

# Experiment 6

## Job Chaining in Jenkins

### Aim

To understand and practice job chaining in Jenkins.

#### 1. Create a Maven Project pipeline JOB1

✓	☀	JOB1	3 days 3 hr #7	N/A	6.8 sec	▶
---	---	------	----------------	-----	---------	---

#### 2. Create another pipeline JOB2

##### a. Choose Configure > Build other projects

Post-build Actions

Build other projects ?

Projects to build

JOB1

☒ Trigger only if build is stable

☐ Trigger even if the build is unstable

☐ Trigger even if the build fails

Add post-build action ▾

##### b. Previous job is now showing as Upstream Project in the new job

▶ Build Now

⚙ Configure

🗑 Delete Maven project

📄 Modules

Upstream Projects

✓ E6J1

Permalinks

#### 2. Test the chain by building the first pipeline

✓	☀	JOB1	3 days 4 hr #7	N/A	6.8 sec	▶
✓	☁	JOB2	3 days 4 hr #6	3 days 4 hr #2	6.6 sec	▶
✓	☀	JOB3	3 days 4 hr #2	N/A	6.8 sec	▶
✓	☀	JOB4	3 days 4 hr #1	N/A	6.8 sec	▶

Test passed

Atom feed for all

Atom feed for failures

Atom feed for last instant builds

#### 3. Create 1 more pipelines JOB3, creating a longer and branched chain

4. Test the complete pipeline chain by running JOB1

Build other projects ?

Projects to build

JOB1, JOB2, JOB3

☒ Trigger only if build is stable

☐ Trigger even if the build is unstable

☐ Trigger even if the build fails

Add post-build action

		JOB1	3 days 4 hr	#7	N/A	6.8 sec	
		JOB2	3 days 4 hr	#6	3 days 4 hr	6.6 sec	
		JOB3	3 days 4 hr	#2	N/A	6.8 sec	
		JOB4	3 days 4 hr	#1	N/A	6.8 sec	

test passed

Atom feed for all

Atom feed for failures

Atom feed for last latest builds

5. Checking logs

a. JOB1 triggered JOB2 once it succeeded

```
DevOps.B3.Jenkins/DevOps.B3.Jenkins/0.0.1-SNAPSHOT/DevOps.B3.Jenkins-0.0.1-SNAPSHOT.jar
channel stopped
Triggering a new build of E6J3
Finished: SUCCESS
```