1. **[**ec2-user ~]$ sudo yum update –y
2. Add the Jenkins repo using the following command:
3. **[**ec2-user ~]$ sudo wget -O /etc/yum.repos.d/jenkins.repo \

https://pkg.jenkins.io/redhat-stable/jenkins.repo

1. Import a key file from Jenkins-CI to enable installation from the package:

**[**ec2-user ~]$ sudo rpm --import https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key

**[**ec2-user ~]$ sudo yum upgrade

1. Install Java (Amazon Linux 2023):

**[**ec2-user ~]$ sudo dnf install java-17-amazon-corretto -y

1. Install Jenkins:

**[**ec2-user ~]$ sudo yum install jenkins -y

[root@ip-10-0-29-163 ~]# systemctl enable jenkins

Created symlink /etc/systemd/system/multi-user.target.wants/jenkins.service → /usr/lib/systemd/system/jenkins.service.

[root@ip-10-0-29-163 ~]# systemctl start jenkins

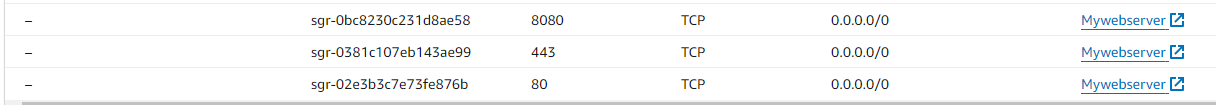
[root@ip-10-0-29-163 ~]# jenkins --version

2.426.2

[root@ip-10-0-29-163 ~]# cat /var/lib/jenkins/secrets/initialAdminPassword

cd09c51f67c1487da2997c8016fee388

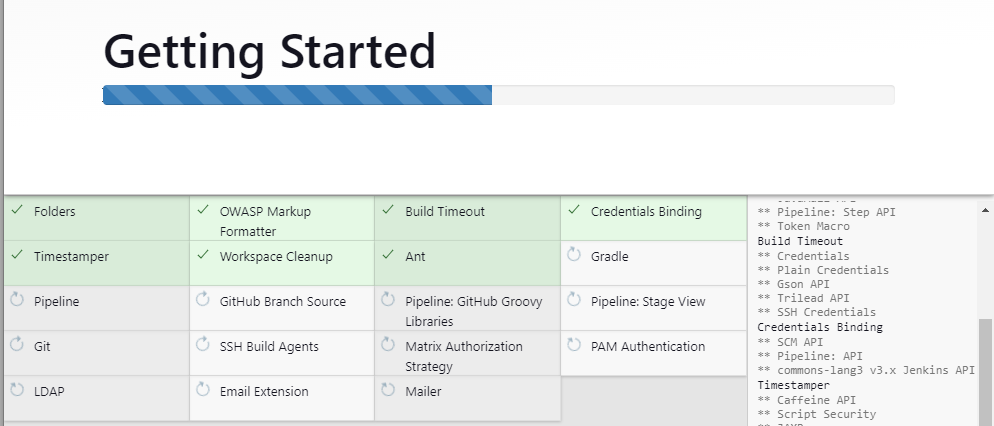
[root@ip-10-0-29-163 ~]#



<http://3.143.147.122:8080/>

Jenkins

jenkins



Integrate Maven to Jenkins and add Github credentials to Jenkins

Git credential personal access token for jenkins

ghp\_mgwUP7SZFSWIqFMy6qn8dCAe2WlJx427nBdi

ghp\_FAD1ZckvYaXaDxK4DCzmWzfWshAgQV33V8ti

create pipeline script for build and test artifacts and create CI job on Jenkins

PS C:\Users\shrijandra\EKS> cd '.\CICD Argo\'

PS C:\Users\shrijandra\EKS\CICD Argo> git add .

fatal: not a git repository (or any of the parent directories): .git

PS C:\Users\shrijandra\EKS\CICD Argo>git init

PS C:\Users\shrijandra\EKS\CICD Argo> git add .

PS C:\Users\shrijandra\EKS\CICD Argo> git commit -m "added jenkinsfile"

PS C:\Users\shrijandra\EKS\CICD Argo> git checkout -b shrijandra/web-app

Switched to a new branch 'shrijandra/web-app'

PS C:\Users\shrijandra\EKS\CICD Argo> git branch -a

master

\* shrijandra/web-app

PS C:\Users\shrijandra\EKS\CICD Argo> git push https://github.com/shrijandra/web-app.git

fatal: unable to access 'https://github.com/shrijandra/web-app.git/': OpenSSL SSL\_connect: Connection was reset in connection to github.com:443

PS C:\Users\shrijandra\EKS\CICD Argo> git config --global --unset-all remote.origin.proxy

PS C:\Users\shrijandra\EKS\CICD Argo> git push https://github.com/shrijandra/web-app.git

Enumerating objects: 25, done.

Counting objects: 100% (25/25), done.

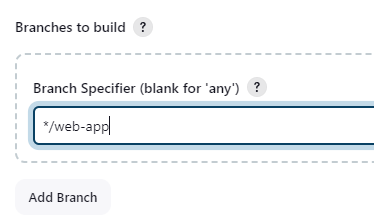
PS C:\Users\shrijandra\EKS\CICD Argo> git config --global user.name

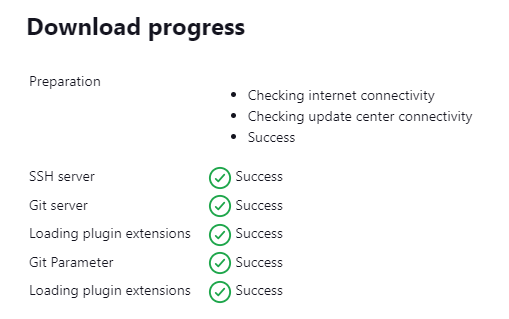
shrijandra

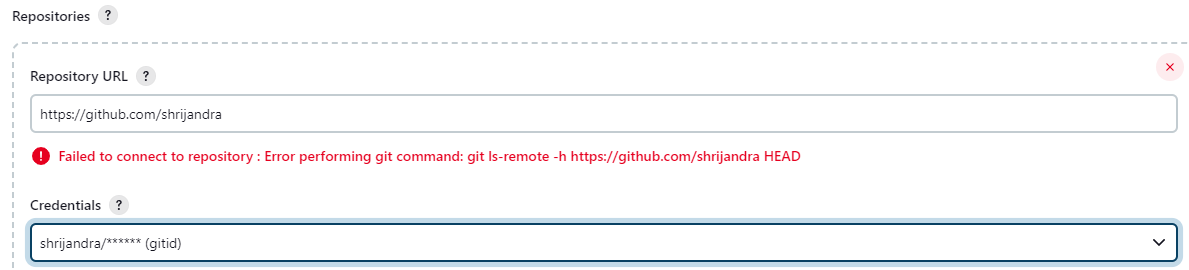
PS C:\Users\shrijandra\EKS\CICD Argo> git config --global user.email

shrijandra@yahoo.com

PS C:\Users\shrijandra\EKS\CICD Argo>







In console output

java.io.IOException: Cannot run program "git" (in directory "/var/lib/jenkins/caches/git-f5476d591911f224c882665611560dc9"): error=2, No such file or directory



[root@ip-10-0-29-163 ~]# yum install git -y

Last metadata expiration check: 1:26:19 ago on Tue Dec 26 03:31:47 2023.

Dependencies resolved.

