Install and Configure Nagios

Step 1:   **Install Required Packages**

dnf install httpd php gcc glibc glibc-common gd gd-devel make net-snmp unzip wget

Step 2:   **Create Nagios User and Group**

useradd nagios

groupadd nagcmd

usermod -a -G nagcmd nagios

usermod -a -G nagcmd apache

Step 3:   **Download and Extract Nagios Core**

cd /tmp

wget -O nagios-4.5.4.tar.gz https://go.nagios.org/l/975333/2024-08-14/6dqd8

tar xzf nagios-4.5.4.tar.gz

cd nagios-4.5.4

Step 4:   **Configure Nagios Core**

dnf install openssl-devel

./configure --with-command-group=nagcmd

Step 5:   **Install Nagios Core**

make all

make install

make install-commandmode

make install-init

make install-config

make install-webconf

cd /tmp

wget https://nagios-plugins.org/download/nagios-plugins-2.4.11.tar.gz

tar xzf nagios-plugins-2.4.11.tar.gz

cd nagios-plugins-2.4.11

./configure --with-nagios-user=nagios --with-nagios-group=nagios

make

make install

systemctl stop firewalld

systemctl disable firewalld

htpasswd -c /usr/local/nagios/etc/htpasswd.users nagiosadmin

systemctl start httpd

systemctl enable httpd

systemctl start nagios

systemctl enable nagios

systemctl status nagios

cd /usr/local/nagios/etc/objects/

ls -ltr

vi localhost.cfg

```
vi hosts.cfg

define host {
    use                  linux-server
    host_name            CentosServer
    alias                My First Server
    address              192.168.100.162
    max_check_attempts   5
    check_period         24x7
    notification_interval 30
    notification_period   24x7
}

define service {
    use                   generic-service
    host_name             CentosServer
    service_description    PING
    check_command         check_ping!100.0,20%!500.0,60%
    max_check_attempts     5
    normal_check_interval  5
    retry_check_interval       1
    check_period          24x7
    notification_interval    30
    notification_period      24x7
}
```

Step 9: **Update Nagios Configuration**

cd /usr/local/nagios/etc/

vi nagios.cfg

cfg_file=/usr/local/nagios/etc/objects/hosts.cfg

Step 10: **Verify, Restart and Run Nagios**

cd /usr/local/nagios/etc/

vi nagios.cfg

cfg_file=/usr/local/nagios/etc/objects/hosts.cfg

http://192.168.100.161/nagios