Experiment 6

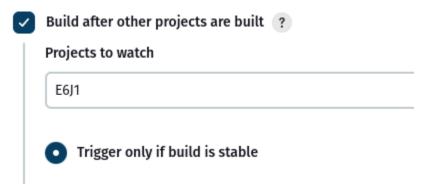
Job Chaining in Jenkins

Aim

To understand and practice job chaining in Jenkins.

Steps

- 1. Create a Maven Project pipeline E6J1
- 2. Create another pipeline E6J2
 - a. Choose Build Triggers > Build after other projects are built



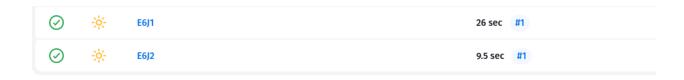
 Previous job is now showing as Upstream Project in the new job

Upstream Projects



Permalinks

3. Test the chain by building the first pipeline



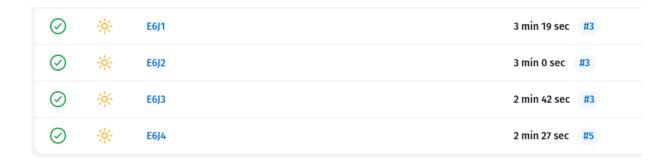
- 4. Create 2 more pipelines E6J3 and E6J4, creating a longer and branched chain
 - a. Add E6J1, E6J2 as upstream in E6J3



b. Add E6J1, E6J2 and E6J3 as upstream in E6J4



4. Test the complete pipeline chain by running E6J1



- 5. Checking logs
- a. E6J1 triggered other pipelines once it succeeded

```
[JENKINS] Archiving /var/lib/jenkins/w
channel stopped
Triggering a new build of E6J4
Triggering a new build of E6J3
Triggering a new build of E6J2
Finished: SUCCESS
```

- b. Similarly others were also triggered
- i. E6J2 logs

```
[JENKINS] Archiving /var/lib/jenkins/w
[JENKINS] Archiving /var/lib/jenkins/w
channel stopped
Triggering a new build of E6J4
Triggering a new build of E6J3
Finished: SUCCESS
```

ii. E6J3 logs

Waiting for Jenkins to finish collectin
[JENKINS] Archiving /var/lib/jenkins/wo
[JENKINS] Archiving /var/lib/jenkins/wo
channel stopped
Triggering a new build of E6J4
Finished: SUCCESS

iii. E6J4 logs

[INFO] FINISHED AL: 2023-10-20120:39:37
[INFO] ------Waiting for Jenkins to finish collectin
[JENKINS] Archiving /var/lib/jenkins/wo
[JENKINS] Archiving /var/lib/jenkins/wo
channel stopped
Finished: SUCCESS

CICD-LAB-1 (automated-trigger-build) 3 days 16 hr 3 days 18 hr #1 7.5 sec CICD-LAB-2 (#6^{OBJ} JENKINSFILE) [BB] N/A 31 min #6 6.2 sec CICD-LAB-5 (jojo) 🕮 28 min #3 N/A 14 sec CICD-LAB-5 (stiffler) 32 min #2083 N/A 32 sec 8 min 39 sec #3^{®®} N/A 5.6 sec E6J2 (3) 8 E6J1 (OBJ) min 21 sec #3 N/A 5.9 sec E6J3 8 min 2 sec #3 OBJ N/A 8.2 sec E6J4 CICD-LAB-1

(automated-trigger-build) 3 days 16 hr #6 3 days 18 hr #1[0BJ] 7.5 sec CICD-LAB-2 (JENKINSFILE) N/A 31 min #6 CICD-LAB-5 (jojo) [68] 6.2 sec 28 min CICD-LAB-5 (stiffler) 32 min #3^[OBJ] N/A 14 sec N/A 32 sec E6J1 3 8 min 39 sec #3 N/A #2^{OBJ} E6J2 8 min 21 sec #3 N/A 5.9 sec 5.6 sec E6J3 🖼 8 min 2 sec #3^{OBJ} N/A 8.2 sec E6J4