

Integrating Nexus with Jenkins

- 1) Create a Jenkinsfile mentioning what to do and a pipeline to create.

```
25 lines (25 sloc) | 335 Bytes
1 pipeline{
2   agent any
3   stages{
4     stage('Build'){
5       steps{
6         mvn build
7       }
8     }
9     stage('Test'){
10      steps{
11        mvn test
12      }
13    }
14    stage('Clean'){
15      steps{
16        mvn clean
17      }
18    }
19    stage('Deploy'){
20      steps{
21        mvn deploy
22      }
23    }
24  }
25 }
```

- 2) Configure Nexus in Jenkins configuration after installing the Nexus plugin.

Sonatype Nexus

Nexus Repository Manager Servers

Nexus Repository Manager 3.x Server

Display Name:

Server ID:

Server URL:

Credentials:

Nexus IQ Server

Extensible Choice: Available Choice Providers

- ☒ Artifactory Artifact Choice Parameter
- ☒ File Choice Parameter
- ☒ Global Choice Parameter

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- 3) Create a Jenkins pipeline and specifying the build configuration by Jenkinsfile.

The image shows the Jenkins 'Build Configuration' page for a project named 'nexus'. The 'Mode' is set to 'by Jenkinsfile' and the 'Script Path' is 'Jenkinsfile'. The 'Scan Repository Triggers' section has a checkbox for 'Periodically if not otherwise run' which is unchecked. The 'Orphaned Item Strategy' section has a checkbox for 'Discard old items' which is checked, with a 'Days to keep old items' field set to 1. The 'Health metrics' section has a 'Health metrics...' button. At the bottom, there are 'Save' and 'Apply' buttons.

- 4) Build the project and the file can be viewed on Nexus repository.

The image shows the Jenkins dashboard for the 'nexus' project. The top navigation bar includes the Jenkins logo, a search bar, and user information for 'Sarthak Jain'. The left sidebar contains links to 'Up', 'Status', 'Changes', 'Build Now', 'View Configuration', 'Full Stage View', 'Open Blue Ocean', 'GitHub', and 'Pipeline Syntax'. The main content area displays the 'Branch main' with the full project name 'nexus/main'. Below this is the 'Stage View' table, which shows the average stage times for the pipeline. The 'Permalinks' section lists the last build, last stable build, last successful build, and last completed build, all of which occurred 1 minute and 8 seconds ago.

Declarative: Checkout SCM	Build	Test	Clean	Deploy
4s	423ms	202ms	186ms	198ms
4s	423ms	202ms	186ms	198ms

Permalinks

- Last build (#1), 1 min 8 sec ago
- Last stable build (#1), 1 min 8 sec ago
- Last successful build (#1), 1 min 8 sec ago
- Last completed build (#1), 1 min 8 sec ago

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5) The repository is available on Nexus repo.

