To install Sonatype Nexus on a Red Hat Enterprise Linux (RHEL) server, follow these step-by-step instructions:

Update the server : sudo yum update -y && yum upgrade -y (Update and upgrade all the packages)

Install java development kit Java 11 or Above required : Sudo yum install java-17-openjdk-devel -y or Sudo yum install java-11-openjdk-devel -y

Check the java version : java --version

It is recommended to run nexus as a dedicated user for security purposes: useradd nexus

Download the nexus: sudo wget https://download.sonatype.com/nexus/3/latest-unix.tar.gz

Extract the archive: sudo tar -xvzf latest-unix.tar.gz

Rename the extracted folder for clarity: sudo mv nexus-3\* nexus

Assign the ownership of nexus folder to nexus user: sudo chown -R nexus:nexus /opt/nexus

Configure nexus to run as a service: sudo vi /etc/systemd/system/nexus.service

{ ##Add the following content

[Unit]

Description=Nexus Repository Manager

After=network.target

[Service]

Type=forking

User=nexus

Group=nexus

ExecStart=/opt/nexus/bin/nexus start

ExecStop=/opt/nexus/bin/nexus stop

Restart=on-failure

TimeoutSec=30

LimitNOFILE=65536

[Install]

WantedBy=multi-user.target

}

Reload the systemd configuration and enable the Nexus service to start at boot:

sudo systemctl daemon-reload

sudo systemctl enable nexus

sudo systemctl start nexus

Check the status of the Nexus service: sudo systemctl status nexus

Alternatively, you can check if the Nexus port (default 8081) is listening by using: netstat -tuln | grep 8081

Access the nexus repository through the web by using public ip of instance where nexus installed and make sure the port 8081 enables at inbound rules of security groups.

The initial username is (admin) and you can access the password at (/opt/nexus/sonatype-nexus/nexus3/admin.password)