OpenNms

* Used to monitor routers, servers and other network devices
* Configuration for alerts on status changes or performance issues
* Used to create network topology
* Installated with below steps on ubuntu server
  + Create a new apt source file

(eg: /etc/apt/sources.list.d/opennms.list)

Package repository configuration for Debian-based systems

deb https://debian.opennms.org stable main

deb-src https://debian.opennms.org stable main

* + GPG key import for Debian-based systems

wget -O - https://debian.opennms.org/OPENNMS-GPG-KEY | apt-key add -

* + Install Opennms

apt-get update

apt-get install -y opennms

tree -L 2

* + Prepare PostgreSQL

service postgresql start

su - postgres

createuser -P opennms

createdb -O opennms opennms

exit

su - postgres

psql -c "ALTER USER postgres WITH PASSWORD 'YOUR-POSTGRES-PASSWORD';"

exit

* + Set username and password for OpenNms database table and postgres user for administrative access to Postgre SQL

vi ${OPENNMS\_HOME}/etc/opennms-datasources.xml

* + Initialize OpenNms

${OPENNMS\_HOME}/bin/runjava -s

${OPENNMS\_HOME}/bin/install -dis

service opennms start

* Once Started access the web application through the following link:

http://<ip-or-fqdn-of-your-server>:8980/opennms

The default login user is admin and the password is initialized to admin.

* Once in the web UI you can discover network devices by pinging the devices using automatic discovery
* Once devices discovered you can configure the type of device and check if monitoring is enabled
* You can activate alerts if monitoring is working
* Network topology can by setup by going to maps tab and then selecting the servers and other devices to be included in the topology
* If unable to detect devices through automatic discovery, Manual discovery can be utilized by using the option quick add nodes