

PROJECT – 1

Deploying a Application into Different Environments.

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BATCH NO : 3PM , 113

COURSE : AWS AND DEVOPS

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1.PIPELINE SYNTAX

```
pipeline {
  agent any

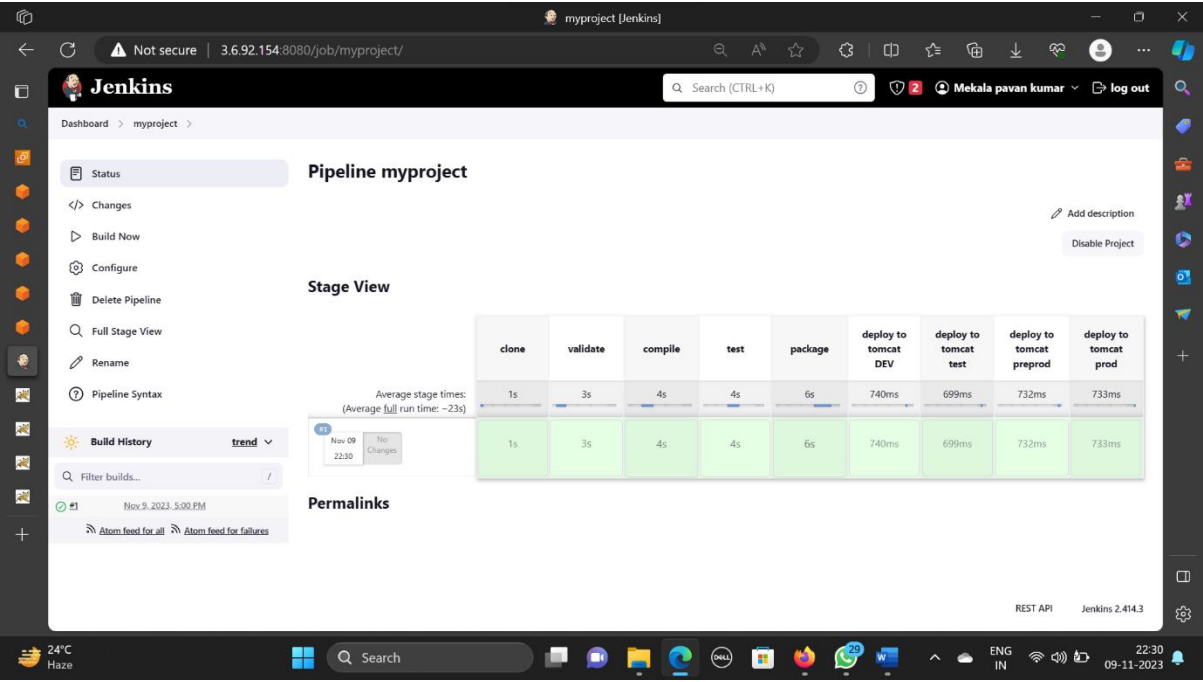
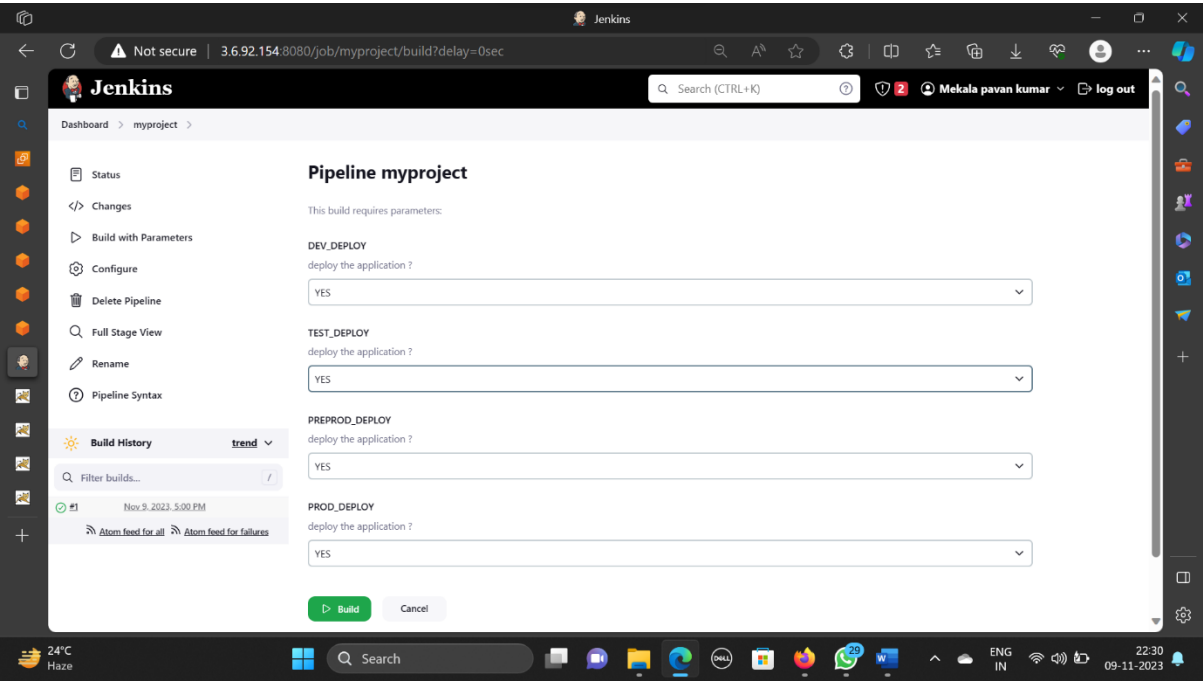
  parameters {
    choice (
      choices: ['YES', 'NO'], description: 'deploy the application ?', name: 'DEV_DEPLOY'
    )
    choice (
      choices: ['YES', 'NO'], description: 'deploy the application ?',name: 'TEST_DEPLOY'
    )
    choice (
      choices: ['YES', 'NO'], description: 'deploy the application ?', name: 'PREPROD_DEPLOY'
    )
    choice (
      choices: ['YES', 'NO'], description: 'deploy the application ?',name: 'PROD_DEPLOY'
    )
  }
  stages{
    stage('clone'){
      steps{
        git branch: 'master', url: 'https://github.com/venna12/dockerjenkin.git'
      }
    }
    stage('validate'){
      steps{
        sh 'mvn validate '
      }
    }
    stage('compile'){
      steps{
        sh 'mvn compile'
      }
    }
    stage('test'){
      steps{
        sh 'mvn test'
      }
    }
  }
}
```

```

stage('package'){
    steps{
        sh 'mvn package'
    }
}
stage('deploy to tomcat DEV'){
    when{
        expression{
            params.DEV_DEPLOY == 'YES'
        }
    }
    steps{
        deploy adapters: [tomcat9(credentialsId: 'jencat', path: '', url:
'http://13.233.238.169:8080/']], contextPath: null, war: '**/*.war'
    }
}
stage('deploy to tomcat test'){
    when{
        expression{
            params.TEST_DEPLOY == 'YES'
        }
    }
    steps{
        deploy adapters: [tomcat9(credentialsId: 'jencat', path: '', url:
'http://13.233.95.221:8080/']], contextPath: null, war: '**/*.war'
    }
}
stage('deploy to tomcat preprod'){
    when{
        expression{
            params.PREPROD_DEPLOY == 'YES'
        }
    }
    steps{
        deploy adapters: [tomcat9(credentialsId: 'jencat', path: '', url:
'http://43.205.210.179:8080/']], contextPath: null, war: '**/*.war'
    }
}
stage('deploy to tomcat prod'){
    when{
        expression{
            params.PROD_DEPLOY == 'YES'
        }
    }
    steps{
        deploy adapters: [tomcat9(credentialsId: 'jencat', path: '', url:
'http://15.206.68.114:8080/']], contextPath: null, war: '**/*.war'
    }
}
}
}

```

OUTPUT :



Jenkins

Not secure | 3.6.92.154:8080/job/myproject/build?delay=0sec

Search (CTRL+K)

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Dashboard > myproject >

Pipeline myproject

This build requires parameters:

DEV_DEPLOY
deploy the application ?
NO

TEST_DEPLOY
deploy the application ?
YES

PREPROD_DEPLOY
deploy the application ?
NO

PROD_DEPLOY
deploy the application ?
YES

Build History trend

Filter builds...

- #5 Nov 9, 2023, 5:03 PM
- #4 Nov 9, 2023, 5:02 PM
- #3 Nov 9, 2023, 5:02 PM
- #2 Nov 9, 2023, 5:01 PM
- #1 Nov 9, 2023, 5:00 PM

Atom feed for all Atom feed for failures

Build Cancel

25°C Haze

Search

22:34 09-11-2023

myproject [Jenkins]

Not secure | 3.6.92.154:8080/job/myproject/

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Dashboard > myproject >

Pipeline myproject

Add description

Disable Project

Stage View

	clone	validate	compile	test	package	deploy to tomcat DEV	deploy to tomcat test	deploy to tomcat preprod	deploy to tomcat prod
Average stage times: (Average full run time: ~21s)	1s	3s	4s	4s	6s	750ms	709ms	730ms	731ms
#5 Nov 09 22:34 No Changes	1s	3s	4s	4s	7s		684ms		722ms
#4 Nov 09 22:32 No Changes	1s	3s	4s	4s	6s	761ms			
#3 Nov 09 22:32 No Changes	1s	3s	4s	4s	6s		745ms		
#2 Nov 09 22:32 No Changes	1s	3s	4s	4s	6s			729ms	
#1 Nov 09 22:31 No Changes	971ms	3s	4s	4s	6s				740ms

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Search

22:34 09-11-2023