

# Nagios

- Nagios is available as open-source software & it is used to monitor computer systems.
- It executes a continuous check on the critical application, server, resources, network & tasks.
- The memory usage of monitor & disk, the load of the microprocessor, number of processor & logs currently running.

## Installations

### In master node

- ```
# yum update
# systemctl stop firewalld.service
# systemctl disable firewalld.service
# vi /etc/selinux/config
  ↳ SELINUX=disabled
# reboot
# systemctl start httpd
# systemctl enable httpd
# yum install http://build.openhpc.community/openhpc-1.3/CentOS-7/x86_64/ohpc-release-1.3-1.el7.x86_64.rpm
# yum install ohpc-nagios
# systemctl start nagios.service
# systemctl enable nagios.service
```

## Adding Admin user

```
# htpasswd -bc /etc/nagios/passwd nagiosadmin admin
```

↓                      ↓  
username              password.

If nagios service get tailed

```
# mkdir /var/run/nagios/  
# chown -R nagios:nagios /var/run/nagios/  
# systemctl restart nagios  
# systemctl status nagios  
↳ it should be active (running)
```

## In client node

```
# yum update  
# systemctl stop firewalld  
# systemctl disable firewalld  
# vi /etc/selinux/config  
↳ SELINUX = disabled  
# reboot  
# systemctl start httpd  
# systemctl enable firewalld  
# yum install http://build.openhpc.community/OpenHPC-  
1.31/centos-7/x86_64/ohpc-release-1.3-1.el7.x86_64.rf  
# yum install nagios-plugins-all-ohpc nrpe-ohpc  
# vi /etc/nagios/conf.d nrpe.cfg  
↳ allowed-host = 127.0.0.1, master ip address
```

```
# systemctl status nrpe.service
```

If nrpe service get failed

```
# chown -R nrpe:nrpe /var/log/nagios/
```

```
# systemctl restart nrpe.service
```

In master node (adding client node on server)

```
# cd /etc/nagios/conf.d/
```

```
# cp hosts.cfg.example hosts.cfg
```

```
# vi hosts.cfg
```

```
define hostgroup {
```

```
    - - - - -
```

```
    members client
```

```
define host {
```

```
    - - - - -
```

```
    host_name client.
```

```
    alias first client
```

```
    address client ip address
```

& delete below lines of file.

```
# systemctl restart nagios.service
```

If nagios service get failed

```
# chown -R nagios:nagios /etc/nagios/conf.d/host.cfg
```

```
# systemctl restart nagios.service.
```

# cd /etc/nagios/conf.d/

# cp services.cfg.example services.cfg.

# chown -R nagios:nagios /etc/nagios/conf.d/  
services.cfg

# systemctl restart nagios.service.