# Installing Jenkins on Amazon Linux

## This SOP provides instructions for installing Jenkins on an Amazon Linux instance.

### Prerequisites

- Amazon Linux instance launched

- SSH access to the instance with administrative privileges

### Installation Steps

Step 1: Install Java OpenJDK 11

sudo amazon-linux-extras install java-openjdk11 -y

Step 2: Confirm Java installation

java -version

Step 3: Install EPEL repository

sudo amazon-linux-extras install epel -y

Step 4: Add Jenkins repository

curl --silent --location http://pkg.jenkins-ci.org/redhat-stable/jenkins.repo | sudo tee /etc/yum.repos.d/jenkins.repo

Step 5: Change to Jenkins repository directory

cd /etc/yum.repos.d/

Step 6: List repository contents

ls -l

Step 7: Import Jenkins repository key

sudo wget -O /etc/yum.repos.d/jenkins.repo https://pkg.jenkins.io/redhat-stable/jenkins.repo

sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key

Step 8: Install Jenkins

sudo yum install jenkins -y

Step 9: Check Jenkins status

systemctl status jenkins

Step 10: Start Jenkins service

sudo systemctl start jenkins

Step 11: Check Jenkins status

systemctl status jenkins

Step 12: Enable Jenkins service to start on boot

sudo systemctl enable jenkins

Step 13: Get Jenkins initial admin password

cat /var/lib/jenkins/secrets/initialAdminPassword

### Troubleshooting

If you encounter the error "warning: /var/cache/yum/x86\_64/2/jenkins/packages/jenkins-2.387.2-1.1.noarch.rpm: Header V4 RSA/SHA512 Signature, key ID ef5975ca: NOKEY Public key for jenkins-2.387.2-1.1.noarch.rpm is not installed", you can fix it by running the following command:

```

sudo rpm --import https://pkg.jenkins.io/redhat/jenkins.io-2023.key