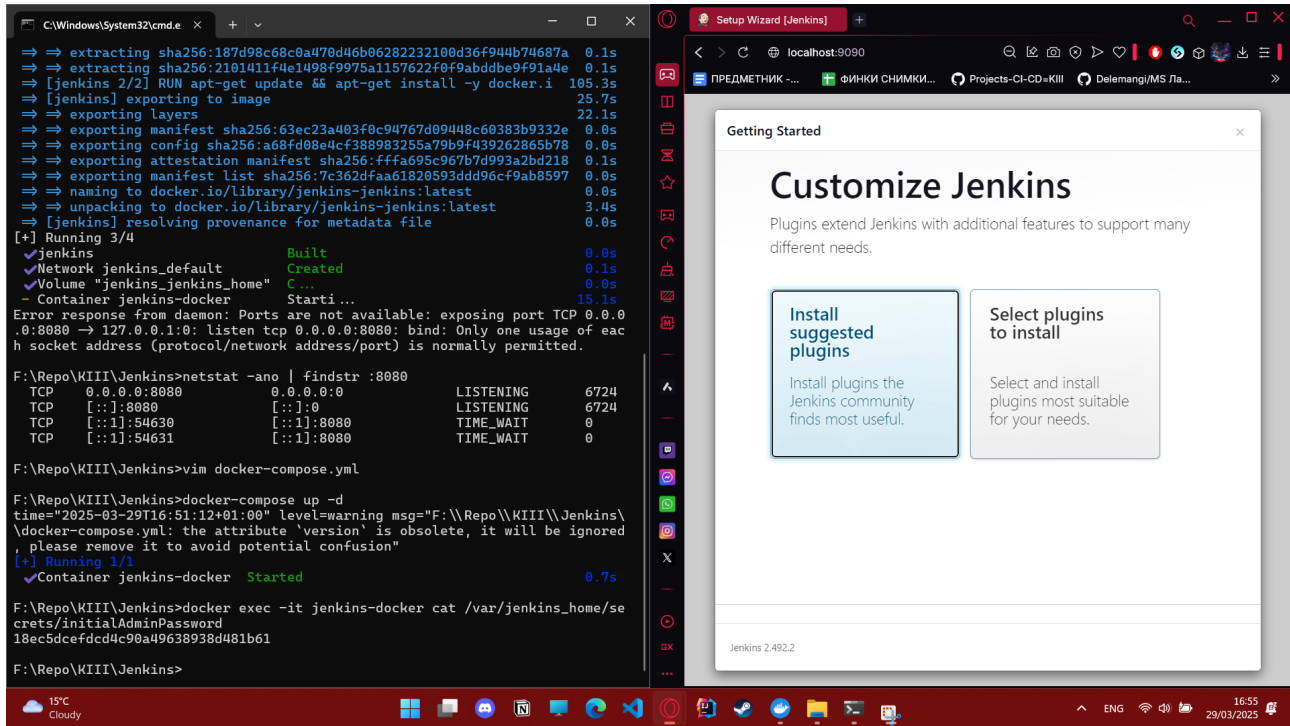
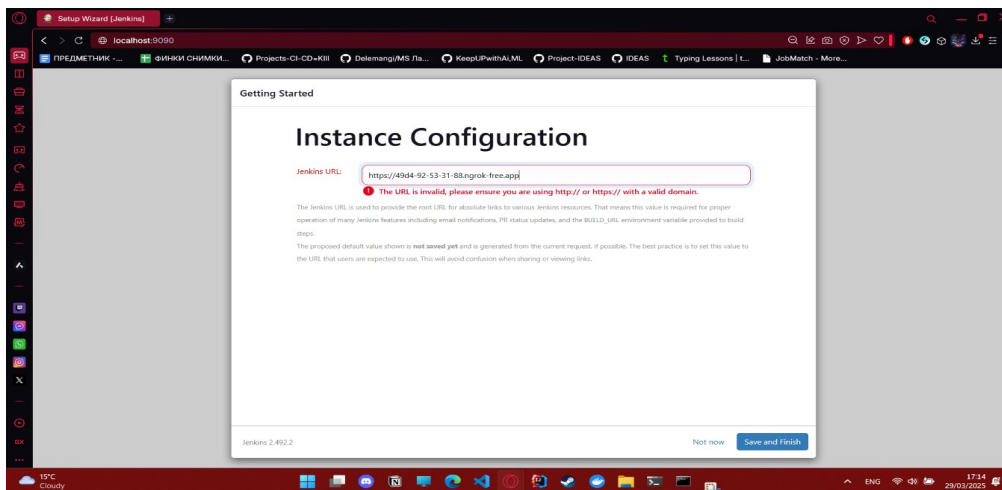


Jenkins

1.Installing Jenkins in docker



2.Added ngrok to jenkins



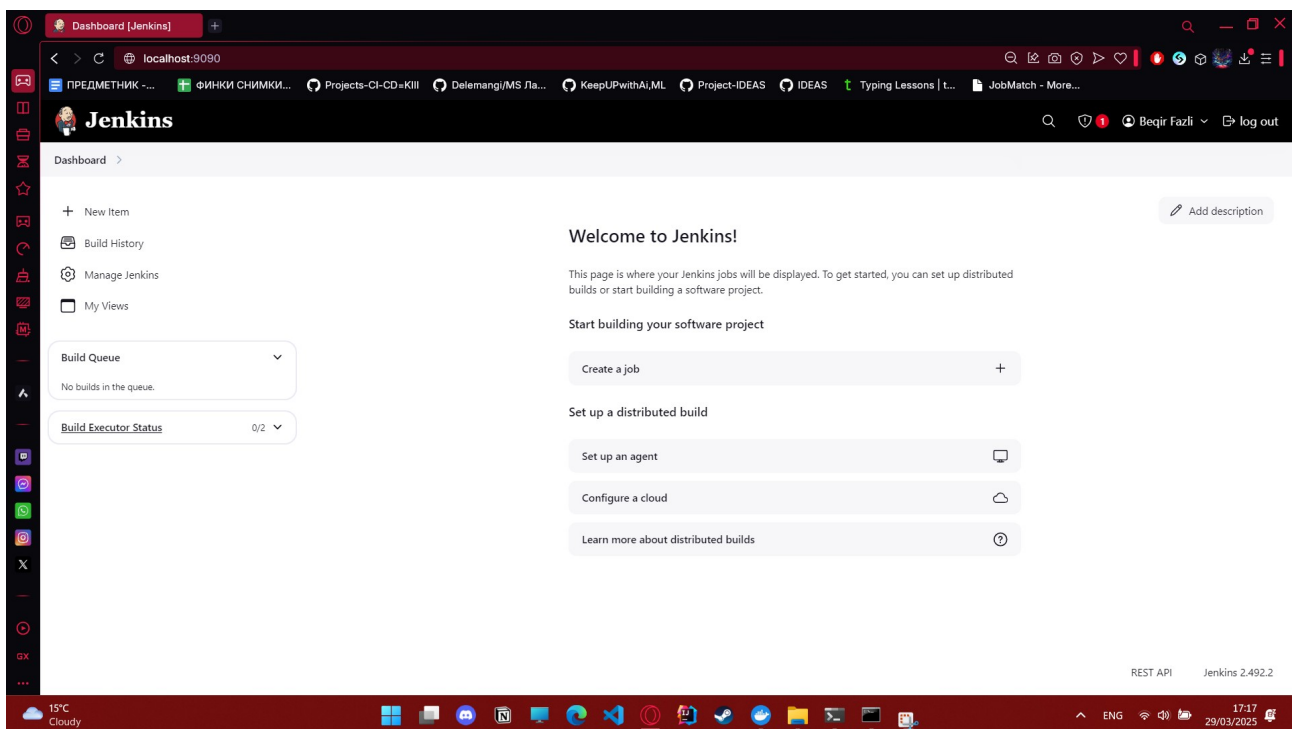
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```
C:\Windows\System32\cmd.e x + v
ngrok (Ctrl+C to quit)
♦ Protect endpoints w/ IP Intelligence: https://ngrok.com/r/ipintel

Session Status      online
Account              Beqir Fazli (Plan: Free)
Update              update available (version 3.22.1, Ctrl-U to update)
Version              3.20.0
Region              Europe (eu)
Latency              44ms
Web Interface        http://127.0.0.1:4040
Forwarding            https://fb9a-92-53-31-88.ngrok-free.app → http://localhost:9090

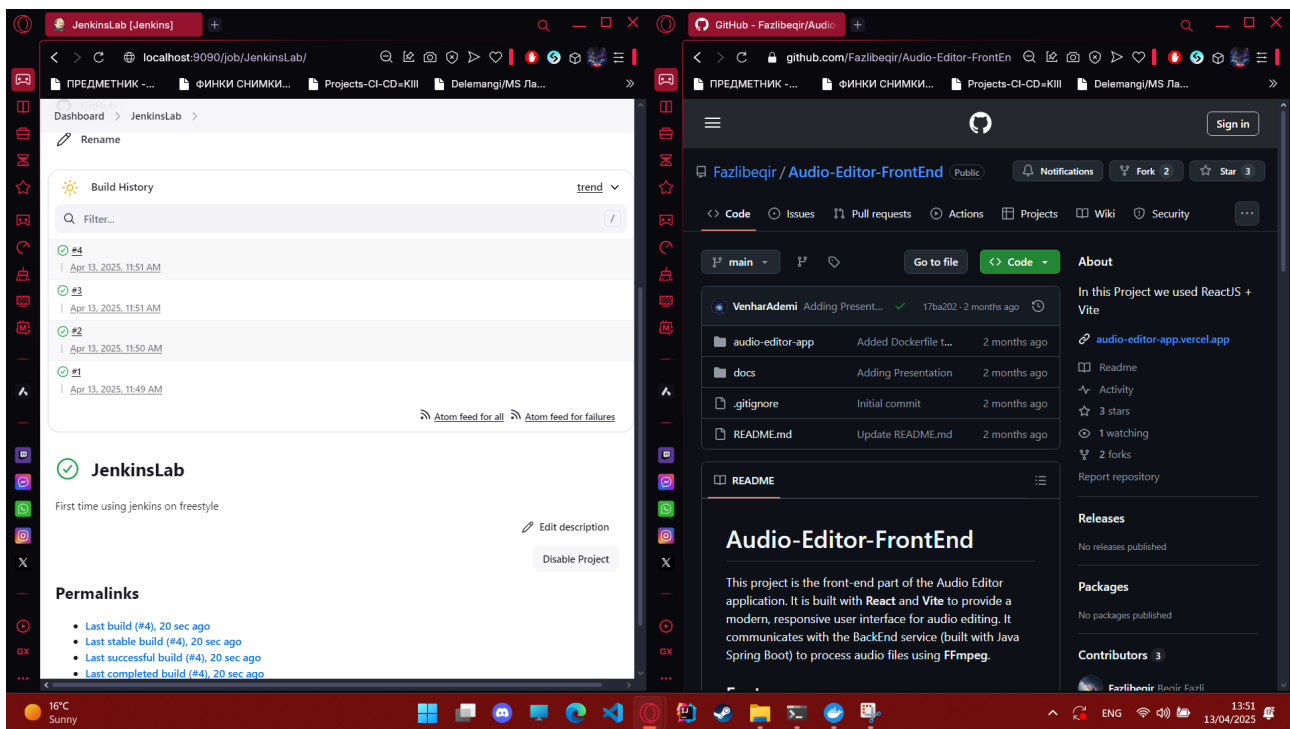
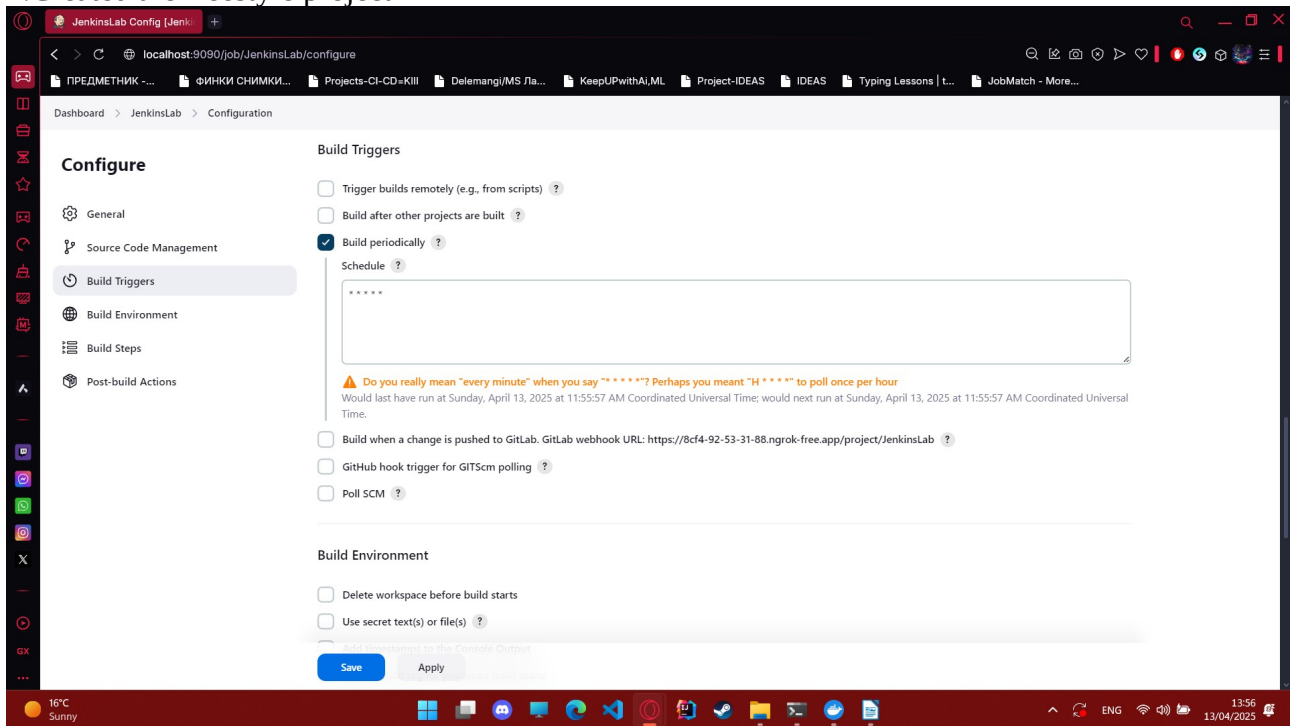
Connections          ttl    opn    rt1    rt5    p50    p90
                     0      0      0.00   0.00   0.00   0.00
```

3. Finished installing



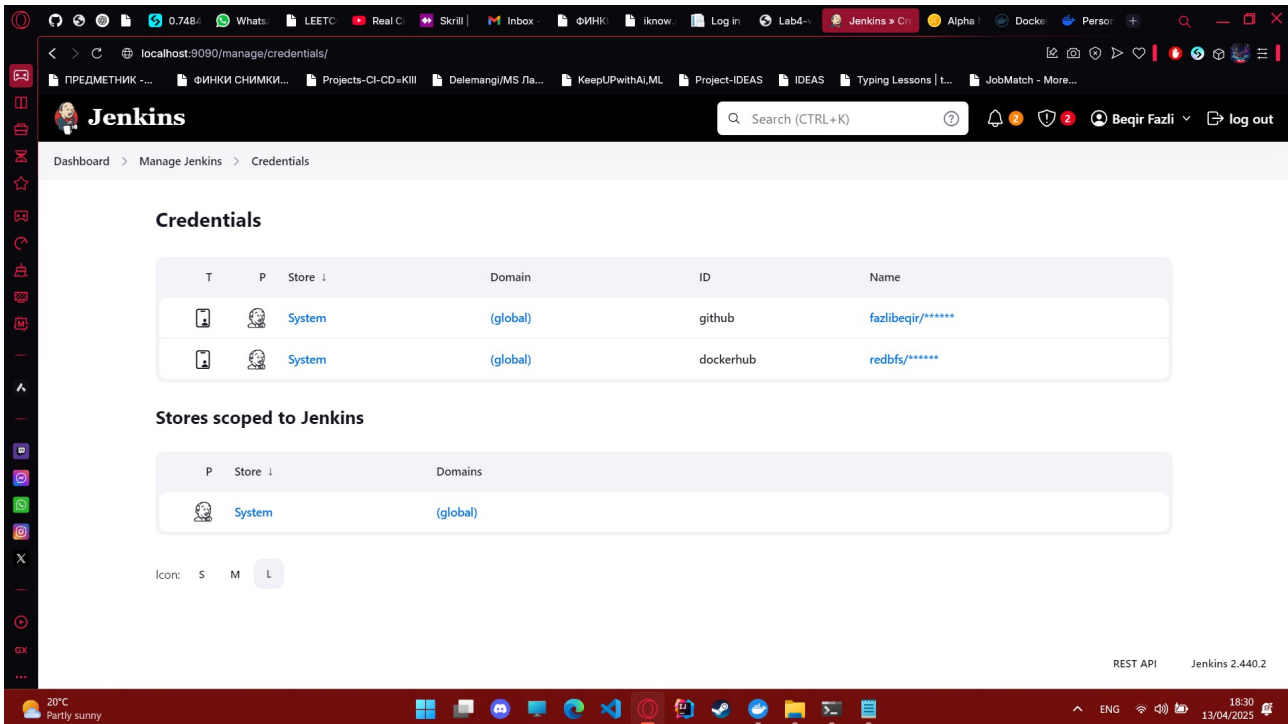
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4. Created the freestyle project



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5. Credentials



The screenshot shows the Jenkins web interface at the 'Credentials' page. The breadcrumb navigation is 'Dashboard > Manage Jenkins > Credentials'. The main heading is 'Credentials'. Below it is a table with two entries:

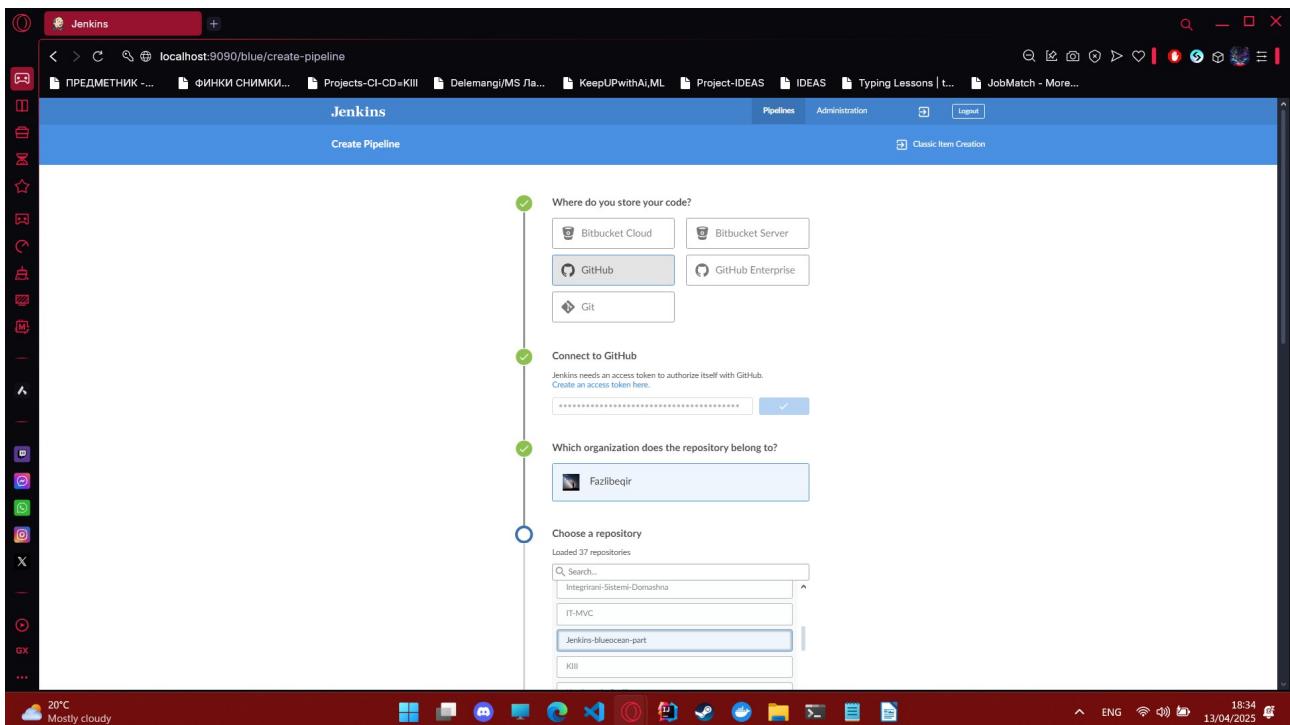
T	P	Store	Domain	ID	Name
		System	(global)	github	fazlibeqir/*****
		System	(global)	dockerhub	redbfs/*****

Below the table is the section 'Stores scoped to Jenkins' with a single entry:

P	Store	Domains
	System	(global)

At the bottom left, there are icons for 'Icon: S M L'. At the bottom right, it says 'REST API' and 'Jenkins 2.440.2'. The Windows taskbar at the bottom shows the date as 13/04/2025 and time as 18:30.

6. Creating a pipeline in blueocean



The screenshot shows the Jenkins Blue Ocean 'Create Pipeline' wizard. The steps are as follows:

- Where do you store your code?** Options include Bitbucket Cloud, Bitbucket Server, GitHub, GitHub Enterprise, and Git. GitHub is selected.
- Connect to GitHub** Jenkins needs an access token to authorize itself with GitHub. A text field for the token is shown with a 'Login' button.
- Which organization does the repository belong to?** 'fazlibeqir' is selected.
- Choose a repository** A list of repositories is shown, including 'Jenkins-blueocean-part', which is selected.

The Windows taskbar at the bottom shows the date as 13/04/2025 and time as 18:34.

7. Watching the pipeline

The screenshot shows the Jenkins pipeline interface for a job named 'lab-jenkins 1'. The top bar is green and contains tabs for 'Pipeline', 'Changes', 'Tests', 'Artifacts', and a 'Logout' button. Below the bar, the pipeline status is shown: 'Branch: master', 'Commit: 772b2bd', '19m 6s', 'No changes', and 'Branch indexing'. A progress bar below the status shows the pipeline stages: 'Start', 'Clone repository', 'Build image', 'Push image', and 'End'. The 'Push image' stage is currently active and highlighted with a blue circle. Below the progress bar, the 'Push image' stage is expanded, showing a list of steps with their durations. The steps are: 'Checks if running on a Unix-like node' (<1s), 'docker tag "\$JID_ID" "\$JID_TAGGED_IMAGE_NAME" -- Shell Script' (<1s), 'Checks if running on a Unix-like node' (<1s), 'docker push "\$JID_TAGGED_IMAGE_NAME" -- Shell Script' (10m 39s), 'Checks if running on a Unix-like node' (<1s), 'docker tag "\$JID_ID" "\$JID_TAGGED_IMAGE_NAME" -- Shell Script' (<1s), 'Checks if running on a Unix-like node' (<1s), and 'docker push "\$JID_TAGGED_IMAGE_NAME" -- Shell Script' (6s).

Step	Duration
> Checks if running on a Unix-like node	<1s
> docker tag "\$JID_ID" "\$JID_TAGGED_IMAGE_NAME" -- Shell Script	<1s
> Checks if running on a Unix-like node	<1s
> docker push "\$JID_TAGGED_IMAGE_NAME" -- Shell Script	10m 39s
> Checks if running on a Unix-like node	<1s
> docker tag "\$JID_ID" "\$JID_TAGGED_IMAGE_NAME" -- Shell Script	<1s
> Checks if running on a Unix-like node	<1s
> docker push "\$JID_TAGGED_IMAGE_NAME" -- Shell Script	6s

8. In Dockerhub

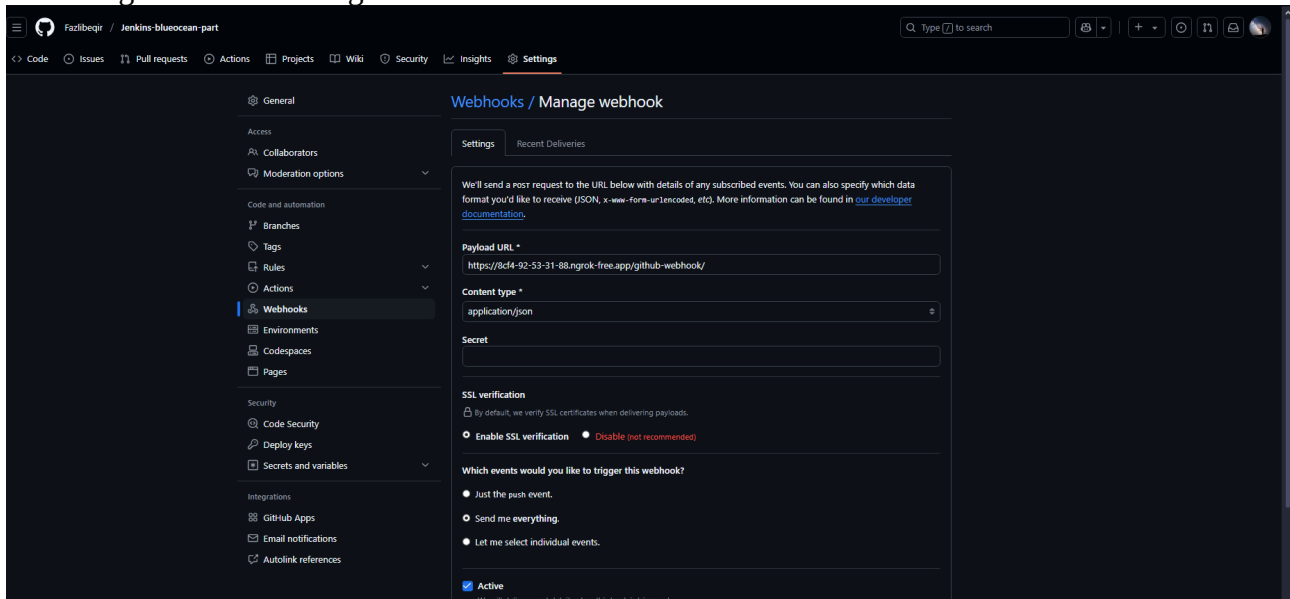
The screenshot shows the Docker Hub interface for the 'redbfs' namespace. The top bar is blue and contains the 'dockerhub' logo, 'Explore', 'My Hub', and a search bar. The left sidebar contains a list of navigation items: 'Repositories', 'Settings', 'Default privacy', 'Notifications', 'Billing', 'Usage', 'Pulls', and 'Storage'. The main content area is titled 'Repositories' and shows 'All repositories within the redbfs namespace.' Below this, there is a search bar and a 'Create a repository' button. A table lists the repositories:

Name	Last Pushed	Contains	Visibility	Scout
redbfs/jenkins-lab-1	1 minute ago	IMAGE	Public	Inactive

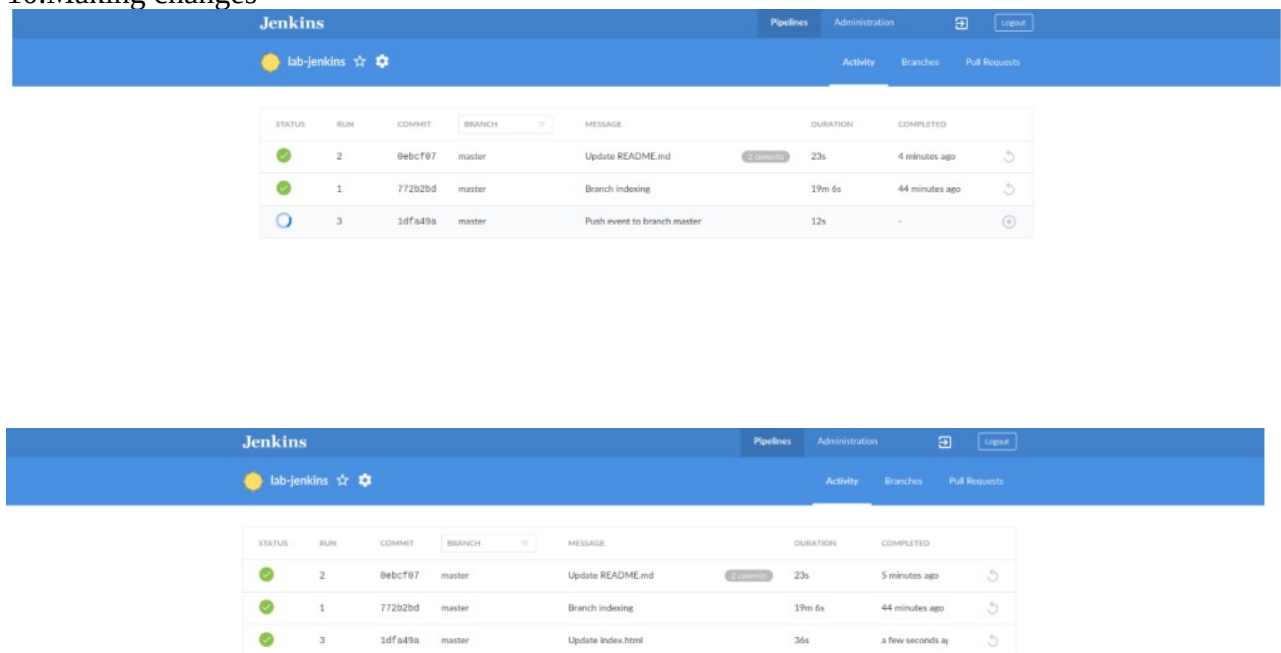
The bottom of the screenshot shows a Windows taskbar with various icons and a system tray displaying the date and time (23:15, 13/04/2025).

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9. Adding the webhook in github



10. Making changes



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10. [Github](#) with main and creating dev branch

The screenshot shows a Jenkins Pipeline run for 'lab-jenkins 1'. The top bar indicates the branch is 'dev' and the commit is '1df449a'. The pipeline status is 'Success' with a duration of 30s. The pipeline steps are: Start, Clone repository, Build image, Push image, and End. The 'Push image' step is highlighted, showing a list of tasks with their durations:

Task	Duration
Checks if running on a Unix-like node	<1s
docker tag "\$JD_ID" "\$JD_TAGGED_IMAGE_NAME" — Shell Script	<1s
Checks if running on a Unix-like node	<1s
docker push "\$JD_TAGGED_IMAGE_NAME" — Shell Script	10s
Checks if running on a Unix-like node	<1s
docker tag "\$JD_ID" "\$JD_TAGGED_IMAGE_NAME" — Shell Script	<1s
Checks if running on a Unix-like node	<1s
docker push "\$JD_TAGGED_IMAGE_NAME" — Shell Script	5s

11. Pull request

The screenshot shows a GitHub Pull Request for 'Update index.html #1'. The pull request is merged and closed. The commit message is 'Fazlibeqir merged 2 commits into main from dev'. The pull request was created by 'Fazlibeqir' and merged into 'main'. The pull request is now closed, and the 'dev' branch can be safely deleted. The pull request details include:

- Conversation: 0
- Commits: 1
- Checks: 1
- Files changed: 1
- Update index.html (Verified, b74fe54)
- Merge branch 'main' into dev (Verified, 3f4bb92)
- Fazlibeqir merged commit e3e713d into main now
- 1 check passed
- Labels: None yet
- Projects: None yet
- Milestone: No milestone
- Development: Successfully merging this pull request may close these issues