led training services.
- The new Nagios SNMP Trap Interface project makes managing traps easier.
- Monitor business processes with the new Nagios DPI addon.

Quick Links

- Nagios Library (tutorials and docs)
- Nagios Labs (development blog)
- Nagios Exchange (plugins and addons)
- Nagios Support (tech support)
- Nagios.com (company)
- Nagios.org (project)

Latest News

- Dominican Republic Nagios Site Launches
- Don't Miss The Early Bird Discounts For The 2012 Conference
- Final Call For Speakers At 2012 Nagios Conference
- More news...

Finishing Thoughts

If you have further questions please visit our support forum at:

<http://support.nagios.com/forum/>

Nagios Core Documentation:

<http://library.nagios.com/library/products/nagioscore/manuals/>