Nagios – Installing Nagios Core From Source Nagios[®]



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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 build-essential apache2 php5-gd libgd2-xpm libgd2-xpm-dev libapache2-modphp5

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-4.0.2.tar.gz wget https://www.nagios-plugins.org/download/nagios-plugins-1.5.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



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```
tar zxvf nagios-4.0.2.tar.gz
tar zxvf nagios-plugins-1.5.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-1.5
./configure --with-nagios-user=nagios --with-nagios-group=nagios
make
make install
```



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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.



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/



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