

## RDS-Assignment-1

**Deploy war file of application which is having database connection using Jenkins Pipeline Script.**

```
pipeline {  
    agent any  
  
    tools{  
        maven"maven"  
    }  
  
    stages {  
        stage('Git Checkout') {  
            steps {  
                sh 'rm -rf $WORKSPACE/project'  
                sh 'git clone https://github.com/Shailesh-Ghuge/project.git  
$WORKSPACE/project'  
            }  
        }  
  
        stage('Create WAR File') {  
            steps {  
                sh 'rm -rf ~/.m2/repository'  
                dir("$WORKSPACE/project") {  
                    sh 'mvn clean install'  
                }  
            }  
        }  
    }  
}
```

```

stage('Build Docker Image') {
    steps {
        writeFile file: "$WORKSPACE/project/Dockerfile", text: ""

        FROM tomcat:9.0

        COPY target/LoginWebApp.war /usr/local/tomcat/webapps/

        EXPOSE 8080

        CMD ["catalina.sh", "run"]

        ""

        dir("$WORKSPACE/project") {
            sh 'docker stop Loginwebapp || true'

            sh 'docker system prune -a -f'

            sh 'docker build -t loginwebapp .'

        }

    }
}

stage('Run Docker Container') {
    steps {
        sh 'docker run -d -p 8080:8080 --name Loginwebapp loginwebapp'

    }
}

```

}

The screenshot shows the Jenkins web interface in a browser. The address bar indicates the URL is `13.201.69.40:8080/jenkins/job/test/`. The Jenkins logo and name are at the top left, with a search bar on the right. Below the header, the breadcrumb navigation shows `Dashboard > test >`. On the left sidebar, the 'Status' tab is selected, showing a green checkmark icon and the job name 'test'. Below this, a list of actions is visible: 'Changes', 'Build Now', 'Configure', 'Delete Pipeline', 'Stages', 'Rename', and 'Pipeline Syntax'. The main content area displays 'test' with a green checkmark icon. Below this, there is a section titled 'Permalinks' with a list of links for various build types and numbers. At the bottom, there is a 'Build History' section with a 'trend' dropdown menu.

test

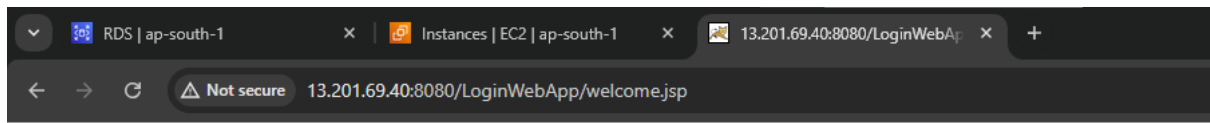
### Permalinks

- Last build (#3), 6 min 26 sec ago
- Last stable build (#3), 6 min 26 sec ago
- Last successful build (#3), 6 min 26 sec ago
- Last failed build (#2), 8 min 5 sec ago
- Last unsuccessful build (#2), 8 min 5 sec ago
- Last completed build (#3), 6 min 26 sec ago

Build History trend

The screenshot shows a web registration form titled 'Enter Information Here'. The form is displayed in a browser window with the address bar showing `13.201.69.40:8080/LoginWebApp/register.jsp`. The form contains several input fields for user registration: 'First Name' (filled with 'shailesh'), 'Last Name' (filled with 'ghuge'), 'Email' (filled with 'ghuge2shailesh@gmail.com'), 'User Name' (filled with 'shailesh'), and 'Password' (filled with '\*\*\*\*\*'). There are 'Submit' and 'Reset' buttons at the bottom of the form. Below the form, there is a message 'Already registered!!' followed by a blue link 'Login Here'.

Enter Information Here	
First Name	shailesh
Last Name	ghuge
Email	ghuge2shailesh@gmail.com
User Name	shailesh
Password	*****
Submit	Reset
Already registered!! <a href="#">Login Here</a>	



Registration is Successful. Please Login Here [Go to Login](#)