

Nagios Checks with NRPE

Systems Administration

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Three kinds of Nagios Checks

1. Local services
2. Network exposed services
3. Remote services

Remote Services

- ▶ Sometimes we want to monitor remote services that are not exposed on a network
- ▶ There are a few ways to handle this, each with its pros and cons
- ▶ We'll consider one way, using *NRPE*

The approach

- ▶ We install the NRPE daemon on the remote host we want to monitor
- ▶ We also install the desired monitoring plugins on the remote host
- ▶ On the Nagios server, we use the NRPE plugin to send the check request to the remote host
- ▶ On the remote host, the NRPE daemon runs the check and reports the results back to the Nagios server

Install the NRPE daemon

On the remote server you want to monitor

- ▶ install `nagios-nrpe-server`
- ▶ Edit `/etc/nagios/nrpe.cfg`
- ▶ Add `mgmt` to the `allowed_hosts` values
- ▶ Add the following command to the commands section
`command[check_disk]=/usr/lib/nagios/plugins/check_disk
-w 20% -c 10%`
- ▶ Restart the NRPE server

On the Nagios server

- ▶ Define a service that checks remote disks over NRPE.
- ▶ Define a new hostgroup.
- ▶ Put the remote servers on which we want to monitor disk space in the host group.

Monitoring Windows Hosts

This done with a tool that is similar to NRPE

- ▶ On the Windows host, we install NSClient++
- ▶ On the Nagios server, we use the `check_nt` plugin to communicate with the Windows host