

NAGIOS Installation

Nagios port number- 5666

cd /usr/lib64/nagios/plugins/ to check for the plugins.

You can make your own plugins for in the above path.

Server Side

- vi /etc/hosts
- systemctl stop firewalld
- systemctl disable firewalld
- setenforce 0 ---- to disable selinux temporary
- vi /etc/selinux/config ----to disable selinux permanently
- wget
https://github.com/openhpc/ohpc/releases/download/v1.3.GA/ohpc-release-1.3-1.el7.x86_64.rpm
- yum install ohpc-release-1.3-1.el7.x86_64.rpm
- yum install ohpc-nagios
- mv /etc/nagios/conf.d/services.cfg.example /etc/nagios/conf.d/services.cfg
- mv /etc/nagios/conf.d/hosts.cfg.example /etc/nagios/conf.d/hosts.cfg
- htpasswd -c /etc/nagios/passwd nagiosadmin hpcsa
- systemctl start nagios
- systemctl start httpd
Open browser in VM and open the nagios dashboard <http://localhost/nagios>

Client Side

- Do the pre-requisite
- wget
https://github.com/openhpc/ohpc/releases/download/v1.3.GA/ohpc-release-1.3-1.el7.x86_64.rpm
- yum install ohpc-release-1.3-1.el7.x86_64.rpm
- yum install nagios-plugins-all nrpe-ohpc
- mkdir -p /var/log/nagios
- chown -R nrpe:nrpe /var/log/nagios

Server Side

- vi /etc/nagios/conf.d/hosts.cfg

```

define hostgroup {
    hostgroup_name compute
    alias compute nodes
    members nrpe
}

# example configuration of 4 remote linux systems
define host{
    use linux-box      ; Inherit default values from a template
    host_name nrpe      ; The name we're giving to this server
    alias nrpe          ; A longer name for the server
    address 192.168.38.129 ; IP address of Remote Linux host
}

```

Client Side

- vi /etc/nagios/nrpe.cfg
- change the local host ip into SERVER ip in line 106.
- Systemctl start nrpe

Server Side

Systemctl restart nagios

Systemctl restart httpd

Go to dashboard hosts.

Current Status
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Host Status Details For All Host Groups

Limit Results: 100

Host	Status	Last Check	Duration	Status Information
localhost	UP	01-03-2023 17:00:14	0d 0h 54m 37s	PING OK - Packet loss = 0%, RTA = 0.06 ms
nrpe	UP	01-03-2023 17:04:49	0d 0h 10m 37s	PING OK - Packet loss = 0%, RTA = 0.96 ms

Results 1 - 2 of 2 Matching Hosts

Go to Services

Service Status Summary For All Hosts

Limit Results: 100

Host	Service	Status	Last Check	Duration	Attempt	Status Information	
localhost	Current Load	OK	01-03-2023 17:05:15	0d 0h 53m 39s	1/4	OK - load average: 0.00, 0.02, 0.05	
	Current Users	OK	01-03-2023 17:08:39	0d 0h 55m 15s	1/4	USERS OK - 2 users currently logged in	
	HTTP	WARNING	01-03-2023 17:05:14	0d 0h 48m 40s	4/4	HTTP WARNING: HTTP/1.1 403 Forbidden - 5179 bytes in 0.004 second response time	
	PING	OK	01-03-2023 17:07:06	0d 0h 56m 48s	1/4	PING OK - Packet loss = 0%, RTA = 0.05 ms	
	Root Partition	OK	01-03-2023 17:08:13	0d 0h 55m 41s	1/4	DISK OK - free space: / 11886 MB (68.33% inode=98%)	
	SSH	OK	01-03-2023 17:04:45	0d 0h 54m 9s	1/4	SSH OK - OpenSSH_7.4 (protocol 2.0)	
	Swap Usage	OK	01-03-2023 17:05:25	0d 0h 53m 29s	1/4	SWAP OK - 100% free (2039 MB out of 2047 MB)	
	Total Processes	WARNING	01-03-2023 17:08:30	0d 0h 55m 24s	4/4	PROCS WARNING: 266 processes with STATE = RSZDT	
	nrpe	CPU Load	CRITICAL	01-03-2023 16:59:33	0d 0h 9m 21s	3/3	(No output on stdout) stderr: connect to address 192.168.38.129 port 5666: Connection refused
		Current Users	CRITICAL	01-03-2023 17:00:37	0d 0h 8m 17s	3/3	(No output on stdout) stderr: connect to address 192.168.38.129 port 5666: Connection refused
SSH Monitoring		CRITICAL	01-03-2023 17:01:41	0d 0h 7m 13s	3/3	(No output on stdout) stderr: connect to address 192.168.38.129 port 5666: Connection refused	
Total Processes		CRITICAL	01-03-2023 17:02:45	0d 0h 6m 9s	3/3	(No output on stdout) stderr: connect to address 192.168.38.129 port 5666: Connection refused	
Zombie Processes		OK	01-03-2023 17:03:49	0d 0h 5m 5s	1/3	PROCS OK: 0 processes with STATE = Z	

