



**Academic Year: 2025-26**

**Class / Branch: TEIT**

**Subject: DevOps Lab**

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**Name: Shravani Sawant**

**Moodle iD: 24204018**

**Roll No: 17**

### Experiment No. 4

**Aim: To install Jenkins and configure parallel jobs for building pipeline.**

Execute shell ?

Command

See [the list of available environment variables](#)

```
n=10  
a=0  
b=1
```

Advanced ▾


Add build step ▾

Save Apply




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 **Jenkins**

Dashboard > New view

+ New Item

 Build History

 Manage Jenkins

 My Views

Build Queue

No builds in the queue.

Build Executor Status

(0 of 2 executors busy)

### New view

Name

Continuous Delivery

Type

☒ Build Pipeline View

Shows the jobs in a build pipeline propagates through are shown

☐ List View

Shows items in a simple list for which view.

☐ My View

This view automatically display

Create

## Pipeline Flow

### Layout


Based on upstream/downstream relationship

This layout mode derives the pipeline structure based on the jobs. This is the only out-of-the-box supported layout mode.

### Upstream / downstream config


Select Initial Job ?


Test


 **Jenkins**


Dashboard > Continuous Delivery >


### Build Pipeline


 Run


 History

 Configure

 Add Step

 Delete

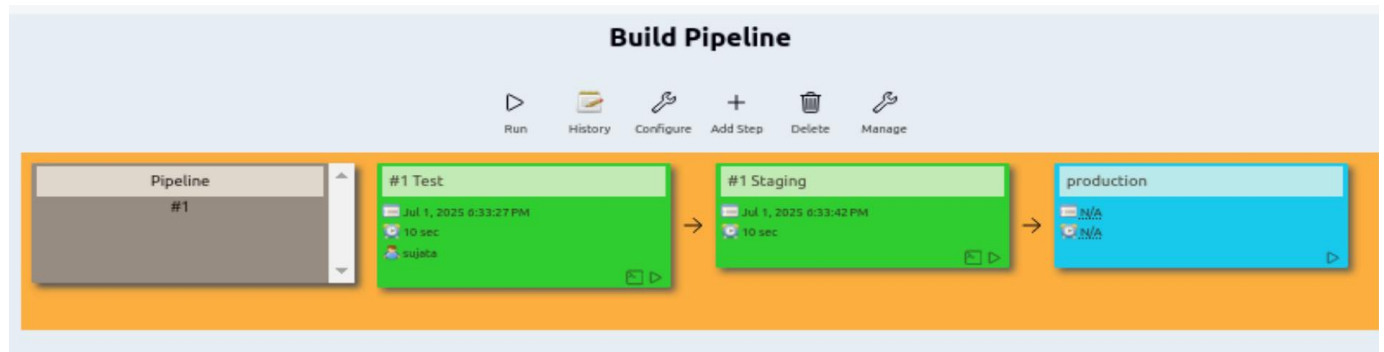
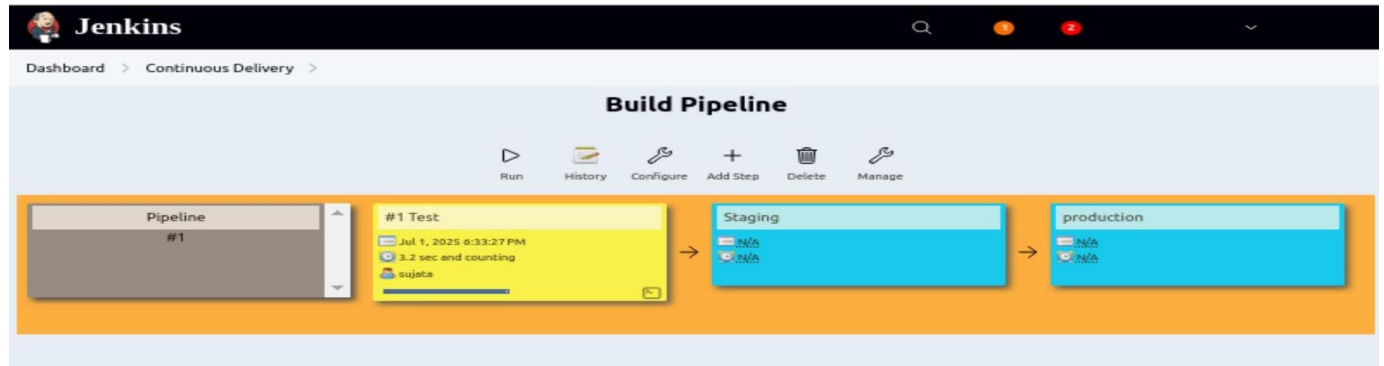
 Manage



This view has no jobs associated with it.  
You can either add some existing jobs to this view or create a new job in this view.

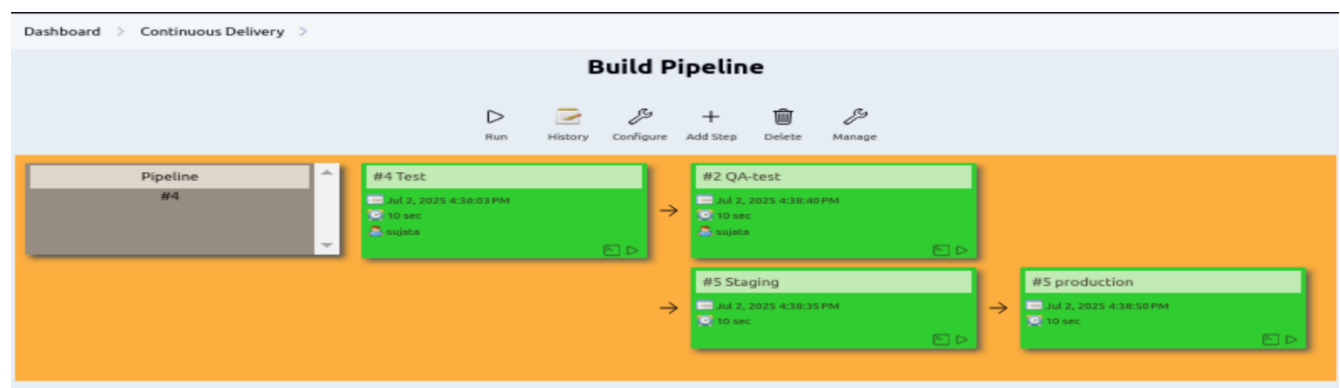
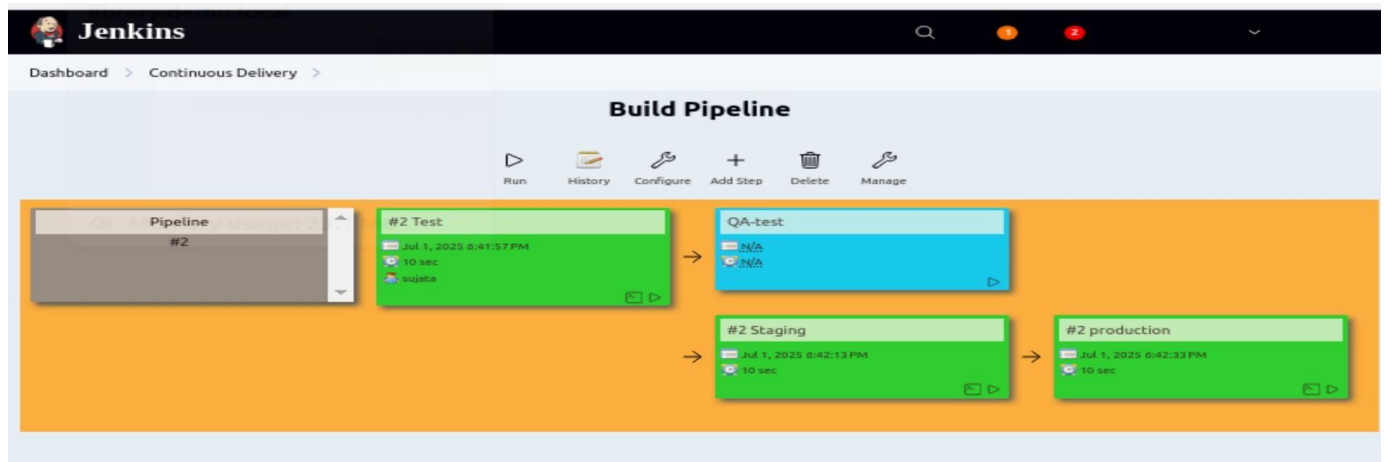
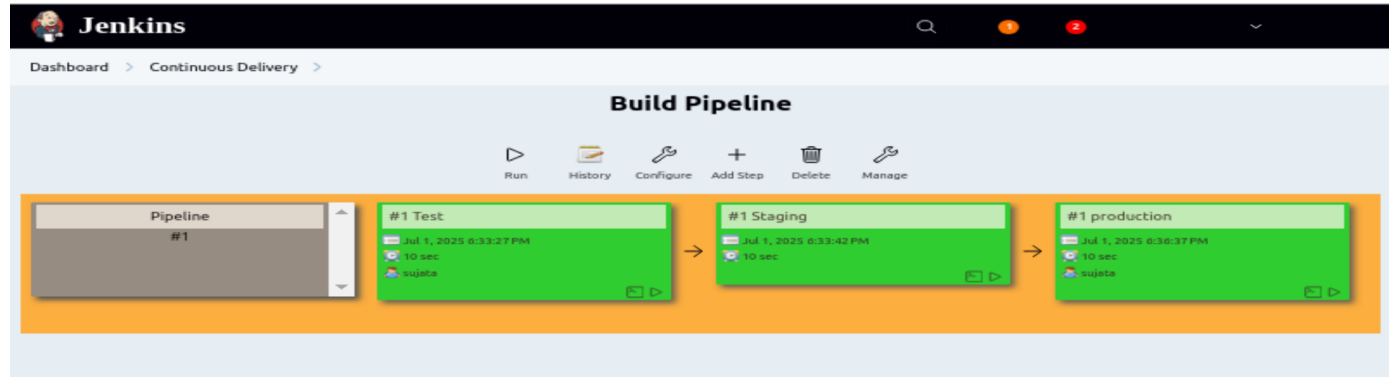


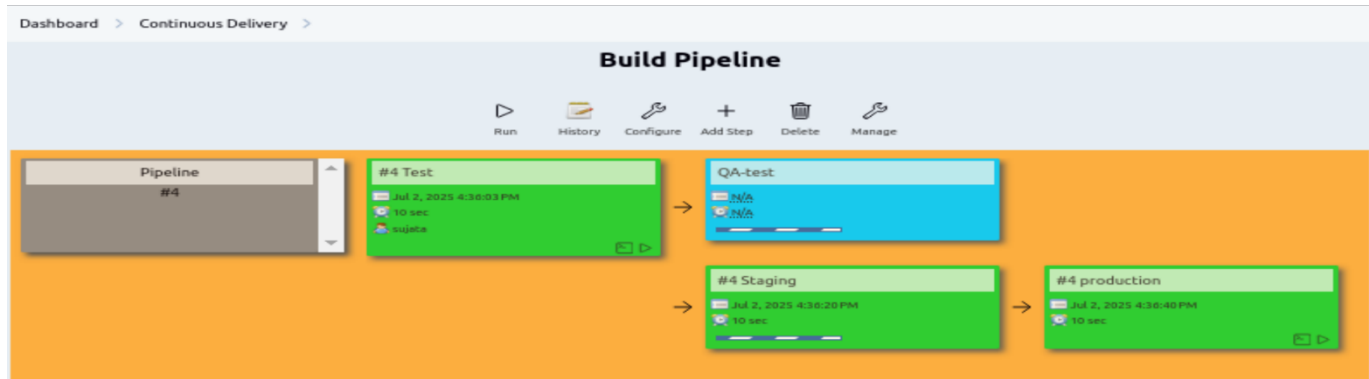
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### Conclusion:

In this experiment we successfully learned installing jenkins and setting up parallel jobs in a pipeline which significantly improves CI/CD efficiency. This approach helps in faster feedback cycles, quicker releases, and better utilization of resources. With proper pipeline configuration, teams can ensure high productivity while maintaining quality.



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