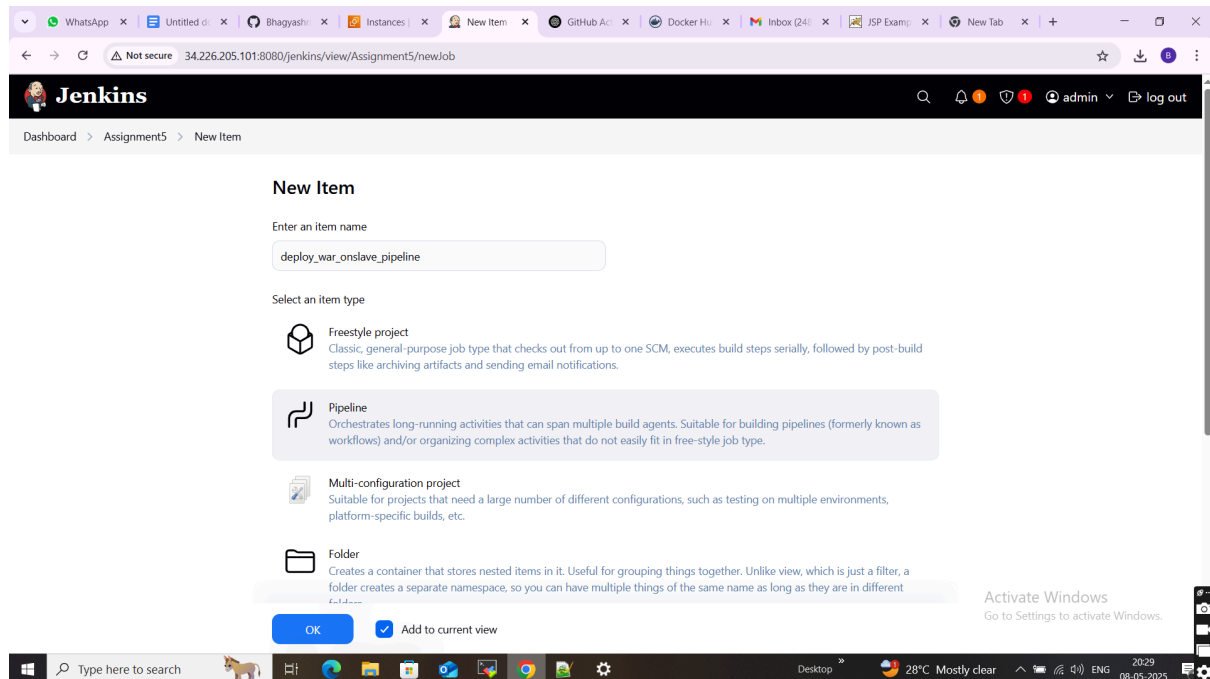
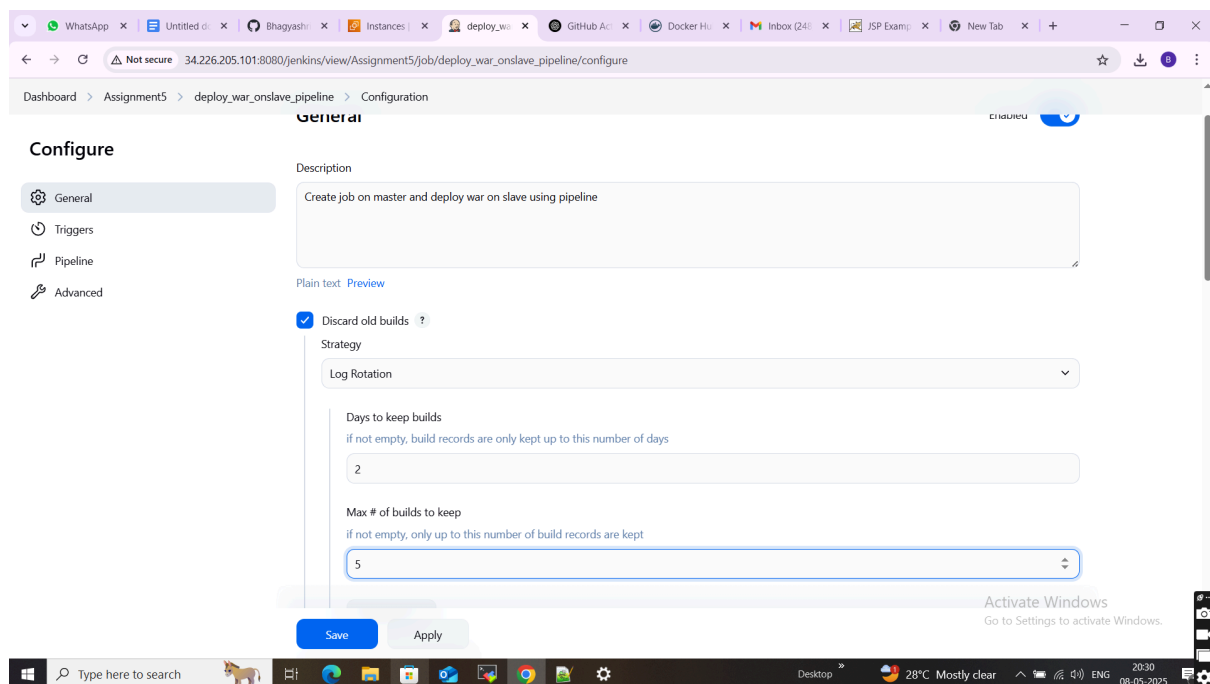


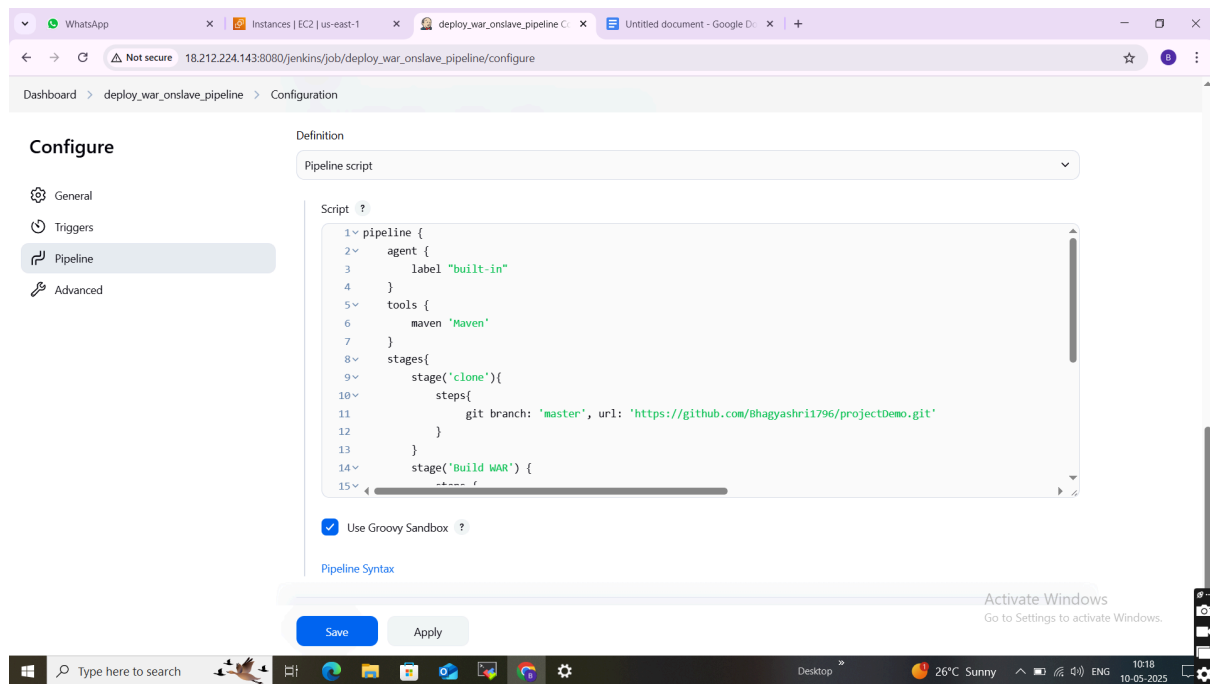
Assignment 5.1- Create job on master and deploy war on slave using pipeline



The screenshot shows the Jenkins 'New Item' page. The browser address bar indicates the URL is `34.226.205.101:8080/jenkins/view/Assignment5/newJob`. The Jenkins header shows the user is logged in as 'admin'. The breadcrumb trail is 'Dashboard > Assignment5 > New Item'. The main heading is 'New Item'. Below it, there is a text input field for 'Enter an item name' containing 'deploy_war_onslave_pipeline'. Under 'Select an item type', four options are listed: 'Freestyle project' (Classic, general-purpose job type), 'Pipeline' (Orchestrates long-running activities), 'Multi-configuration project' (Suitable for projects that need a large number of different configurations), and 'Folder' (Creates a container that stores nested items). The 'Pipeline' option is highlighted. At the bottom, there are 'OK' and 'Add to current view' buttons. A Windows taskbar is visible at the bottom with the date 2029-08-05-2025.



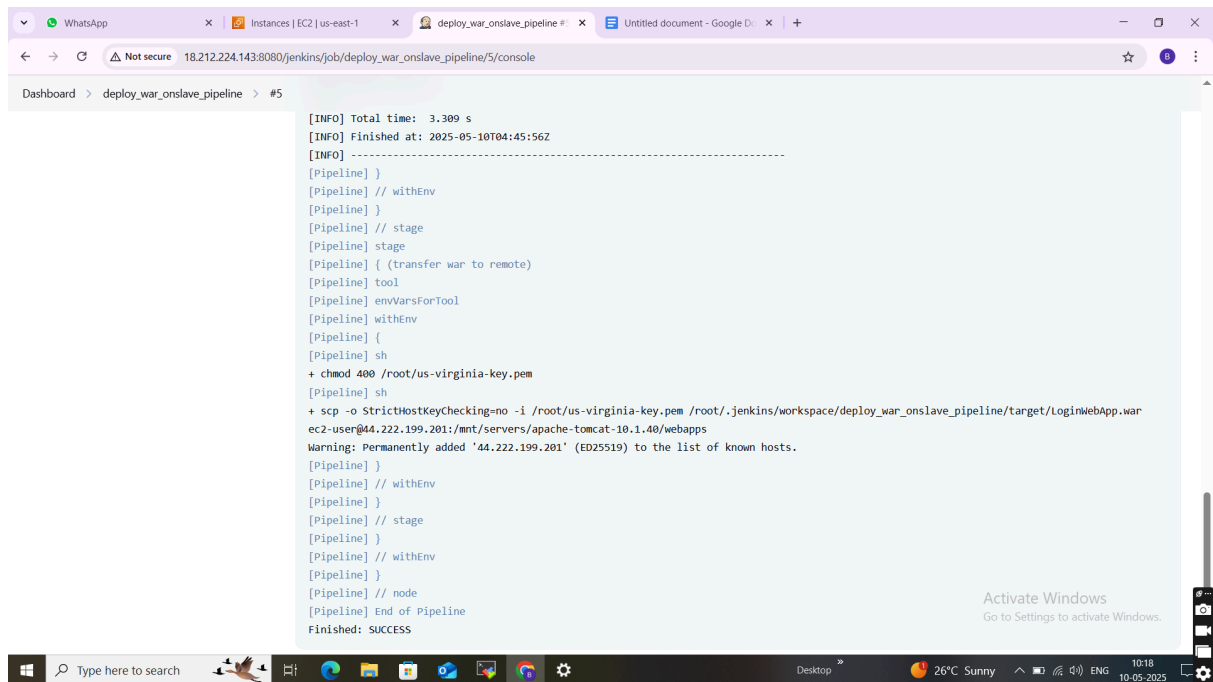
The screenshot shows the Jenkins 'Configure' page for the 'deploy_war_onslave_pipeline' job. The browser address bar shows the URL `34.226.205.101:8080/jenkins/view/Assignment5/job/deploy_war_onslave_pipeline/configure`. The breadcrumb trail is 'Dashboard > Assignment5 > deploy_war_onslave_pipeline > Configuration'. The page title is 'Configure'. On the left, there is a sidebar with 'General', 'Triggers', 'Pipeline', and 'Advanced' tabs. The 'General' tab is selected. The 'Description' field contains 'Create job on master and deploy war on slave using pipeline'. Below it, the 'Discard old builds' checkbox is checked. The 'Strategy' dropdown is set to 'Log Rotation'. The 'Days to keep builds' field is set to '2'. The 'Max # of builds to keep' field is set to '5'. At the bottom, there are 'Save' and 'Apply' buttons. A Windows taskbar is visible at the bottom with the date 2030-08-05-2025.



```
pipeline {
    agent {
        label "built-in"
    }
    tools {
        maven 'Maven'
    }
    stages{
        stage('clone'){
            steps{
                git branch: 'master', url:
'https://github.com/Bhagyashri1796/projectDemo.git'
            }
        }
        stage('Build WAR') {
            steps {
                sh 'mvn clean install'
            }
        }
        stage('transfer war to remote'){
            steps {
                sh 'chmod 400 /root/"us-virginia-key.pem"'
                sh 'scp -o StrictHostKeyChecking=no -i
/root/us-virginia-key.pem
```

```
/root/.jenkins/workspace/deploy_war_onslave_pipeline/target/LoginWebApp.war  
ec2-user@44.222.199.201:/mnt/servers/apache-tomcat-10.1.40/webapps'
```

```
}  
}  
  
}  
}
```



The screenshot shows a Jenkins console output for a pipeline named 'deploy_war_onslave_pipeline'. The output indicates that the deployment was successful, with a total time of 3.309 seconds. The pipeline steps include setting environment variables, defining a stage, and using a tool to transfer the war file to the remote server. The final step is a successful SCP command that copies the war file to the target directory on the EC2 instance. A warning message indicates that the host key for the target IP has been permanently added to the list of known hosts.

```
[INFO] Total time: 3.309 s  
[INFO] Finished at: 2025-05-10T04:45:56Z  
[INFO] -----  
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] stage  
[Pipeline] { (transfer war to remote)  
[Pipeline] tool  
[Pipeline] envVarsForTool  
[Pipeline] withEnv  
[Pipeline] {  
[Pipeline] sh  
+ chmod 400 /root/us-virginia-key.pem  
[Pipeline] sh  
+ scp -o StrictHostKeyChecking=no -i /root/us-virginia-key.pem /root/.jenkins/workspace/deploy_war_onslave_pipeline/target/LoginWebApp.war  
ec2-user@44.222.199.201:/mnt/servers/apache-tomcat-10.1.40/webapps  
Warning: Permanently added '44.222.199.201' (ED25519) to the list of known hosts.  
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] }  
[Pipeline] // node  
[Pipeline] End of Pipeline  
Finished: SUCCESS
```

