

## Jenkins dashboard:

### To create a new Job:

Dashboard → New item → Add name → freestyle project → OK → description (optional) → Build Step → Add Build Step → Execute Shell → Write commands →

```
echo $hostname  
ifconfig
```

→ Apply + Save                      .....Job is created.

### To execute the Job

Open the Job & click **Build now** to execute the job.

Click on build history and then **Console output** - will show the output.

Use **Configure** option – To reconfigure job anytime

**cd /root/.Jenkins/jobs** - location for the jobs (\* Build can be found inside particular job directory)

### To delete old builds: (Retention)

Go to Configure → Select Discard old builds → Days to keep Build (eg: 2 days) → maximum # of builds to keep (eg: 5 Jobs) → Apply + Save

### Common issue with Jenkins:

**Disk Full** :- Solution- Keep discarding old build.

### Workspace – To clean while we run new build:

Configure → Delete workspace before the build start → Apply + Save

### To change the Workspace: (you can create a custom workspace)

Go to Jobs Configure → Advanced → select - Use custom workspace → add directory (Eg: /mnt/freestyle) → apply + Save

### Jenkins management:

Manage Jenkins → System →

- Jenkins home directory - You can find Jenkins home directory here
- Number of executors - How many jobs parallelly run-on Jenkins master (Depends on H/W configuration of machine)
- Jenkins URL - can be modified from here

### User Management in Jenkins:

Manage Jenkins → Security → Security → Users → Create User → add user details → Create user.

### For Access Control - Jenkins user: granular permission:

Manage Jenkins → Security → Security Realm → Authorization → Matrix based Security → Add User → Allow Access → Apply + Save.

**Allow Users to sign Up:** This will allow users to register himself using Jenkins link

### In company Users will be added from Active Directory:

Security Realm → LDAP → Server URL