**Jenkins Terraform Pipeline**

1. Launch Jenkins server on AWS
2. Install Jenkins, update path of Jenkins user from /bin/false to /bin/bash using command usermod -s /bin/bash Jenkins
3. Install terraform on Jenkins server
4. Install git
5. Install java-17
6. Configure AWS by creating IAM user in AWS console and configure using secret key
7. Create Pipeline in Jenkins
8. pipeline {
9. agent any
10. stages {
11. stage('git checkout') {
12. steps {
13. git branch: 'main', url: 'https://github.com/PrajaktaGi/terraform\_Jenkins\_Pipeline.git'

}

1. }
3. stage('terraform init') {
4. steps {
5. sh 'terraform init'
6. }
7. }
9. stage('terraform plan') {
10. steps {
11. sh 'terraform plan -out $BUILD\_NUMBER'
12. }
13. }
15. stage('terraform apply') {
16. steps {
17. sh 'terraform apply $BUILD\_NUMBER'
18. }
19. }
20. }
21. }









