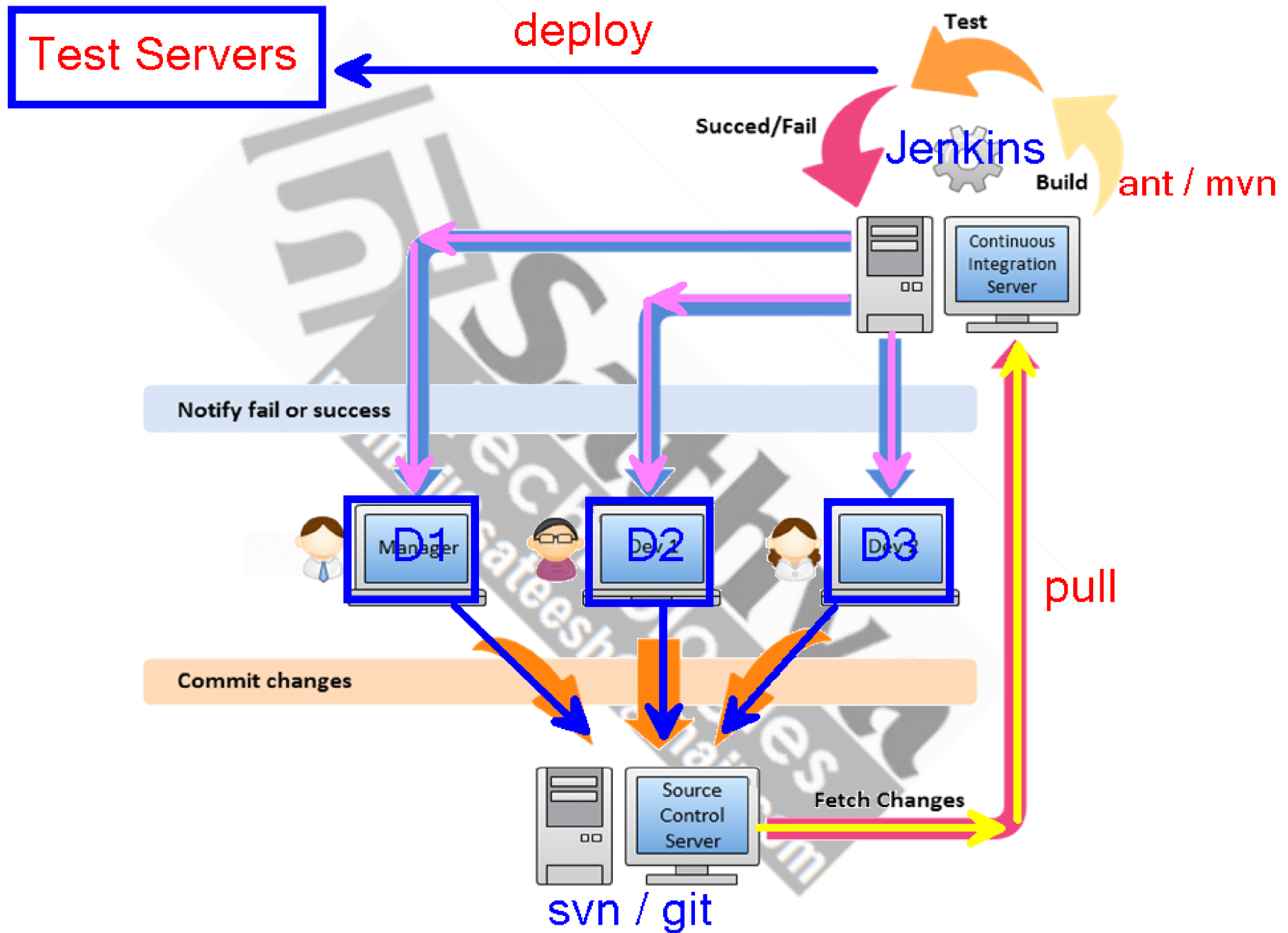




Jenkins



Jenkins Installation

Installation Methods

- 1. apt-get
- 2. Jenkins war file

Jenkins Installation using “apt”

Install java

sudo add-apt-repository ppa:openjdk-r/ppa

sudo apt-get update

sudo apt-get install openjdk-8-jdk

Jenkins Installation using “apt”

```
# wget -q -O -  
https://pkg.jenkins.io/debian/jenkins-  
ci.org.key | sudo apt-key add -  
  
# sudo sh -c 'echo deb  
http://pkg.jenkins.io/debian-stable binary/ >  
/etc/apt/sources.list.d/jenkins.list'  
  
# sudo apt-get update  
  
# sudo apt-get install jenkins
```


Start Service

#service jenkins start

Open Browser → <http://<Public IP>:8080>

Jenkins Installation using “war”

- i) Download Java & tomcat Server**
- ii) Download jenkins.war file**
- iii) deploy jenkins.war in tomcat/webapps**
- iv) start tomcat service**
- v) browser --->**
<http://localhost:8080/jenkins>

#vi .profile (or) .bashrc

#Java path:

export JAVA_HOME=/opt/jdk1.8.0_121

export PATH=\$JAVA_HOME/bin:\$PATH

#Tomcat path

export CATALINA_HOME=/opt/apache-tomcat-8.5.12

export PATH=\$CATALINA_HOME/bin:\$PATH

#Maven Path

export M2_HOME=/opt/apache-maven-3.3.9

export PATH=\$M2_HOME/bin:\$PATH

#ANT path

export ANT_HOME=/opt/apache-ant-1.10.1

export PATH=/opt/apache-ant-1.10.1/bin:\$PATH

#source .profile

Build-1:

Jenkins --> New Item --> Free Style Project
Build --> Execute Shell

```
mkdir /tmp/dir1  
mkdir /tmp/dir2  
echo "Hello from Jenkins Master" >  
/tmp/dir1/demo.txt  
echo "file created!"  
cp /tmp/dir1/demo.txt /tmp/dir2/demo.txt  
echo "File copied!"
```

Apply --> save --> "Build Now"

Build-2:

**Jenkins --> New Item --> Free Style Project
Build --> Execute Shell**

apt-get update

apt-get install -y apache2

service apache2 start

**echo "<h1> Good Day from WebServer </h1>" >
/var/www/html/index.html**

echo "package installed and file Deployed"

Apply --> save --> "Build Now"