Experiment 6 Job Chaining in Jenkins

Aim

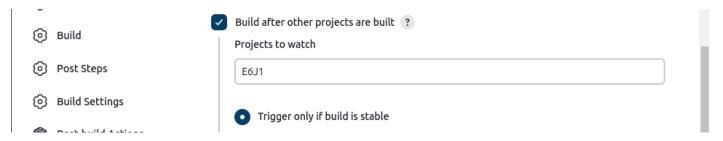
To understand and practice job chaining in Jenkins.

Steps

1. Create a Maven Project pipeline E6J1



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



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



3. Test the chain by building the first pipeline



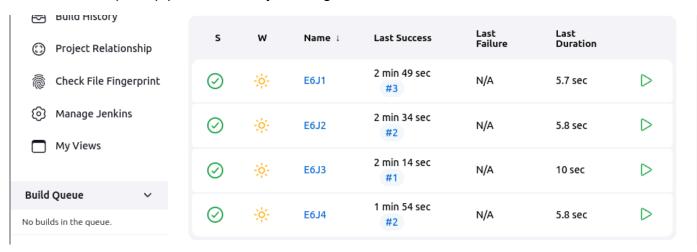
- 3. Create 2 more pipelines E6J3 and E6J4, creating a longer and branched chain
 - a. Add E6J2 as upstream in E6J3



b. Add E6J2 and E6J3 as upstream in E6J4

| Build Now | Upstream Projects |
|----------------------|--------------------------|
| © Configure | |
| Delete Maven project | |

4. Test the complete pipeline chain by running E6J1



5. Checking logs

a. E6J1 triggered E6J2 once it succeeded

```
ToolsQA/exp1-jenkins/1.0-SNAPSHOT/exp1-jenkins-1.0-SNAPSHOT.jar
channel stopped
Triggering a new build of E6J2
Finished: SUCCESS
```

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



ii. E6J3 logs

Console Output

View as plain text

[7] Edit Build Information

```
Started by upstream project "E6J2" build number 2 originally caused by:
Started by upstream project "E6J1" build number 3 originally caused by:
Started by user Ayush Singh Kushwah >
```

```
SNAPSHOT.jar to DevOps/CICD-EXP3/1.0-SNAPSHOT/CICD-EXP3-1.0-SNAPSHOT.jar channel stopped
Triggering a new build of E6J4
Finished: SUCCESS
```

iii. E6J4 logs

№ Console Output

Yiew as plain text

[Edit Build Information

M Delete huild '#2'

```
Started by upstream project "E6J3" build number 1
originally caused by:
Started by upstream project "E6J2" build number 2
originally caused by:
Started by upstream project "E6J1" build number 3
originally caused by:
Started by user Ayush Singh Kushwah
```

```
[JENKINS] Archiving /var/jenkins_home/workspace/E6J4/target/my-calculator.jar to DevOps/exp2-jenkins/1.0-SNAPSHOT/exp2-jenkins-1.0-SNAPSHOT.jar channel stopped Finished: SUCCESS
```

6. Cleaning up the jobs

22 People

Build History

Project Relationship

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.