



First Build Job in Jenkins

1. Now again you are going to build a job, but this time around you are going to use the source code from GitHub.
2. First delete your first job, just click on delete project it will delete the project in an instance.
3. Now again click on create a job.

Welcome to Jenkins!

This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.

Start building your software project

Create a job

+

Set up a distributed build

Set up an agent



Configure a cloud



Learn more about distributed builds



4. Again, the same thing give it a name and select freestyle project. Then click on OK.

Enter an item name

firstbuild
» Required field

Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

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

5. Again, give it a description but this time select JDK 11 as your environment.

Description

This will be your first build job.

Plain text [Preview](#)

Discard old builds ?

GitHub project

This project is parameterized ?

Throttle builds ?

Execute concurrent builds if necessary ?

JDK

JDK to be used for this project

OracleJDK11

6. Now in the source code management select Git and give the URL of the repository which is available on the GitHub. So, this repository is public and can be used by everyone which is why no credentials are needed for it.

<https://github.com/hkhcoder/vprofile-project>

Source Code Management

None

Git [?](#)

Repositories [?](#)

Repository URL [?](#) ✖

`https://github.com/hkhcoder/vprofile-project.git`

Credentials [?](#)

- none - ▼

[+ Add ▾](#)



7. Now here in the branches to build you need to write */main here.

Branches to build [?](#)

Branch Specifier (blank for 'any') [?](#) ✖

`*/main`



8. Onto your last step which is the build step.
9. Here you need to select Invoke top level Maven targets.
10. And select MAVEN3 as your Maven version.
11. In the goals write clean Install.
12. Then save your job.

Build Steps

Invoke top-level Maven targets [?](#) ✖

Maven Version

MAVEN3 ▼

Goals

clean install ▼

[Advanced ▾](#)



13. Now you need to click on Build Now. And in some time, you will see that your job has been created.

The screenshot shows the Jenkins Build History page. At the top left is a sun icon followed by the text "Build History". To the right is a "trend" dropdown menu with a downward arrow. Below this is a search bar with a magnifying glass icon and the placeholder text "Filter builds...". To the right of the search bar is a slash character inside a rounded rectangle. Underneath the search bar, there is a list item with a green checkmark and the text "#1". To the right of this is the date and time "19-Feb-2024, 7:06 PM". Below this list item are two links: "Atom feed for all" and "Atom feed for failures", each preceded by a feed icon.

14. Now if you go and open the job and look at the console output you will see that it is very long. But if you will scroll down you can see that it has been executed successfully.

```
[INFO] -----  
[INFO] BUILD SUCCESS  
[INFO] -----  
[INFO] Total time: 28.193 s  
[INFO] Finished at: 2024-02-19T19:07:33Z  
[INFO] -----  
Finished: SUCCESS
```

15. Now come back and click on Workspace. Here you will see the source code and the target folder and many more things.

The screenshot shows the Jenkins workspace for the "firstbuild" job. On the left is a sidebar with several options: "Status", "Changes", "Workspace" (which is highlighted with a grey background), "Wipe Out Current Workspace", "Build Now", "Configure", "Delete Project", and "Rename". To the right is the main workspace area with the title "Workspace of firstbuild on Built-In Node". Inside the workspace, there is a directory tree under the "firstbuild" root. The tree includes ".git", "ansible", "src", "target", and "vagrant". Below these are three files: "Jenkinsfile" (19-Feb-2024, 7:07:00 PM, 3.84 KB), "pom.xml" (19-Feb-2024, 7:07:00 PM, 7.14 KB), and "README.md" (19-Feb-2024, 7:07:00 PM, 414 B). At the bottom right of the workspace area is a link "↓(all files in zip)".