Nagios ®

The Industry Standard in IT Infrastructure Monitoring

Purpose

This document describes how to install Nagios Core 4.1.1 and Nagios Plugins 2.1.1 on Centos 7 minimal.

Target Audience

This document is intended for use by anyone who wishes to install Nagios Core on a Centos 7 minimal machine.

Disable SELinux

Prior to starting our install, we need to disable SELinux.

```
setenforce 0
```

Modify `/etc/selinux/config` and change `enforcing` to `disabled`.

Install Prerequisites

We now need to install the programs that Core will need in order to function / install properly.

```
yum install httpd php php-cli gcc glibc glibc-common gd gd-devel net-snmp openssl-devel wget unzip
-y
```

Now, let's create a user and group for Nagios to use.

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

Download and Install Nagios

This is where we will download the required .tar.gz files for Nagios and Nagios Plugins.

```
cd /tmp
wget https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.1.1.tar.gz
wget http://www.nagios-plugins.org/download/nagios-plugins-2.1.1.tar.gz
tar zxf nagios-4.1.1.tar.gz
tar zxf nagios-plugins-2.1.1.tar.gz
cd nagios-4.1.1
```

Now that the files are extracted, let's start compiling Nagios!

```
./configure --with-command-group=nagcmd
make all
make install
make install-init
make install-config
make install-commandmode
make install-webconf
```

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Creating a password for nagiosadmin

We now need to create a password for the nagiosadmin user. This will be used to login to your core web GUI.

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

Install Nagios Plugins

Now that Nagios is installed, we need to install the plugins so that it can utilize them for checks.

```
cd /tmp/nagios-plugins-2.1.1
./configure --with-nagios-user=nagios --with-nagios-group=nagios --with-openssl
make all
make install
```

Start Nagios

If everything worked correctly prior to this, you will be able to start your Nagios Core service.

```
service httpd start
service nagios start
```

You should now be able to access your machine by navigating to http://nagiosip/nagios/ - if this does not work then please try these two troubleshooting steps.

Troubleshooting

If you cannot access the Nagios web page, it may be related to your firewall rules. The following command will open up port 80 on your Nagios Core machine.

```
firewall-cmd --zone=public --add-port=80/tcp --permanent
firewall-cmd --reload
```

If you are still unable to access the web GUI, your web server may be only listening on IPv6. Modify `/etc/httpd/conf/httpd.conf` and look for the part that says 'Listen :80'. Modify it to be 'Listen 0.0.0.0:80'. Then, run `service httpd restart`