



## **Nagios installation on CentOS 6.2**

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Pegasi Knowledge

<https://ghost.pegasi.fi/wiki/>

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## Nagios installation on CentOS 6.2

### Nagios server

- disable selinux
- install packages and enable users `rpm -Uvh http://packages.sw.be/rpmforge-release/rpmforge-release-0.5.2-2.el6.rf.x86\_64.rpm yum -y install httpd php gd mod_ssl nagios* htpasswd -c /etc/nagios/htpasswd.users nagiosadmin`
- check that you have nagiosadmin user in /etc/nagios/cgi.cfg
- edit /etc/nagios/objects/contacts.cfg to include your data, at least your email `service nagios restart service httpd restart`
- test /nagios URL in your server

### Nagiosgraph

- fetch nagiosgraph rpm from <http://sourceforge.net/projects/nagiosgraph/files/nagiosgraph/>
- in shell `service nagios start service httpd start`
- test with your browser addresses `https://server/nagiosgraph/cgi-bin/showconfig.cgi  
https://server/nagiosgraph/cgi-bin/show.cgi`
- edit file /etc/nagios/objects/templates.cfg and add to the end of file `define service { name graphed-service actionurl /nagiosgraph/cgi-bin/show.cgi?host=$HOSTNAME&service=$SERVICEDESC$ onMouseOver='showGraphPopup(this)' onMouseOut='hideGraphPopup()' rel='/nagiosgraph/cgi-bin/showgraph.cgi?host=$HOSTNAME&service=$SERVICEDESC&period=week&rrdopts=-w+450+-j register 0 }` \* Add graphed functionality to your server object definition file /etc/nagios/objects/host.cfg `define service{ use local-service,graphed-service hostname localhost servicedescription PING checkcommand check_ping!100.0,20%!500.0,60% }`
- restart nagios and wait a few minutes

### Nagios NRPE client installation

NRPE client enables Nagios to query and use plugins remotely from Linux and Windows servers. This one is about Linux client.

- install software with yum `yum install nagios-nrpe nagios-plugins nagios-plugins-nrpe`
- use nrpe daemon or xinetd, this one uses daemonized nrpe `vi /etc/nagios/nrpe.cfg`
- fix allowedhosts according to your environment \* fix the check commands according to your environment (w = warning, c = critical limit) `command[checkusers]=/usr/lib64/nagios/plugins/checkusers -w 5 -c 10`

```
command[checkload]=/usr/lib64/nagios/plugins/checkload -w 10,7,4 -c 20,15,10
#command[checkload]=/usr/lib64/nagios/plugins/checkload -w 15,10,5 -c 30,25,20
command[checkrootv]=/usr/lib64/nagios/plugins/checkdisk -w 10% -c 5% -p
/dev/mapper/vgmysqlserver-rootv
command[checkzombieprocs]=/usr/lib64/nagios/plugins/checkprocs -w 5 -c 10 -s Z
command[checktotalprocs]=/usr/lib64/nagios/plugins/checkprocs -w 350 -c 400 </code>
```

- if you wish you can describe the service to /etc/services, needed if xinetd is used <code>nrpe 5666/tcp # Nagios NRPE</code>
- make iptables allow rules if necessary <code> iptables -I INPUT -p TCP -dport 5666 -s nagios-server-ip service iptables save </code>
- start nrpe daemon <code>service nrpe start</code>
- do testing in client <code>/usr/lib64/nagios/plugins/checknrpe -H localhost</code> <code>/usr/lib64/nagios/plugins/checknrpe -H localhost -c checkusers</code> \* do testing in nagios server /usr/lib64/nagios/plugins/checknrpe -H client-ip
- edit file /etc/nagios/objects/commands.cfg <code> define command{ commandname checknrpe commandline \$USER1\$/checknrpe -H \$HOSTADDRESS\$ -c \$ARG1\$ } </code>
- add the host to nagios server <code>vi /etc/nagios/objects/host.cfg</code>
- example data for /etc/nagios/objects/host.cfg <code> define host{ use linux-server hostname myhost alias My Virtual server address 192.168.1.2 } define service{ use local-service,graphed-service hostname myhost servicedescription PING checkcommand check\_ping!100.0,20%!500.0,60% }

define service{

```
use local-service,graphed-service
host_name myhost
service_description Root Partition
check_command check_nrpe!check_rootv
}
```

</code>