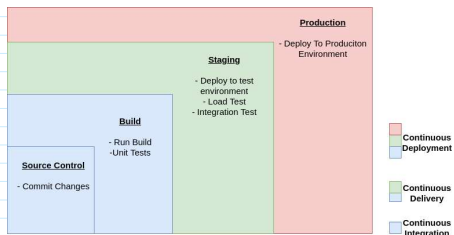


Continuous Delivery

CI + Deploy = CD

production

CI/CD



CI = Automated (Building of check in + Unit Test) → CD

C Delivery =

CI = Automated (Building of check in + Unit Test) \xrightarrow{M} $\text{D} \xrightarrow{M} \text{D}$

CDelivery =

- CI + Automated (Deployment to test Env.)

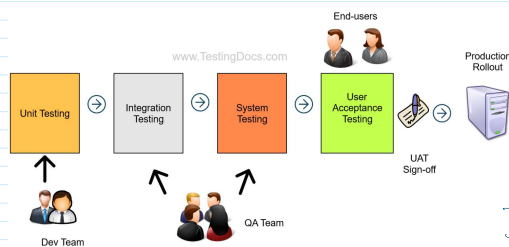
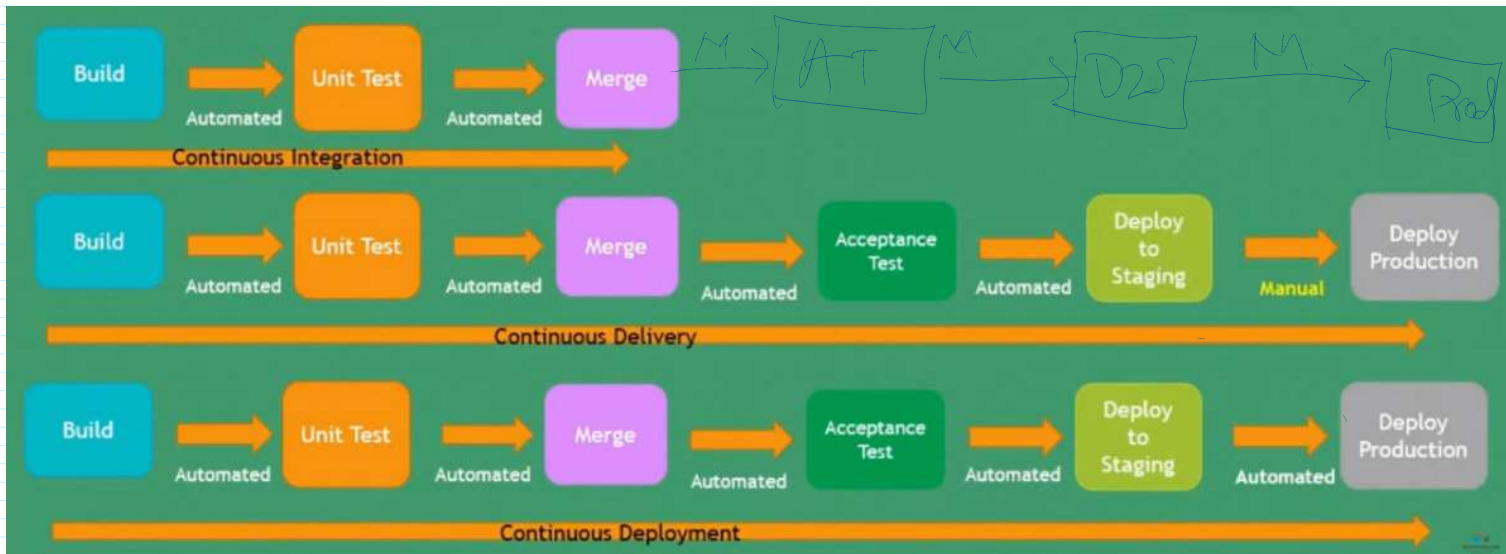
- Load Testing
- Integration test)



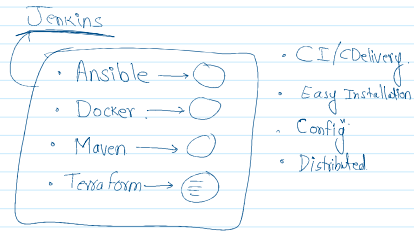
- Manually (deployment to product)

CDeployment

• CI + CDelivery + Automated (Deploy \rightarrow Product)

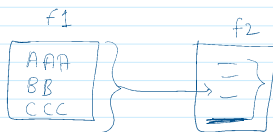
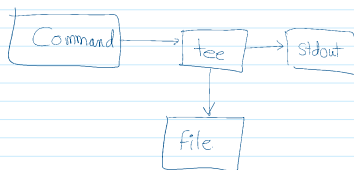


- ① Knowledge Gathering.
 - ② UAT Scoping.
 - ③ Design.
 - ④ Execution.
 - ⑤ Confirmation.
- } UAT process.

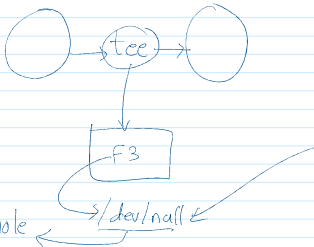


CI Tool

- Plugins & Extensible.
- Easy
 - Learn
 - Distribution
 - Configuration
 - Maintains.
 - Installation.



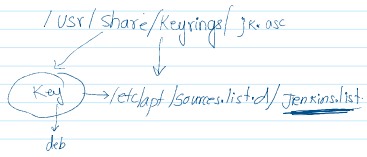
\$ wc -l f1 | tee -a f2



\$ echo "welcome" > /dev/null

\$ cat /dev/null

- ① stdout
- ② stdin
- ③ stderr.



```
curl -fsSL https://pkg.jenkins.io/debian-stable/jenkins.io-2023.key | sudo tee \
/usr/share/keyrings/jenkins-keyring.asc > /dev/null
```

```
echo deb [signed-by=/usr/share/keyrings/jenkins-keyring.asc] \
https://pkg.jenkins.io/debian-stable/binary/ | sudo tee \
/etc/apt/sources.list.d/jenkins.list > /dev/null
```

11 & 17

```
sudo apt-get update
sudo apt-get install fontconfig openjdk-11-jre
sudo apt install jenkins
```