

## Building a pipeline between 2 projects: Dev Compile & Dev Test

First created a **Dev Compile** project with a goal to **compile** the project

The screenshot shows the Jenkins configuration page for a project named 'Dev Compile'. The breadcrumb navigation at the top reads 'Dashboard > Dev Compile > Configuration'. On the left, the 'Configure' sidebar has several options: 'General', 'Source Code Management' (which is selected and highlighted), 'Build Triggers', 'Build Environment', 'Build Steps', and 'Post-build Actions'. The main content area is titled 'Source Code Management' and contains two radio buttons: 'None' and 'Git'. The 'Git' option is selected. Below this, there is a 'Repositories' section with a dashed border. Inside, there is a 'Repository URL' field containing 'https://github.com/02Poonam/private-repo.git', a 'Credentials' dropdown menu showing 'poonam/\*\*\*\*\*', and an '+ Add' button. There is also an 'Advanced' dropdown menu. At the bottom of the configuration area are 'Save' and 'Apply' buttons.

Added credentials for pulling a private git repo.

This screenshot shows the 'Build Steps' tab in the Jenkins configuration page for the 'Dev Compile' project. The breadcrumb navigation remains 'Dashboard > Dev Compile > Configuration'. In the left sidebar, 'Build Steps' is now selected and highlighted. The main content area is titled 'Build Steps' and features a checkbox labeled 'With Ant' which is currently unchecked. Below this, there is a dashed box containing a build step configuration. The step is named 'Invoke top-level Maven targets'. It has a 'Maven Version' dropdown set to 'Maven-3.9.0' and a 'Goals' dropdown set to 'compile'. An 'Advanced' dropdown is also visible. Below the dashed box is an 'Add build step' button. At the bottom of the page are 'Save' and 'Apply' buttons.

Added the Maven version and goal **compile** and to build steps

Then created a **Dev Test** project with a goal to **test** the project

Dashboard > Dev Test > Configuration

### Configure

- General
- Source Code Management**
- Build Triggers
- Build Environment
- Build Steps
- Post-build Actions

#### Source Code Management

☐ None

☒ Git ?

Repositories ?

Repository URL ?

https://github.com/02Poonam/private-repo.git

Credentials ?

poonam/\*\*\*\*\*

+ Add

Advanced

Save Apply

Enter credentials for the same private git repo

Dashboard > Dev Test > Configuration

### Configure

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps**
- Post-build Actions

#### Build Steps

Invoke top-level Maven targets ?

Maven Version

Maven-3.9.0

Goals

test

Advanced

Add build step

#### Post-build Actions

Save Apply

Added the Maven version and goal test and to build steps

Now again configure the **Dev Compile** project and add the **Post Build Actions** -> Select **Build other projects** -> Select **Dev Test**

Dashboard > Dev Compile > Configuration

Configure

General

Source Code Management

Build Triggers

Build Environment

Build Steps

Post-build Actions

Add build step

Post-build Actions

Build other projects

Projects to build

Dev Test

Trigger only if build is stable

Trigger even if the build is unstable

Trigger even if the build fails

Add post-build action

Save

Apply

# Console Output of Dev Compile

 **Jenkins**

Search (CTRL+K) ?

 1  2 Poonam Mahesh Bhavsar log out

Dashboard > Dev Compile > #4 > Console Output

- Status
- Changes
- Console Output**
- View as plain text
- Edit Build Information
- Delete build '#4'
- Timings
- Git Build Data
- Previous Build

✓ Console Output

```
Started by user Poonam Mahesh Bhavsar
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Dev Compile
The recommended git tool is: NONE
using credential poonam02
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Dev Compile/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/02Poonam/private-repo.git # timeout=10
Fetching upstream changes from https://github.com/02Poonam/private-repo.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_ASKPASS to set credentials
> git fetch --tags --force --progress -- https://github.com/02Poonam/private-repo.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 9e1130527c65e1438e1e835b40000ef1800db6d1 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 9e1130527c65e1438e1e835b40000ef1800db6d1 # timeout=10
Commit message: "Create new-codeql.yml"
> git rev-list --no-walk 9e1130527c65e1438e1e835b40000ef1800db6d1 # timeout=10
```

Dashboard > Dev Compile > #4 > Console Output

```
[WARNING]
[WARNING] It is highly recommended to fix these problems because they threaten the stability of your
build.
[WARNING]
[WARNING] For this reason, future Maven versions might no longer support building such malformed projects.
[WARNING]
[INFO]
[INFO] -----< com.edurekademo.tutorial:addressbook >-----
[INFO] Building Vaadin Addressbook example 2.0
[INFO] from pom.xml
[INFO] -----[ war ]-----
[INFO]
[INFO] --- enforcer:1.0:enforce (enforce-versions) @ addressbook ---
[INFO]
[INFO] --- resources:3.3.0:resources (default-resources) @ addressbook ---
[INFO] skip non existing resourceDirectory /var/lib/jenkins/workspace/Dev Compile/src/main/resources
[INFO]
[INFO] --- compiler:3.2:compile (default-compile) @ addressbook ---
[INFO] Nothing to compile - all classes are up to date
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 0.930 s
[INFO] Finished at: 2024-07-24T13:43:06+05:30
[INFO] -----
Triggering a new build of Dev Test
Finished: SUCCESS
```

## Console output of Dev Test

 **Jenkins**

Search (CTRL+K)

   Poonam Mahesh Bhavsar  log out

Dashboard > Dev Test > #3 > Console Output

Status

Changes

Console Output

View as plain text

Edit Build Information

Delete build '#3'

Timings

Git Build Data

Previous Build

### Console Output

```
Started by upstream project "Dev Compile" build number 4
originally caused by:
  Started by user Poonam Mahesh Bhavsar
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/Dev Test
The recommended git tool is: NONE
using credential poonam02
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/Dev Test/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/02Poonam/private-repo.git # timeout=10
Fetching upstream changes from https://github.com/02Poonam/private-repo.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_ASKPASS to set credentials
> git fetch --tags --force --progress -- https://github.com/02Poonam/private-repo.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision 9e1130527c65e1438e1e835b40000ef1800db6d1 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 9e1130527c65e1438e1e835b40000ef1800db6d1 # timeout=10
```

Dashboard > Dev Test > #3 > Console Output

```
Cause: at com.edurekaademo.utilities.ExceptionThrower.doXXX(ExceptionThrower.java:32)
Cause: at com.edurekaademo.utilities.ExceptionThrower.doXXX(ExceptionThrower.java:23)
[pool-1-thread-9] INFO com.edurekaademo.utilities.TestLogger - java.lang.Exception: TEST MESSAGE
Cause: at com.edurekaademo.utilities.ExceptionThrower.doCheck(ExceptionThrower.java:43)
Cause: at com.edurekaademo.utilities.TestLogger.testGetErrorMessage5(TestLogger.java:75)
***** java.lang.Exception: TEST MESSAGE
Cause: at com.edurekaademo.utilities.ExceptionThrower.doCheck(ExceptionThrower.java:43)
Cause: at com.edurekaademo.utilities.TestLogger.testGetErrorMessage5(TestLogger.java:75)
Tests run: 5, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.019 sec - in
com.edurekaademo.utilities.TestLogger
Running com.edurekaademo.utilities.TestGenericComparator
Tests run: 14, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.013 sec - in
com.edurekaademo.utilities.TestGenericComparator

Results :

Tests run: 23, Failures: 0, Errors: 0, Skipped: 0

[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 1.636 s
[INFO] Finished at: 2024-07-24T13:43:20+05:30
[INFO] -----
Finished: SUCCESS
```