**Gitlab installation**

sudo yum install -y curl policycoreutils-python openssh-server perl

# Enable OpenSSH server daemon if not enabled: sudo systemctl status sshd

sudo systemctl enable sshd

sudo systemctl start sshd

# Check if opening the firewall is needed with:

sudo yum install firewalld

sudo systemctl status firewalld

sudo firewall-cmd --permanent --add-service=http

sudo firewall-cmd --permanent --add-service=https

sudo systemctl reload firewalld

sudo yum install postfix

sudo systemctl enable postfix

sudo systemctl start postfix

curl https://packages.gitlab.com/install/repositories/gitlab/gitlab-ce/script.rpm.sh | sudo bash

**ENTER host name**

sudo EXTERNAL\_URL="http://<insert ip address>" yum install -y gitlab-ce

sudo cat /etc/gitlab/initial\_root\_password

Navigate to IP address to see if Gitlab pops up.

**Jenkins installation**

sudo yum install java-11-op\_HOMEenjdk-devel

java –version

sudo yum -y install wget

export WILDFLY\_RELEASE="26.0.0"

wget [https://github.com/wildfly/wildfly/releases/download/${WILDFLY\_RELEASE}.Final/wildfly-${WILDFLY\_RELEASE}.Final.tar.gz](https://github.com/wildfly/wildfly/releases/download/$%7bWILDFLY_RELEASE%7d.Final/wildfly-$%7bWILDFLY_RELEASE%7d.Final.tar.gz)

tar xvf wildfly-${WILDFLY\_RELEASE}.Final.tar.gz

sudo mv wildfly-${WILDFLY\_RELEASE}.Final /opt/wildfly

sudo groupadd --system wildfly  
sudo useradd -s /sbin/nologin --system -d /opt/wildfly -g wildfly wildfly

sudo mkdir /etc/wildfly

sudo cp /opt/wildfly/docs/contrib/scripts/systemd/wildfly.conf /etc/wildfly/  
sudo cp /opt/wildfly/docs/contrib/scripts/systemd/wildfly.service /etc/systemd/system/  
sudo cp /opt/wildfly/docs/contrib/scripts/systemd/launch.sh /opt/wildfly/bin/  
sudo chmod +x /opt/wildfly/bin/launch.sh

sudo chown -R wildfly:wildfly /opt/wildfly

sudo systemctl daemon-reload

sudo semanage fcontext -a -t bin\_t "/opt/wildfly/bin(/.\*)?"  
sudo restorecon -Rv /opt/wildfly/bin/

sudo systemctl start wildfly  
sudo systemctl enable wildfly

systemctl status wildfly

sudo ss -tunelp | grep 8080

sudo /opt/wildfly/bin/add-user.sh

**Type a**

**Enter username and password**

cat >> ~/.bashrc <<EOF  
export WildFly\_BIN="/opt/wildfly/bin/"  
export PATH=\$PATH:\$WildFly\_BIN   
EOF

source ~/.bashrc  
jboss-cli.sh –connect

exit

sudo ss -tunelp | grep 9990

sudo vi /opt/wildfly/bin/launch.sh

if [[ "$1" == "domain" ]]; then  
 $WILDFLY\_HOME/bin/domain.sh -c $2 -b $3  
else  
 $WILDFLY\_HOME/bin/standalone.sh -c $2 -b $3 -bmanagement=0.0.0.0  
fi

sudo systemctl restart wildfly

sudo ss -tunelp | grep 9990

sudo yum install firewalld

sudo firewall-cmd --permanent --add-port={8080,9990}/tcp  
sudo firewall-cmd –reload

Navigate to IP address on port 9990 to see if jenkins pops up -> <http://ip:9990>

Log in using credentials you set up during installation.