

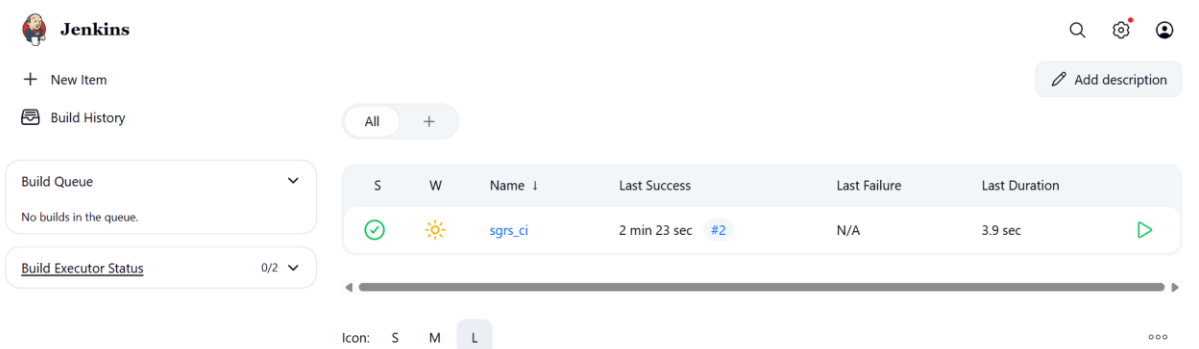
Week 4

1.Jenkins Installation



The screenshot shows the Jenkins user profile page for 'Vaishnavi'. The left sidebar contains a list of navigation links: Status, Builds, My Views, Account, Appearance, Preferences, Security, Experiments, and Credentials. The main content area displays the user's name 'Vaishnavi' and their Jenkins User ID 'vaishnavi_dn'. There is an 'Add description' button in the top right corner.

2. Jenkins Configuration page



The screenshot shows the Jenkins Configuration page. The left sidebar has links for 'New Item' and 'Build History'. The main content area displays a table of build history for the 'sgrs_ci' job. The table has columns for 'S' (Status), 'W' (Workspace), 'Name', 'Last Success', 'Last Failure', and 'Last Duration'. The first row shows a successful build with a green checkmark icon, a sun icon, the name 'sgrs_ci', a duration of '2 min 23 sec', and a build number of '#2'. Below the table is a horizontal scrollbar and a legend for the status icons: 'S' (Success), 'M' (Missing), and 'L' (Error).

S	W	Name	Last Success	Last Failure	Last Duration
✓	☀	sgrs_ci	2 min 23 sec #2	N/A	3.9 sec

REST API Jenkins 2.516.1

3. First successful build output

Jenkins / sgrs_ci / #1 / Console Output

Console Output

```

Started by user Vaishnavi
Running as SYSTEM
Building in workspace C:\ProgramData\Jenkins\jenkins\workspace\sgrs_ci
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/dnvaishnavi/StudentsGrievance-RedressalSystem.git
> git.exe init C:\ProgramData\Jenkins\jenkins\workspace\sgrs_ci # timeout=10
Fetching upstream changes from https://github.com/dnvaishnavi/StudentsGrievance-RedressalSystem.git
> git.exe --version # timeout=10
> git --version # 'git version 2.46.0.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/dnvaishnavi/StudentsGrievance-RedressalSystem.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url https://github.com/dnvaishnavi/StudentsGrievance-RedressalSystem.git # timeout=10
> git.exe config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
> git.exe rev-parse "refs/remotes/origin/main^{commit}" # timeout=10
Checking out Revision 7a4b8f3e8ff4726d115c98b80ca20cf3aac9fa44 (refs/remotes/origin/main)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 7a4b8f3e8ff4726d115c98b80ca20cf3aac9fa44 # timeout=10

```

4. Changes reflected in jenkins when committed changes in git repo

Jenkins / sgrs_ci / #6 / Changes

Changes

Summary

1.1 (details)

Commit 7a8a97037e39e176fd7cf2b53a9d58fc053633d5 by varshinikarri9

1

+ nf.txt

Learnings About Jenkins

Jenkins is an open-source automation server mainly used for Continuous Integration (CI) and Continuous Deployment/Delivery (CD)

Automates repetitive tasks like building, testing, and deploying software.

it pulls code from Git, builds it, runs tests, and deploys automatically, making software delivery **faster, reliable, and repeatable**.