Upstream and Downstream jobs

Once we’ve been working with Jenkins, we may find ourself in a situation where we have several jobs that need to run in a specific order for example:

Job1 and Job 3 can run simultaneously

But Job2 should only start when job1 and job3 have finished running

And job4 should only start when job2 has finished

This is where upstream and downstream the jobs in Jenkins

Upstream and Downstream jobs

1. Open aws console and select Jenkins’s server instance
2. Copy the public ip and paste in the browser like <public ip>:8080
3. Enter username and password
4. Click on new item and enter job name and select

Freestyle and click on ok

1. Enter job description in description area
2. Click on build tab and click on build step drop down
3. Select execute shell option
4. Enter the code in command text area like below:

#!/bin/sh

Echo “first job”

1. Click on apply save
2. Click on back to dashboard
3. Repeat above steps from 4 to 10 for 3 times
4. Now select configure option in job 1 drop down
5. Click on post build actions tab and select build other projects option in add post build actions drop down
6. Enter job3 name in projects to build text field
7. Click on apply and save
8. Click on back to dashboard
9. Now select configure option in job3 drop down
10. Click on post build action tab and select build other

Projects option in add post build action drop down

1. Enter job2 name in project to build text field
2. Click on apply and save
3. Click on back to dashboard
4. Now open job1 and click on build now
5. We will observe that after job 1 success job3 and job2 automatically run