

```

dharani@DharaniDharanPC:~$ git clone https://github.com/kannancloud001/spring-framework-petclinic.git
Cloning into 'spring-framework-petclinic'...
remote: Enumerating objects: 6698, done.
remote: Counting objects: 100% (1049/1049), done.
remote: Compressing objects: 100% (78/78), done.
remote: Total 6698 (delta 998), reused 971 (delta 971), pack-reused 5649 (from 1)
Receiving objects: 100% (6698/6698), 1.52 MiB | 2.30 MiB/s, done.
Resolving deltas: 100% (3326/3326), done.
dharani@DharaniDharanPC:~$ ls
capstone-deployment.yml  local.txt  main.tf  minikube-linux-amd64  snap  spring-framework-petclinic  terraform.tfstate  terraform.tfstate.backup
dharani@DharaniDharanPC:~$ cd spring-framework-petclinic
dharani@DharaniDharanPC:~/spring-framework-petclinic$ mvn -version

```

```

dharani@DharaniDharanPC:~/spring-framework-petclinic$ sudo apt install maven
[sudo] password for dharani:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libaopalliance-java libapache-pom-java libatinject-jsr330-api-java libcdi-api-java libcommons-cli-java libcommons-io-java libcommons-lang3-java
  libcommons-parent-java liberror-prone-java libgeronimo-annotation-1.3-spec-java libgeronimo-interceptor-3.0-spec-java libguava-java libguice-java
  libjansi-java libjsr305-java libmaven-parent-java libmaven-resolver-java libmaven-shared-utils-java libmaven3-core-java libplexus-cipher-java
  libplexus-classworlds-java libplexus-component-annotations-java libplexus-interpolation-java libplexus-sec-dispatcher-java libplexus-utils2-java
  libsisu-inject-java libsisu-plexus-java libslf4j-java libwagon-file-java libwagon-http-shaded-java libwagon-provider-api-java
Suggested packages:
  libatinject-jsr330-api-java-doc libel-api-java libcommons-io-java-doc libasm-java libcglib-java libjsr305-java-doc libmaven-shared-utils-java-doc
  liblogback-java libplexus-utils2-java-doc junit4 testng libcommons-logging-java liblog4j1.2-java
The following NEW packages will be installed:
  libaopalliance-java libapache-pom-java libatinject-jsr330-api-java libcdi-api-java libcommons-cli-java libcommons-io-java libcommons-lang3-java
  libcommons-parent-java liberror-prone-java libgeronimo-annotation-1.3-spec-java libgeronimo-interceptor-3.0-spec-java libguava-java libguice-java
  libjansi-java libjsr305-java libmaven-parent-java libmaven-resolver-java libmaven-shared-utils-java libmaven3-core-java libplexus-cipher-java
  libplexus-classworlds-java libplexus-component-annotations-java libplexus-interpolation-java libplexus-sec-dispatcher-java libplexus-utils2-java
  libsisu-inject-java libsisu-plexus-java libslf4j-java libwagon-file-java libwagon-http-shaded-java libwagon-provider-api-java maven
0 upgraded, 32 newly installed, 0 to remove and 56 not upgraded.
Need to get 18.1 MB of archives.
After this operation, 13.1 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu noble/universe amd64 libapache-pom-java all 29-2 [5284 B]
Get:2 http://archive.ubuntu.com/ubuntu noble/universe amd64 libatinject-jsr330-api-java all 1.0+ds1-5 [5348 B]
Get:3 http://archive.ubuntu.com/ubuntu noble/universe amd64 libgeronimo-interceptor-3.0-spec-java all 1.0.1-4fakesync [8616 B]
Get:4 http://archive.ubuntu.com/ubuntu noble/universe amd64 libcdi-api-java all 1.2-3 [54.3 kB]
Get:5 http://archive.ubuntu.com/ubuntu noble/universe amd64 libcommons-cli-java all 1.6.0-1 [59.9 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble/universe amd64 libcommons-parent-java all 56-1 [10.7 kB]
Get:7 http://archive.ubuntu.com/ubuntu noble/universe amd64 libcommons-io-java all 2.11.0-2 [297 kB]
Get:8 http://archive.ubuntu.com/ubuntu noble/universe amd64 libcommons-lang3-java all 3.14.0-1 [586 kB]
Get:9 http://archive.ubuntu.com/ubuntu noble/universe amd64 libjsr305-java all 0.1+svn49-11 [27.0 kB]
Get:10 http://archive.ubuntu.com/ubuntu noble/universe amd64 libguava-java all 32.0.1-1 [2692 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble/universe amd64 liberror-prone-java all 2.18.0-1 [22.5 kB]
Get:12 http://archive.ubuntu.com/ubuntu noble/universe amd64 libgeronimo-annotation-1.3-spec-java all 1.3-1 [11.2 kB]
Get:13 http://archive.ubuntu.com/ubuntu noble/universe amd64 libaopalliance-java all 20070526-7 [8166 B]
Get:14 http://archive.ubuntu.com/ubuntu noble/universe amd64 libguice-java all 4.2.3-2 [1434 kB]
Get:15 http://archive.ubuntu.com/ubuntu noble/universe amd64 libjansi-java all 2.4.1-2 [83.0 kB]
Get:16 http://archive.ubuntu.com/ubuntu noble/universe amd64 libmaven-parent-java all 35-1 [5810 B]
Get:17 http://archive.ubuntu.com/ubuntu noble/universe amd64 libplexus-utils2-java all 3.4.2-1 [256 kB]
Get:18 http://archive.ubuntu.com/ubuntu noble/universe amd64 libwagon-provider-api-java all 3.5.3-1 [47.9 kB]
Get:19 http://archive.ubuntu.com/ubuntu noble/universe amd64 libmaven-resolver-java all 1.6.3-1 [544 kB]
Get:20 http://archive.ubuntu.com/ubuntu noble/universe amd64 libmaven-shared-utils-java all 3.3.4-1 [137 kB]
Get:21 http://archive.ubuntu.com/ubuntu noble/universe amd64 libplexus-cipher-java all 2.0-1 [14.7 kB]
Get:22 http://archive.ubuntu.com/ubuntu noble/universe amd64 libplexus-classworlds-java all 2.7.0-1 [50.0 kB]
Get:23 http://archive.ubuntu.com/ubuntu noble/universe amd64 libplexus-component-annotations-java all 2.1.1-1 [6550 B]

```

```

Setting up libjansi-java (2.4.1-2) ...
Setting up libapache-pom-java (29-2) ...
Setting up libatinject-jsr330-api-java (1.0+ds1-5) ...
Setting up libplexus-interpolation-java (1.26-1) ...
Setting up libwagon-http-shaded-java (3.5.3-1) ...
Setting up libcdi-api-java (1.2-3) ...
Setting up libwagon-provider-api-java (3.5.3-1) ...
Setting up libmaven-parent-java (35-1) ...
Setting up libcommons-parent-java (56-1) ...
Setting up libsisu-inject-java (0.3.4-2) ...
Setting up libplexus-cipher-java (2.0-1) ...
Setting up libsisu-plexus-java (0.3.4-3) ...
Setting up libcommons-lang3-java (3.14.0-1) ...
Setting up libplexus-sec-dispatcher-java (2.0-3) ...
Setting up libwagon-file-java (3.5.3-1) ...
Setting up libcommons-io-java (2.11.0-2) ...
Setting up libmaven-resolver-java (1.6.3-1) ...
Setting up libmaven-shared-utils-java (3.3.4-1) ...
Setting up libguava-java (32.0.1-1) ...
Setting up liberror-prone-java (2.18.0-1) ...
Setting up libguice-java (4.2.3-2) ...
Setting up libmaven3-core-java (3.8.7-2) ...
Setting up maven (3.8.7-2) ...
update-alternatives: using /usr/share/maven/bin/mvn to provide /usr/bin/mvn (mvn) in auto mode
dharani@DharaniDharanPC:~/spring-framework-petclinic$ mvn -version
Apache Maven 3.8.7
Maven home: /usr/share/maven
Java version: 17.0.14, vendor: Ubuntu, runtime: /usr/lib/jvm/java-17-openjdk-amd64
Default locale: en, platform encoding: UTF-8
OS name: "linux", version: "5.15.167.4-microsoft-standard-WSL2", arch: "amd64", family: "unix"
dharani@DharaniDharanPC:~/spring-framework-petclinic$ docker images
REPOSITORY          TAG          IMAGE ID          CREATED          SIZE
dharanidharan29/java-maven   latest      45d4fa6ac562c    4 minutes ago   563MB
<none>                  <none>      50d57bf41d53     5 minutes ago   563MB
dharanidharan29/e-commerce   latest      40891e9951e1     43 hours ago    195MB
<none>                  <none>      d92ffdb649f8     46 hours ago    195MB
tomcat                  latest      88b0f1cee84c     2 weeks ago     519MB
nginx                   latest      53a18edff889     6 weeks ago     192MB
gcr.io/k8s-minikube/kicbase  v0.0.46    c72c1cbe9b29     2 months ago    1.31GB
registry.k8s.io/pause       3.10       873ed7510279     10 months ago   736kB
dharani@DharaniDharanPC:~/spring-framework-petclinic$ docker run -d -p 8090:8000 45d4fa6ac562c
2ec23efaf6dd76a58b1003da70fe93293b9df3b3c376fc113019585493d8868f
dharani@DharaniDharanPC:~/spring-framework-petclinic$ localhost:8090
localhost:8090: command not found
dharani@DharaniDharanPC:~/spring-framework-petclinic$ localhost:8080
localhost:8080: command not found
dharani@DharaniDharanPC:~/spring-framework-petclinic$

```

```
dharani@DharaniDharanPC: ~ - x + v
dharani@DharaniDharanPC:~/spring-framework-petclinic$ docker run -d -p 8091:8080 45dfa6ac562c
a9ec68fa44b37984dc9aa7106bb1a413dd99fb5a5349d4fb0a4ae10b85a09d6e
dharani@DharaniDharanPC:~/spring-framework-petclinic$ curl localhost:8091

qcewcwcdwcdw
<!doctype html>
<html>

<head>
  <meta http-equiv="Content-Type" content="text/html; charset=UTF-8"/>
  <meta charset="utf-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1">

  <link rel="shortcut icon" type="image/x-icon" href="/resources/images/favicon.png">

  <title>PetClinic :: a Spring Framework demonstration</title>

  <link href="/webjars/font-awesome/4.7.0/css/font-awesome.min.css" rel="stylesheet">
  <link href="/resources/css/petclinic.css" rel="stylesheet"/>

  <!--[if lt IE 9]>
  <script src="https://oss.maxcdn.com/html5shiv/3.7.2/html5shiv.min.js"></script>
  <script src="https://oss.maxcdn.com/respond/1.4.2/respond.min.js"></script>
  <![endif]-->

</head>
<body>

<nav class="navbar navbar-expand-lg navbar-dark" role="navigation">
  <div class="container-fluid">
```

```
dharani@DharaniDharanPC: ~ - x + v
  <a class="navbar-brand" href="/"><span></span></a>
  <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#main-navbar">
    <span class="navbar-toggler-icon"></span>
  </button>
  <div class="collapse navbar-collapse" id="main-navbar" style>
    <ul class="navbar-nav me-auto mb-2 mb-lg-0">

<li class="">
  <a class="nav-link" href="/"
    title="home page">
    <span class="fa fa-home"></span>

    <span>Home</span>

  </a>
</li>

<li class="">
  <a class="nav-link" href="/owners/find"
    title="find owners">
    <span class="fa fa-search"></span>

    <span>Find owners</span>

  </a>
</li>
```

```
dharani@DharaniDharanPC - x + v

<li class="">
  <a class="nav-link" href="/vets"
    title="veterinarians">
    <span class="fa fa-th-list"></span>

    <span>Veterinarians</span>

  </a>
</li>

<li class="">
  <a class="nav-link" href="/oups"
    title="trigger a RuntimeException to see how it is handled">
    <span class="fa exclamation-triangle"></span>

    <span>Error</span>

  </a>
</li>

</ul>
</div>
</nav>

<div class="container-fluid">
  <div class="container xd-container">

    <h2>???welcome Aranganathan 79998wdd???</h2>
    <div class="row">
      <div class="col-md-12">
        
      </div>
    </div>
  </div>
</div>
```

```
dharani@DharaniDharanPC - x + v

<li class="">
  <a class="nav-link" href="/oups"
    title="trigger a RuntimeException to see how it is handled">
    <span class="fa exclamation-triangle"></span>

    <span>Error</span>

  </a>
</li>

</ul>
</div>
</nav>

<div class="container-fluid">
  <div class="container xd-container">

    <h2>???welcome Aranganathan 79998wdd???</h2>
    <div class="row">
      <div class="col-md-12">
        
      </div>
    </div>
  </div>

<br/>
<br/>
<div class="container">
  <div class="row">
    <div class="col-12 text-center"></div>
  </div>
</div>
</div>
</div>

<script src="/webjars/bootstrap/5.3.2/js/bootstrap.bundle.min.js"></script>

</body>

</html>
dharani@DharaniDharanPC:~/spring-framework-petclinic$ |
```

Welcome to nginx x New Item [Jenkins] x +

localhost:8080/view/all/newJob

Jenkins






Dashboard > All > New Item

New Item

Enter an item name

java-maven

Select an item type

-  **Freestyle project**
Classic, general-purpose job type that checks out from up to one SCM, executes build steps serially, followed by post-build steps like archiving artifacts and sending email notifications.
-  **Pipeline**
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
-  **Multi-configuration project**
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.
-  **Folder**
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a separate namespace, so you can have multiple things of the same name as long as they are in different folders.
-  **Multibranch Pipeline**
Creates a set of Pipeline projects according to detected branches in one SCM repository.

OK

Welcome to nginx x java-maven [Jenkins] x Docker Hub x localhost x +

localhost:8080/job/java-maven/

Jenkins

Dashboard > java-maven >

Status

</> Changes

▶ Build Now

⚙️ Configure

🗑️ Delete Pipeline

📁 Stages

✎ Rename

🔍 Pipeline Syntax

✓ java-maven

Add description

Permalinks

- Last build (#6), 20 min ago
- Last stable build (#6), 20 min ago
- Last successful build (#6), 20 min ago
- Last failed build (#2), 34 min ago
- Last unsuccessful build (#3), 24 min ago
- Last completed build (#6), 20 min ago

Builds

Filter

Today

✓ #6	9:16 AM	▼
✓ #5	9:15 AM	▼
✓ #4	9:14 AM	▼
✓ #3	9:12 AM	▼
✗ #2	9:02 AM	▼
✗ #1	8:59 AM	▼

Dashboard > java-maven > Configuration

Configure

General

Triggers

Pipeline

Advanced

Define your Pipeline using Groovy directly or pull it from source control.

Definition

Pipeline script

Script ?

```
1 pipeline {
2   agent any
3
4
5   stages{
6     stage('Build Maven'){
7       steps{
8         checkout scmGit(branches: [[name: '*/main']], extensions: [], userRemoteConfigs: [[url: 'https://github.com/karandharanidharan29/java-maven']]
9       }
10    }
11    stage('Build and Test') {
12      steps {
13        script {
14          sh 'mvn clean package'
15        }
16      }
17    }
18    stage('Build docker image'){
19      steps{
20        script{
21          sh 'docker build -t dharanidharan29/java-maven .'
22        }
23      }
24    }
25  }
26 }
27
28 }
```

☒ Use Groovy Sandbox ?

Save

Apply