

Pipeline:

To make a pipeline we need to ensure that the projects are connected to each other.

In our case as of now the projects are not interlinked. So we need to connect the projects .

The screenshot shows the Jenkins Dashboard at localhost:8080. A sequence of four jobs is highlighted with pink circles and arrows, labeled 1 through 4. The jobs are: 1. code-compile, 2. code-ga, 3. code-testing, and 4. package. A handwritten pink arrow points to the sequence with the label 'linked projects'.

	S	W	Name ↓	Last Success	Last Failure	Last Duration	
1	✓	☀	code-compile	12 sec #2	N/A	4.5 sec	▶
3	✓	☀	code-ga	33 min #2	N/A	6.4 sec	▶
2	✓	☀	code-testing	1 hr 10 min #2	N/A	5 sec	▶
4	✓	☀	package	10 min #1	N/A	7.8 sec	▶

We will use the concept of **linked projects**

Lets say we have job1 , job2 , job3 , job4

Now either we can tell job1 that after u are done you have to tell job2 to get executed. And tell job2 that after you are done u have to tell job3 to get executed

Or else

We can tell job2 to keep looking at job1 as soon it is done you need to start ...you can tell job3 that after job2 is done u need to start

localhost:8080

Dashboard >

- Manage Jenkins
- My Views
- Lockable Resources

**Build Queue**

No builds in the queue.

**Build Executor Status**

1 Idle

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☀	code-compile	12 sec #2	N/A	4.5 sec
✓	☀	code-qa	33 min #2	N/A	6.4 sec
✓	☀	code-testing	1 hr 10 min #2	N/A	5 sec
✓	☀	package	10 min #1	N/A	7.8 sec

localhost:8080/job/code-compile/

Jenkins

Search (CTRL+K)

admin

Dashboard > code-compile >

**Status**

- Changes
- Workspace
- Build Now
- Configure**
- Delete Project

**Project code-compile**

**Permalinks**

- Last build (#2), 5 min 22 sec ago
- Last stable build (#2), 5 min 22 sec ago

code-compile Config Jenkins

localhost:8080/job/code-compile/configure

Dashboard > code-compile > Configure

**Configure**

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

Aggregate downstream test results

Archive the artifacts

**Build other projects**

Discover reference build

Mine SCM repository

Publish JUnit test result report

Record compiler warnings and static analysis results

Record fingerprints of files to track usage

Git Publisher

E-mail Notification

**Add post-build action**

Save Apply

localhost:8080/job/code-compile/configure

Dashboard > code-compile > Configuration

### Configure

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

**Build other projects** ?  
Projects to build  

code-testing,

No such project 'code'. Did you mean 'code-qa'?

☒ Trigger only if build is stable  
☐ Trigger even if the build is unstable  
☐ Trigger even if the build fails

*Here you will put next job which you will put after code compile*

Save

Dashboard >

- Manage Jenkins
- My Views
- Lockable Resources

**Build Queue** ▾  
No builds in the queue.

**Build Executor Status** ▾  
1 Idle

S	W	Name ↓	Last Success	Last Failure	Last Duration	#	Is
✓	☀	code-compile ▾	10 sec #3 ▾	N/A	4 sec	▶	-
✓	☀	code-qa ▾	41 min #2 ▾	N/A	6.4 sec	▶	1
✓	☀	<b>code-testing ▾</b>	1 hr 18 min #2 ▾	N/A	5 sec	▶	-
✓	☀	package ▾	19 min #1 ▾	N/A	7.8 sec	▶	-

Dashboard > code-testing >

**Status**  

- Changes
- Workspace
- Build Now
- Configure**
- Delete Project
- Rename

## Project code-testing

### Upstream Projects

✓ code-compile ▾

### Permalinks

code-testing Config [Jenkin x] +

localhost:8080/job/code-testing/configure

Dashboard > code-testing > Configur

## Configure

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

Aggregate downstream test results

Archive the artifacts

**Build other projects**

Discover reference build

Mine SCM repository

Publish JUnit test result report

Record compiler warnings and static analysis results

Record fingerprints of files to track usage

Git Publisher

E-mail Notification

Editable Email Notification

Add post-build action

Save Apply

### Build other projects ?

Projects to build

code-qa, |

! No such project 'code'. Did you mean 'code-qa'?

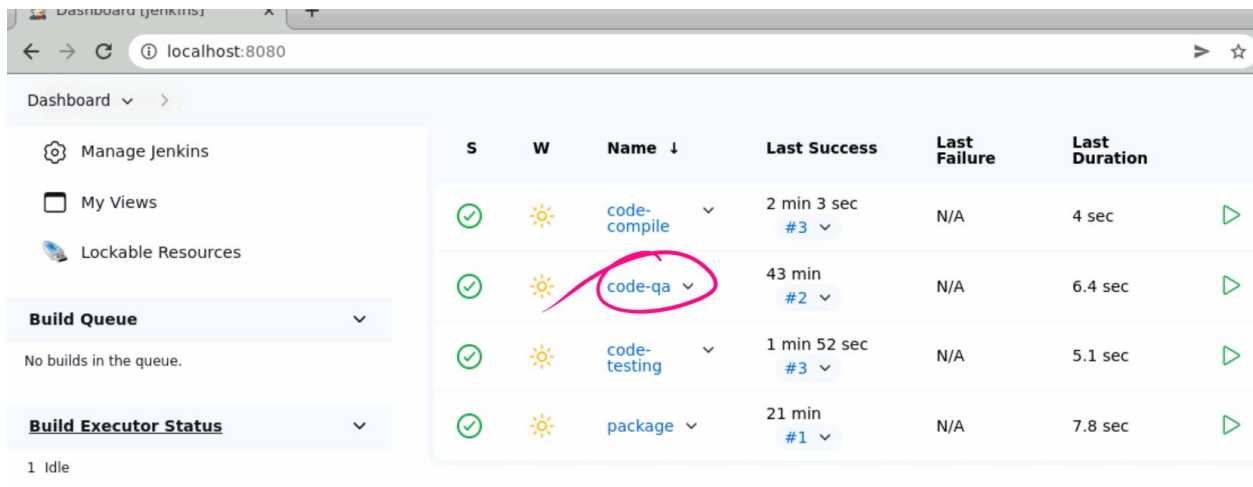
Trigger only if build is stable

Trigger even if the build is unstable

Trigger even if the build fails

Add post-build action

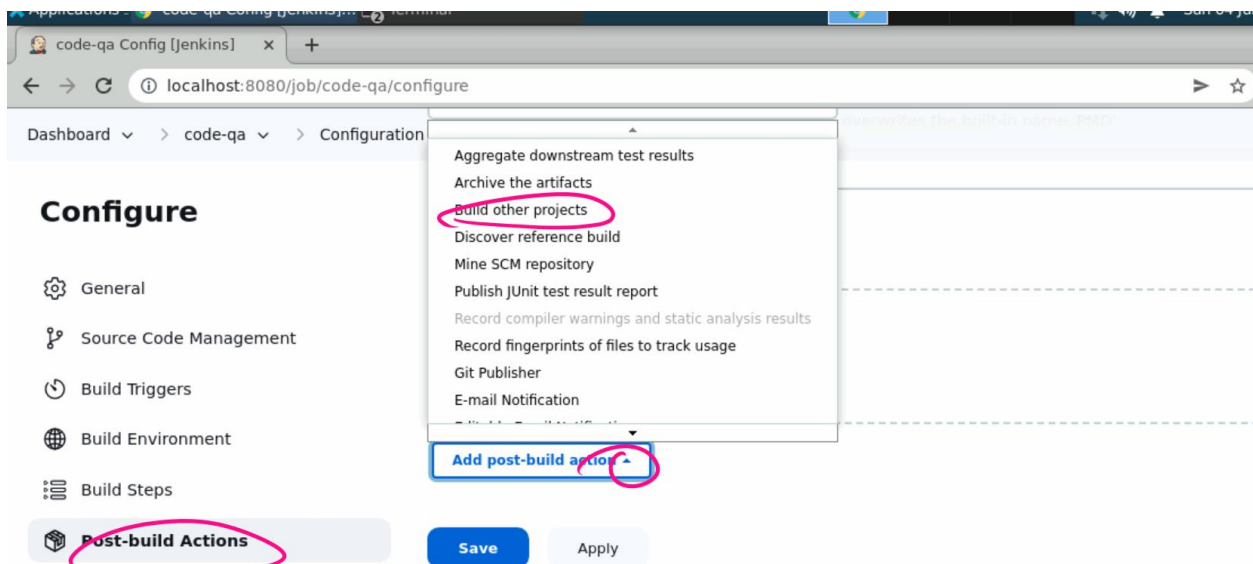
Save



The screenshot shows the Jenkins Dashboard at localhost:8080. On the left, there are links for 'Manage Jenkins', 'My Views', and 'Lockable Resources'. Below these are sections for 'Build Queue' (showing 'No builds in the queue.') and 'Build Executor Status' (showing '1 Idle'). The main part of the dashboard is a table of running builds.

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☀	code-compile	2 min 3 sec #3	N/A	4 sec
✓	☀	code-qa	43 min #2	N/A	6.4 sec
✓	☀	code-testing	1 min 52 sec #3	N/A	5.1 sec
✓	☀	package	21 min #1	N/A	7.8 sec

## Configure



The screenshot shows the 'code-qa' configuration page in Jenkins at localhost:8080/job/code-qa/configure. The left sidebar has a menu with 'General', 'Source Code Management', 'Build Triggers', 'Build Environment', 'Build Steps', and 'Post-build Actions'. The 'Post-build Actions' section is selected and circled in pink. A dropdown menu is open, showing various post-build actions. 'Build other projects' is circled in pink. At the bottom of the dropdown, the 'Add post-build action' link is also circled in pink. The main content area is currently empty.

**Configure**

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

- Aggregate downstream test results
- Archive the artifacts
- Build other projects**
- Discover reference build
- Mine SCM repository
- Publish JUnit test result report
- Record compiler warnings and static analysis results
- Record fingerprints of files to track usage
- Git Publisher
- E-mail Notification

**Add post-build action**

**Save** **Apply**

## Configure

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

### Build other projects ?

Projects to build

package,

**!** No such project 'pac'. Did you mean 'package'?

- ☒ Trigger only if build is stable
- ☐ Trigger even if the build is unstable
- ☐ Trigger even if the build fails

Save

Now if you will build the code compile after the build is done it will build code testing -> code qa and then package