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Roll No : 01
Devops Assignment : 03

Create a blank project:

Create a blank project. Create a .gitlab-ci.yml file at the root of your repository. This file is where you define the CI/CD jobs and choose the template as bash.

Register and Start Runner:

Now, you have to install the runner. Then register for the runner, Once the registration is successful start the runner.

```
C:\Gitlab-Runner>.\gitlab-runner.exe install
Runtime platform                         arch=amd64 os=windows pid=22424 revision=436955cb version=15.11.0

C:\Gitlab-Runner>.\gitlab-runner.exe start
Runtime platform                         arch=amd64 os=windows pid=4640 revision=436955cb version=15.11.0

C:\Gitlab-Runner>.\gitlab-runner.exe register
Runtime platform                         arch=amd64 os=windows pid=7104 revision=436955cb version=15.11.0
Enter the GitLab instance URL (for example, https://gitlab.com/):
https://gitlab.com/
Enter the registration token:
GR1348941fBG8YXEAuZrpsrok54ze
Enter a description for the runner:
[LAPTOP-E3MLJE2H]: my first program
Enter tags for the runner (comma-separated):
tag1,tag2
Enter optional maintenance note for the runner:

WARNING: Support for registration tokens and runner parameters in the 'register' command has been deprecated in GitLab Runner 15.6 and will be replaced with s
upport for authentication tokens. For more information, see https://gitlab.com/gitlab-org/gitlab/-/issues/380872
Registering runner... succeeded                 runner=GR1348941fBG8YXEA
Enter an executor: docker-autoscaler, docker+machine, kubernetes, docker, parallels, shell, ssh, virtualbox, docker-ssh+machine, instance, custom, docker-wind
ows, docker-ssh:
shell
Runner registered successfully. Feel free to start it, but if it's running already the config should be automatically reloaded!

Configuration (with the authentication token) was saved in "C:\\Gitlab-Runner\\config.toml"

C:\Gitlab-Runner>
```
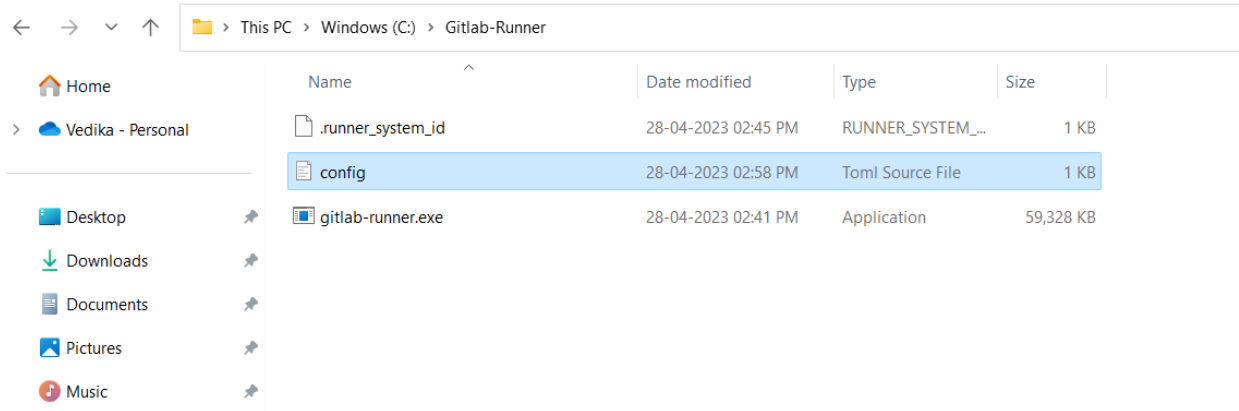
Change in config.toml:

Once the runner is started, In config.toml we have to change pwsh to powershell and save the changes and also delete old runners.


```toml
1    concurrent = 1
2    check_interval = 0
3    shutdown_timeout = 0
4
5    [session_server]
6      session_timeout = 1800
7
8    [[runners]]
9      name = "my first program"
10     url = "https://gitlab.com/"
11     id = 23014345
12     token = "CsfMDsyVCzGuU8Kbxx5A"
13     token_obtained_at = 2023-04-28T09:25:37Z
14     token_expires_at = 0001-01-01T00:00:00Z
15     executor = "shell"
16     shell = "powershell"
17     [runners.cache]
18       MaxUploadedArchiveSize = 0
19
```

Add New File and run pipeline:

Add a new file Hello.java in a project. Now to run a pipeline Go to settings→Runner→disable the shared runners. And Edit the project runner, click on checkbox run untagged jobs. It will start executing the pipeline in build, test, and deploy phase one by one

To check jobs:

Goto CI/CD→ pipelines → click on run pipelines

Assignment-3

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Assignment-3 🔒
Project ID: 45559042

⊘ **3 Commits**   ⌥ **1 Branch**   ⬙ **0 Tags**   ▤ **0 Bytes** Project Storage

Add new file
Vedika Adheli authored 13 minutes ago

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Find file   Web IDE ⌄   ⬇ ⌄   Clone ⌄

README   CI/CD configuration   Add LICENSE   Add CHANGELOG   Add CONTRIBUTING   Add Kubernetes cluster   Add Wiki

Configure Integrations

Name	Last commit	Last update
.gitlab-ci.yml	Add new file	1 hour ago
Hello.java	Add new file	13 minutes ago
README.md	Initial commit	1 hour ago

📄 **README.md**