**Sonatype NEXUS Installation Commands**

**Login as a root user  
sudo su -  
cd /opt  
yum install tar wget -y  
wget** <https://download.sonatype.com/nexus/3/nexus-3.61.0-02-unix.tar.gz> **tar -zxvf** nexus-3.61.0-02-unix.tar.gz (need to change the version)

**#As a good security practice, Nexus is not advised to run nexus service as a root user, so create a new user called nexus and grant sudo access to manage nexus services as follows.  
   
useradd nexus  
  
#Give the sudo access to nexus user  
  
visudo  
nexus ALL=(ALL) NOPASSWD: ALL**

**#Change the owner and group permissions to /opt/nexus and /opt/sonatype-work directories.**

**mv /opt/nexus-3.61.0-02 /opt/nexus (need to change the version)  
chown -R nexus:nexus /opt/nexus  
chown -R nexus:nexus /opt/sonatype-work  
chmod -R 775 /opt/nexus  
chmod -R 775 /opt/sonatype-work**

**#Open /opt/nexus/bin/nexus.rc file and  uncomment run\_as\_user parameter and set as nexus user.  
  
vi /opt/nexus/bin/nexus.rc  
run\_as\_user="nexus"**

**#Create nexus as a service  
  
ln -s /opt/nexus/bin/nexus /etc/init.d/nexus**

**#Install java**

**sudo yum install java-1.8.0-amazon-corretto**

**sudo yum install java-1.8.0-amazon-corretto-devel**

**sudo yum localinstall java-1.8.0-amazon-corretto\*.rpm**

**java -version**

**Switch as a nexus user and start the nexus service as follows.  
  
sudo su nexus**

**#Enable the nexus services  
sudo systemctl enable nexus  
  
sudo systemctl start nexus**

**sudo systemctl status nexus**

**#Access the Nexus server from Laptop/Desktop browser.**

**http://IPAddess/Hostname:8081/**

**#Default Credentials**

**User Name:**

**Password:**

**Troubleshooting  
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nexus service is not starting?  
  
a)make sure need to change the ownership and group to /opt/nexus and /opt/sonatype-work directories and permissions (775) for nexus user.  
b)make sure you are trying to start nexus service with nexus user.  
c)check java is installed or not using java -version command.  
d) check the nexus.log file which is availabe in  /opt/sonatype-work/nexus3/log  directory.  
  
Unable to access nexus URL?  
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a)make sure port 8081 is opened in security groups in AWS ec2 instance.**