

LAB 8: Installing and Configuring Nagios

Step 1: Disable SELinux

```
sed -i 's/SELINUX=enforcing/SELINUX=disabled/g' /etc/selinux/config
setenforce 0
sestatus
```

Step 2: Install required Packages

```
yum install https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm
yum install wget php gcc glibc-common gd gd-devel make net-snmp perl perl-devel openssl
```

Step 3: Download package

```
wget https://assets.nagios.com/downloads/nagioscore/releases/nagios-4.4.4.tar.gz
```

Step 4: Extract the package

```
tar -xvf nagios-4.4.4.tar.gz
```

Step 5: Create user and Group

```
groupadd nagcmd
useradd -g nagcmd nagios
usermod -aG nagcmd apache
groupadd nagios
usermod -aG nagios nagios
id nagios
```

Step 6: Compile the package

```
cd nagios-4.4.4
./configure --with-command-group=nagcmd
make all
make install
make install-init
make install-commandmode
make install-config
make install-exfoliation
```

Step 7: Create nagiosadmin user and password for web console access. Enable and Start Services.

```
htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin
systemctl status httpd
systemctl start httpd
systemctl enable httpd
systemctl start nagios
systemctl enable nagios
systemctl status httpd
systemctl status nagios
```

Step 8: Download and install Nagios plugins

```
cd /tmp
wget https://nagios-plugins.org/download/nagios-plugins-2.3.3.tar.gz
tar -xvf nagios-plugins-2.3.3.tar.gz
cd nagios-plugins-2.3.3
./configure --with-nagios-user=nagios --with-nagios-group=nagios
make
make install
cd /usr/local/nagios/libexec/
ls
cd /root/nagios-4.4.4
ls
make install-webconf
systemctl restart httpd
```

Step 9: Login to Web Console

Step 10: After successful installation of plugins, you can see all services checks completes normally