

NRPE (Nagios Remote Plugin Executor) Quick install and configuration guide

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Abstract

NRPE is an addon for Nagios used to execute commands (like `check_disk`, `check_procs`, etc.) on remote hosts. `check_nrpe` plugin is called from Nagios and makes command execution requests to the NRPE daemon running on remote hosts. In addition, security is ensured thanks to SSL/TLS encryption (anonymous DH mode).

NFSv4 module uses NRPE to get remote servers/clients states from the monitoring server. NRPE contains a provider which has to be installed on monitored machines. This tutorial covers basic NRPE installation and configuration needed by NFSv4 module.

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1 NRPE Install and configuration

First of all, you should download the tarball from the <http://www.nagios.org/download> and untar it.

Then go the new directory and issue :

```
./configure
```

The default configuration should be similar to the following :

```
General Options:
```

```
-----
```

```
NRPE port: 5666
```

```
NRPE user: nagios
```

```
NRPE group: nagios
```

You only need to change configure options if you want to use a different port or user/group. Then install the package :

```
make && make install
```

A basic configuration is done with :

```
cp src/nrpe /usr/bin
```

```
cp src/check_nrpe /usr/local/nagios/libexec
```

```
cp sample-config/nrpe.cfg /etc
```

Finally, start NRPE as a daemon on the **monitored** station :

```
nrpe -c /etc/nrpe.cfg -d
```

On the *monitoring* station, you need to add the command to Nagios *check_commands.cfg* file (in */usr/local/nagios/etc*):

```
# 'check_nrpe' command definition define command{  
    command_name check_nrpe  
    command_line $USER1$/check_nrpe -H $HOSTADDRESS$ -c $ARG1$  
}
```

And you can now use NRPE by defining services which call *check_nrpe*.

2 Usage

```
check_nrpe -H <host> [-n] [-p <port>] [-t <timeout>] [-c <command>] [-a  
<arglist...>]
```

Options:

-n = Do not use SSL

<host> = The address of the host running the NRPE daemon

[port] = The port on which the daemon is running (default=5666)

[timeout] = Number of seconds before connection times out (default=10)

[command] = The name of the command that the remote daemon should run

[arglist] = Optional arguments that should be passed to the command. Multiple arguments should be separated by a space. If provided, this must be the last option supplied on the command line.