

Building Jenkins Pipeline

1. Make sure, you have installed 'Pipeline Maven Integration' plugin. If not, then please locate Manage Jenkins > Manage Plugins > Available tab > Type 'Pipeline Maven Integration' in the search box & then install it without Jenkins restart.
2. Make sure, you have correctly supplied Maven installable to Jenkins. For this, locate Manage Jenkins > Global Tool Configuration

Maven

Maven installations

Add Maven

Maven

Name

☒ Install automatically

☐ Install from Apache

Version

Delete Installer

3. Make sure, you have given correct path of Git.exe inside Manage Jenkins > Global Tool Configuration

Git

Git installations

Add Git

Git

Name

Path to Git executable

☐ Install automatically

Delete Git

4. Write a Jenkins script file using Groovy scripting named 'Jenkinsfile' inside same location where you have pom.xml. Commit this 'Jenkinsfile' into GitHub.

```
pipeline {
```

```
    agent any
```

```
    stages {
```

```
        stage('Clean stage') {
```

```
            steps {
```

```
                dir("ChatApp") {
```

```
                    withMaven(maven: 'maven_3_6_1') {
```

```
                        bat 'mvn clean'
```

```

    }

    }

    }

}

stage('Compile stage') {

    steps {

        dir("ChatApp") {

            withMaven(maven: 'maven_3_6_1') {

                bat 'mvn compile'

            }

        }

    }

}

stage('Install stage') {

    steps {

        dir("ChatApp") {

            withMaven(maven: 'maven_3_6_1') {

                bat 'mvn install'

            }

        }

    }

}

}

}

```

5. Now, create a Jenkin's pipeline project with below Pipeline configuration:

Pipeline

Definition Pipeline script from SCM

SCM Git

Repositories

Repository URL https://github.com/anand-xoriant/ITER

Credentials - none - Add

Advanced...

Add Repository

Branches to build

Branch Specifier (blank for 'any') */master

Add Branch

Repository browser (Auto)

Additional Behaviours Add

Script Path ChatApp/Jenkinsfile

Lightweight checkout ☒

[Pipeline Syntax](#)

6. Finally run the pipeline job & make sure all stages run successfully.

Pipeline pipeline_job



Last Successful Artifacts



[ChatApp-0.0.1-SNAPSHOT.pom](#)

2.21 KB [view](#)



[ChatApp-0.0.1-SNAPSHOT.war](#)

2.11 KB [view](#)



Recent Changes

Stage View

Average stage times:
(Average full run time: ~1min
11s)

#15

Mar 31

1



16:22

commit

Declarative:
Checkout
SCM

4s

4s

Clean stage

14s

14s

Compile
stage

13s

13s

Install stage

29s

29s