Jenkins:

Jenkins is installed in different instance and let us consider it as New\_jenkins. In Jenkins, all the credentials, settings, logs and jobs configurations are stored under JENKINS\_HOME(var/lib/jenkins) directory. The simplest way for performing a full backup is to copy JENKINS\_HOME directory from the present Main\_jenkins instance to New\_jenkins instance JENKINS\_HOME directory.

Follow below steps:

Installation of jenkins in new instance:

Install Jenkins using Build\_jenkins.sh (present in GitHub):

https://github.inbcu.com/newsconnect/ncx-dev-ops/blob/develop/DevOps-tools/Build\_Jenkins.sh

Install JDK-13 in order to perform application build in jobs after backup and restore

cd /opt

curl -O <https://download.java.net/java/GA/jdk13/5b8a42f3905b406298b72d750b6919f6/33/GPL/openjdk-13_linux-x64_bin.tar.gz>

tar -xf openjdk-13\_linux-x64\_bin.tar.gz && rm -f openjdk-13\_linux-x64\_bin.tar.gz

Backup and Restore:

Copy $JENKINS\_HOME from old Jenkins to new Jenkins:

sudo scp -rv -i /var/lib/jenkins/keypair.pem jenkins [enbeesee@New\_jenkins\_ip:/tmp/](mailto:enbeesee@34.222.12.199:/tmp/)

ssh -i /var/lib/jenkins/keypair.pem [enbeesee@New\_jenkins\_ip](mailto:enbeesee@34.222.12.199)  sudo rm -rf /var/lib/jenkins/

ssh -i /var/lib/jenkins/keypair.pem [enbeesee@New\_jenkins\_ip](mailto:enbeesee@34.222.12.199)  sudo mv /tmp/jenkins/ /var/lib/

Change the ownership of new Jenkins files:

ssh -i /var/lib/jenkins/keypair.pem [enbeesee@New\_jenkins\_ip](mailto:enbeesee@34.222.12.199)  sudo chown -R jenkins:jenkins /var/lib/jenkins/

Update Nexus Security Group (port 8081) for new Jenkins private IP

Note: Replace keypair.pem with the name of newly installed Jenkins keypair.pem and New\_jenkins\_ip with the IP of new Jenkins instance.

Nexus:

For Nexus, the easy procedure for backup and restore is copy both nexus and sonatype-work folder to new Nexus instance.

Install Nexus in New\_Nexus instance using the nexus.sh script present in ncx-dev-ops repo under DevOps-tools folder and validate it.

Nexus Installation script:

https://github.inbcu.com/newsconnect/ncx-dev-ops/blob/develop/DevOps-tools/nexus.sh

From Main\_Nexus instance copy /opt/nexus and /opt/sonatype-work to New\_Nexus instance.

Follow below steps:

Stop nexus in New Nexus instance:

 sudo systemctl stop nexus

Copy sonatype-work and nexus folder from Main\_nexus instance:

 sudo scp -rv -i 20newkeypair.pem /opt/sonatype-work enbeesee@New\_nexus\_ip:/tmp/

 sudo scp -rv -i 20newkeypair.pem /opt/nexus enbeesee@ New\_nexus\_ip:/tmp/

From New Nexus instance:

cd /opt

sudo  rm -rf \*

sudo mv /tmp/sonatype-work . & mv /tmp/nexus .

Change the ownership of both the folders:

sudo chown -R nexus:nexus /opt/nexus

sudo chown -R nexus:nexus /opt/sonatype-work

Start nexus in New Nexus instance:

 sudo systemctl start nexus