Nagios ®

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 build-essential apache2 php5-gd 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-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
```