PROJECT-1

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BATCH NO: B-114,4PM

COURSE:MULTI CLOUD

TRAINER NAME: V. MADHUKAR REDDY

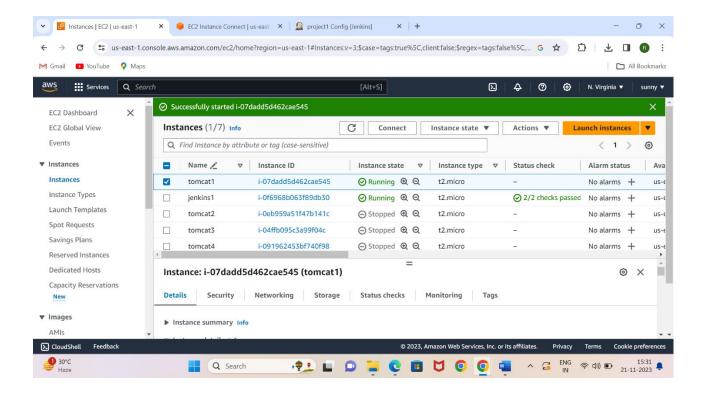
Project: Deploying a application into different environments

Pipeline Script:

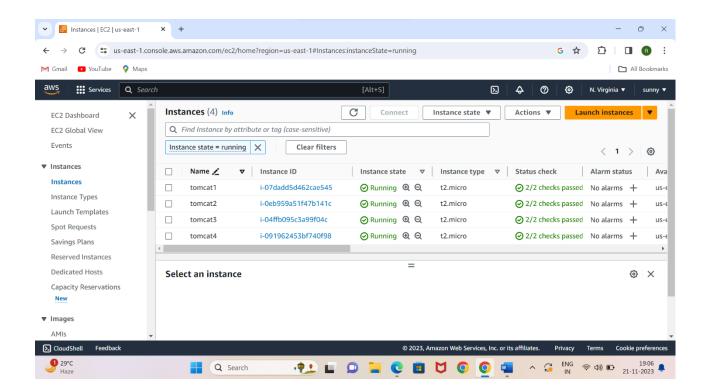
```
pipeline{
  agent any
  parameters{
    choice(
      choices:['YES','NO'],
      description: deploy to tomcat?',
      name:'DEPLOY'
    )
 }
 stages{
    stage('clone'){
      steps{
        git branch: 'DEV', url: 'https://github.com/Thiru799/raviLogin.git'
      }
    stage('validate'){
      steps{
        sh'mvn validate'
      }
    stage('compile'){
      steps{
        sh'mvn compile'
      }
    }
    stage('test'){
      steps{
        sh'mvn test'
      }
    stage('package'){
      steps{
        sh'mvn package'
```

```
}
    stage('deloy to dev'){
      when{
        expression{
           params.DEPLOY =='YES'
        }
      }
      steps{
        input"do you want to deploy to dev Env"
         deploy adapters: [tomcat9(credentialsId: 'tomcat', path: '', url: 'http://54.234.21.44:8080')],
contextPath: null, war: '**/*.war'
      }
    }
    stage('deploy to test'){
      when{
         expression{
           params.DEPLOY =='YES'
        }
      steps{
        input"do you want to deploy to test Env"
         deploy adapters: [tomcat9(credentialsId: 'tomcat', path: '', url: 'http://3.89.247.149:8080/')],
contextPath: null, war: '**/*.war'
      }
    }
    stage('deploy to prod'){
      when{
         expression{
           params.DEPLOY =='YES'
        }
      }
      steps{
        input"do you want to deploy to prod Env"
        deploy adapters: [tomcat9(credentialsId: 'tomcat', path: ", url: 'http://3.81.235.144:8080')],
contextPath: null, war: '**/*.war'
      }
    stage('deploy to pre-prod'){
      when{
         expression{
           params.DEPLOY =='YES'
        }
      }
      steps{
        input"do you want to deploy to pre-prod Env"
        deploy adapters: [tomcat9(credentialsId: 'tomcat', path: '', url: 'http://54.196.244.249:8080')],
contextPath: null, war: '**/*.war'
    }
  }
}
```

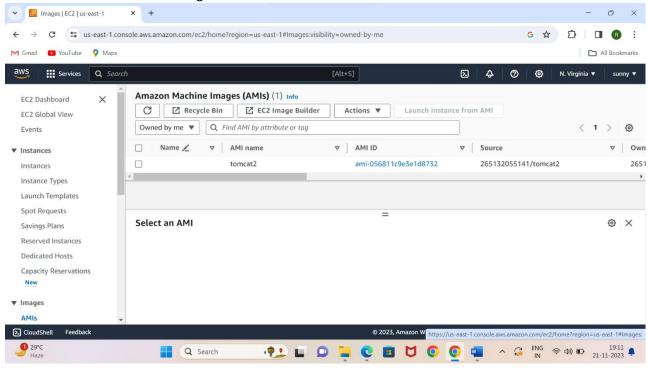
->First we creat tomcat instance



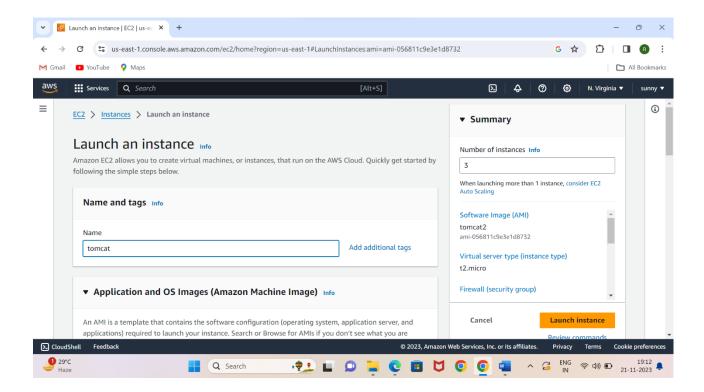
-> We want creat AMI by useing existing tomcat to creat 3 more tomcat servers



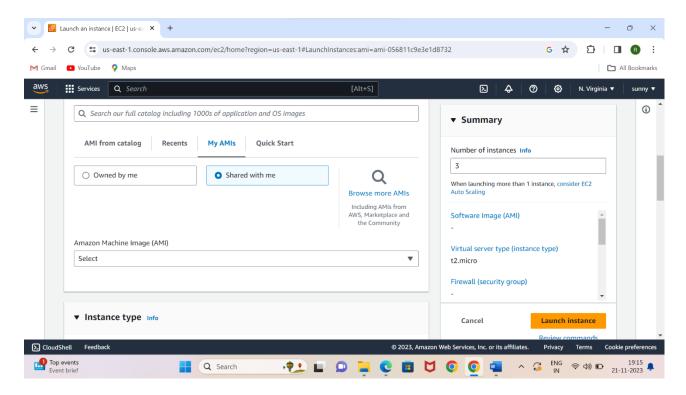
-> Then AMI will created in Images



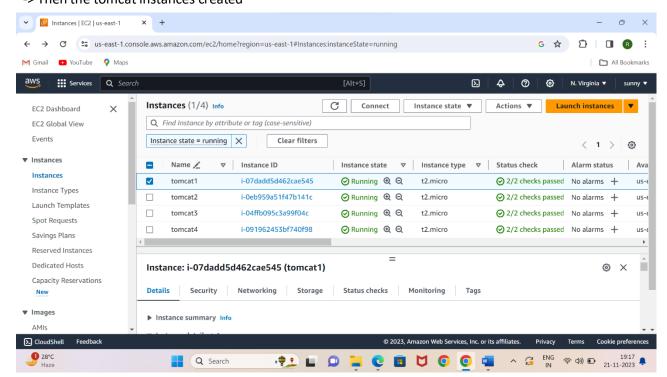
-> Then select AMI and click on launch instance from AMI



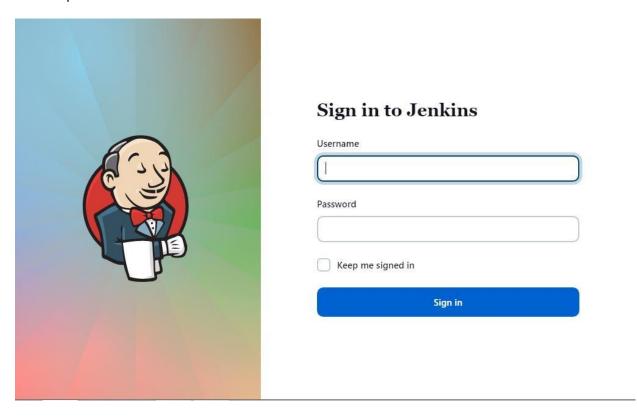
-> We want give name and right side we want give number of Instances want to be created



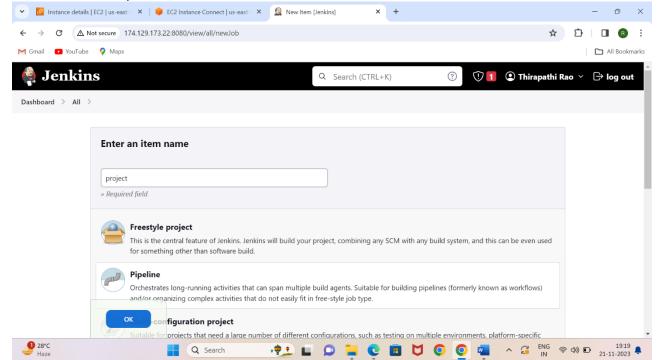
- -> At down we want select MY AMIS and click on Shared with me and select the AMI then launch instance
- -> Then the tomcat instances created



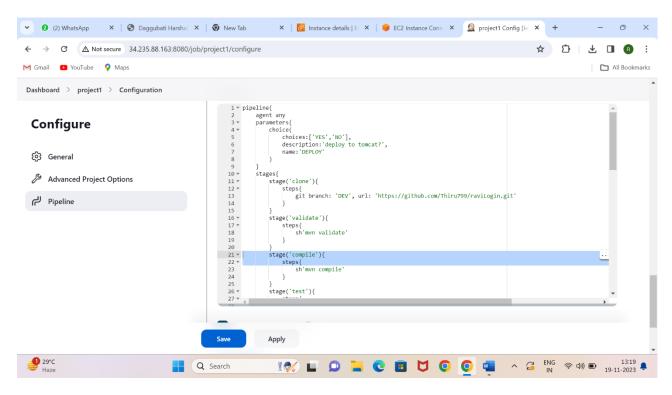
-> Now open Jenkins

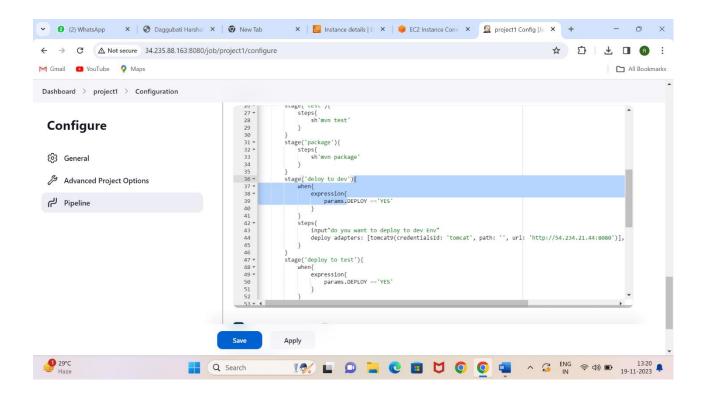


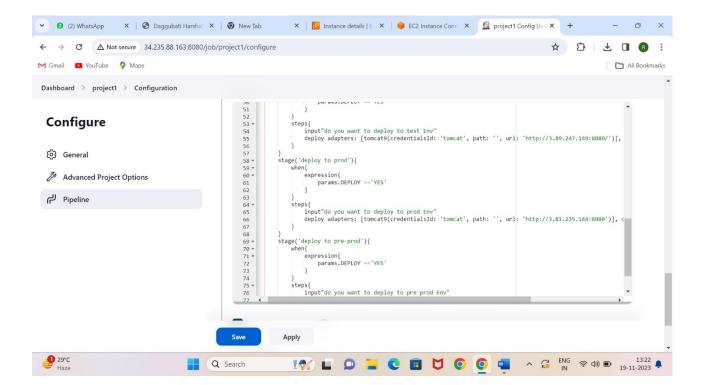
-> Creat the new Pipeline

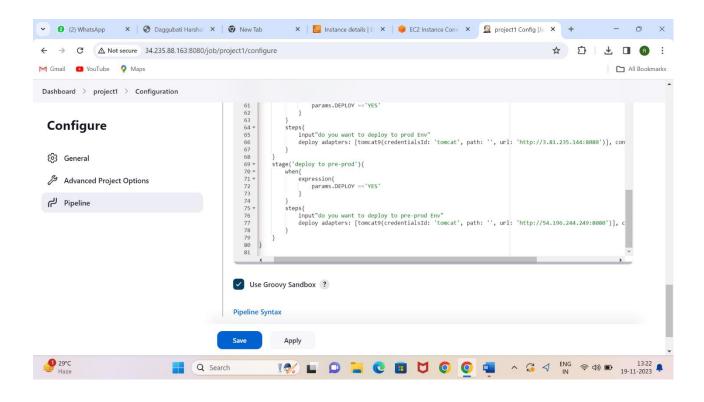


We want to write the script in pipeline

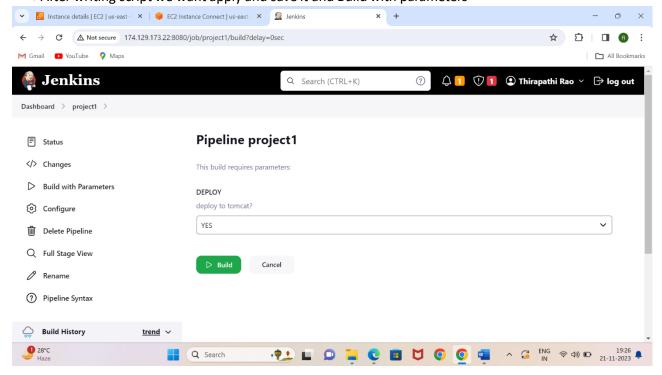


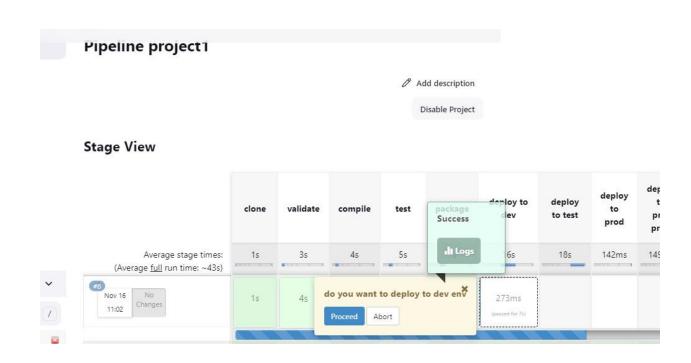




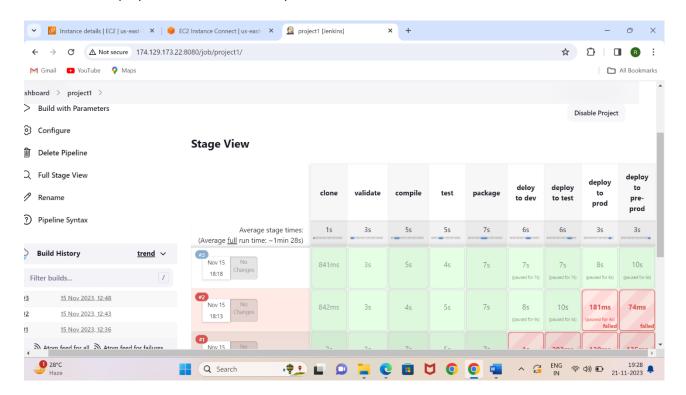


->After writing script we want apply and save it and Build with parameters

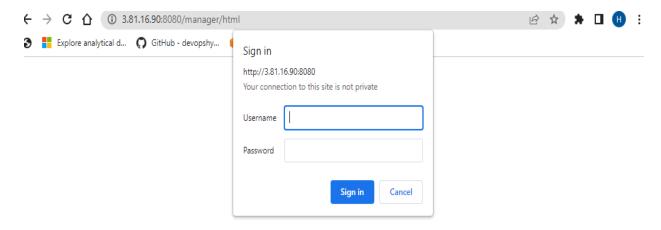




->After that deployment will be successfully



->First opening the tomcat we want give the id and password



OUTPUTS

->deploy to Dev OUTPUT

Manager						
<u>List Applications</u>		HTML Manager Help		<u>M</u> a	anager Help Server Status	
Applications						
Path	Version	Display Name	Running	Sessions	Commands	
,	None specified	Welcome to Tomcat	true	<u>0</u>	Start Stop Reload Undeploy	
					Expire sessions with idle ≥ 30 minutes	
/docs	None specified	Tomcat Documentation	true	<u>0</u>	Start Stop Reload Undeploy	
raucs	Ivone specified	Torrical Documentation	uue		Expire sessions with idle ≥ 30 minutes	
/examples	None specified	Servlet and JSP Examples	true	<u>0</u>	Start Stop Reload Undeploy	
					Expire sessions with idle ≥ 30 minutes	
/host-manager	None specified	Tomcat Host Manager Application	true	0	Start Stop Reload Undeploy	
					Expire sessions with idle ≥ 30 minutes	
/	None specified	Tomcat Manager Application	true	2	Start Stop Reload Undeploy	
/manager	Ivone specilled	Torrical Manager Application	uue		Expire sessions with idle ≥ 30 minutes	
/raviLogin-2.0	None specified	Account Registration Web Application	true	1	Start Stop Reload Undeploy	
					Expire sessions with idle ≥ 30 minutes	
/taxi-booking-1.0.1	None specified	Webapp	true	<u>0</u>	Start Stop Reload Undeploy	
					Expire sessions with idle ≥ 30 minutes	

->Deploy to the test

Applications							
Path	Version	Display Name	Running	Sessions	Commands		
!	None specified	Welcome to Tomcat	true	<u>0</u>	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes		
'docs	None specified	Tomcat Documentation	true	<u>0</u>	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes		
'examples	None specified	Servlet and JSP Examples	true	<u>0</u>	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes		
<u>'host-manager</u>	None specified	Tomcat Host Manager Application	true	<u>0</u>	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes		
'manager	None specified	Tomcat Manager Application	true	2	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes		
<u>'raviLogin-2.0</u>	None specified	Account Registration Web Application	true	<u>0</u>	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes		
'taxi-booking-1.0.1	None specified	Webapp	true	<u>0</u>	Start Stop Reload Undeploy Expire sessions with idle ≥ 30 minutes		

->Deploy to prod

Message: OK

Manager							
List Applications		HTML Manager Help		<u>Manager Help</u>		Server Status	
Applications							
Path	Version	Display Name	Running	Sessions	Commands		
!	None specified	Welcome to Tomcat	true	<u>0</u>	Start Stop Reload	Undeploy	
					Expire sessions with	n idle ≥ 30 minutes	
<u>(docs</u>	None specified	Tomcat Documentation	true	<u>0</u>	Start Stop Reload	d Undeploy	
					Expire sessions with	n idle ≥ 30 minutes	
'examples	None specified	Servlet and JSP Examples	true	0	Start Stop Reload	d Undeploy	
					Expire sessions with	n idle ≥ 30 minutes	
<u>'host-manager</u>	None specified	Tomcat Host Manager Application	true	<u>0</u>	Start Stop Reload	d Undeploy	
					Expire sessions with	n idle ≥ 30 minutes	
<u>'manager</u>	None specified	Tomcat Manager Application	true	2	Start Stop Reload	Undeploy	
					Expire sessions with	n idle ≥ 30 minutes	
<u>/raviLogin-2.0</u>	None specified	Account Registration Web Application	true	<u>0</u>	Start Stop Reload	d Undeploy	
					Expire sessions with	n idle ≥ 30 minutes	
taxi-booking-1.0.1	None specified	Webapp	true	<u>0</u>	Start Stop Reload	d Undeploy	
					Expire sessions with	n idle ≥ 30 minutes	

->Deplot to pre-prod

raviLogin-2.0

taxi-booking-1.0.1 None specified

Manager						
<u>List Applications</u>		HTML Manager Help		Ma	anager Help Server Status	
Applications						
Path	Version	Display Name	Running	Sessions	Commands	
,	None specified	Welcome to Tomcat	true 0		Start Stop Reload Undeploy	
1	None specified	vveicome to fornicat	liue	0	Expire sessions with idle ≥ 30 minutes	
(docs	None specified	Tomcat Documentation	true	<u>0</u>	Start Stop Reload Undeploy	
					Expire sessions with idle ≥ 30 minutes	
<u>'examples</u>	None specified	Servlet and JSP Examples	true	<u>0</u>	Start Stop Reload Undeploy	
					Expire sessions with idle ≥ 30 minutes	
<u>'host-manager</u>	None specified	Tomcat Host Manager Application	true	<u>0</u>	Start Stop Reload Undeploy	
					Expire sessions with idle ≥ 30 minutes	
<u>'manager</u>	None specified	Tomcat Manager Application	true	2	Start Stop Reload Undeploy	
					Expire sessions with idle ≥ 30 minutes	

0

0

true

true

Webapp

Start Stop Reload Undeploy

Expire sessions | with idle ≥ 30

Start | Stop | Reload | Undeploy |

Expire sessions with idle ≥ 30

minutes

minutes