

DevOps Project Task1 Week1

- Implementation of discourse community version on server as on-prem deployment. Need to create Postgres database and add some demo data inside it. And make it up and running. For this task we have to do first on-prem later on docker.

Steps:

1. In our ubuntu operating system, we'll go terminal and run this script.

```
bash <(wget -qO- https://raw.githubusercontent.com/discourse/install-rails/main/linux)
```

This script installs the required dependencies for the installation of Discourse and it contains the following:

1. Git
2. Rbenv
3. Ruby-build
4. Ruby
5. Rails
6. PostgreSQL
7. Redis
8. Bundle
9. Mailhog
10. ImageMagick

```
venis@venis-VirtualBox:~$ bash <(wget -qO- https://raw.githubusercontent.com/discourse/install-rails/main/linux)
Updating Packages ...
[sudo] password for venis:
Get:1 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Hit:2 http://in.archive.ubuntu.com/ubuntu jammy InRelease
Get:3 https://download.docker.com/linux/ubuntu focal InRelease [57.7 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Hit:5 https://dl.yarnpkg.com/debian stable InRelease
Get:6 http://in.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu jammy-updates/main i386 Packages [567 kB]
Get:8 http://security.ubuntu.com/ubuntu jammy-security/main i386 Packages [400 kB]
Get:9 http://security.ubuntu.com/ubuntu jammy-security/main amd64 Packages [1,142 kB]
Get:10 http://in.archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1,366 kB]
Get:11 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [211 kB]
Get:12 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [1,366 kB]
Get:13 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [224 kB]
Get:14 http://security.ubuntu.com/ubuntu jammy-security/universe i386 Packages [590 kB]
Get:15 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [839 kB]
Get:16 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [160 kB]
Get:17 http://in.archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [272 kB]
Get:18 http://in.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 Packages [1,412 kB]
Get:19 http://in.archive.ubuntu.com/ubuntu jammy-updates/restricted Translation-en [233 kB]
Get:20 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe i386 Packages [687 kB]
Get:21 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [1,044 kB]
Get:22 http://in.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [235 kB]
Get:23 http://in.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [24.3 kB]
Get:24 http://in.archive.ubuntu.com/ubuntu jammy-backports/universe i386 Packages [13.4 kB]
Fetched 11.2 MB in 27s (416 kB/s)
```

2. Now as we have installed required dependencies for discourse . We'll use following command for the installation .

```
git clone https://github.com/discourse/discourse.git ~/discourse
```

```
venis@venis-VirtualBox:~$ git clone https://github.com/discourse/discourse.git ~/discourse
Cloning into '/home/venis/discourse'...
remote: Enumerating objects: 720808, done.
remote: Counting objects: 100% (33657/33657), done.
remote: Compressing objects: 100% (1256/1256), done.
remote: Total 720808 (delta 32935), reused 32617 (delta 32400), pack-reused 687151
Receiving objects: 100% (720808/720808), 594.88 MiB | 10.87 MiB/s, done.
Resolving deltas: 27% (133261/485399)
```

3. Switch to Discourse folder using `cd ~/discourse` command on terminal.
4. Now we need to install some gems which are needed to install. So run this following commands.

```
source ~/.bashrc
bundle install
```

```
venis@venis-VirtualBox:~$ cd ~/discourse
venis@venis-VirtualBox:~/discourse$ source ~/.bashrc
bundle install
Bundle complete! 138 Gemfile dependencies, 234 gems now installed.
Use `bundle info [gemname]` to see where a bundled gem is installed.
```

5. Now we have to install some JS dependencies so run this command `yarn install`.

```
venis@venis-VirtualBox:~$ yarn install
yarn install v1.22.19
info No lockfile found.
[1/4] Resolving packages...
[2/4] Fetching packages...
[3/4] Linking dependencies...
[4/4] Building fresh packages...

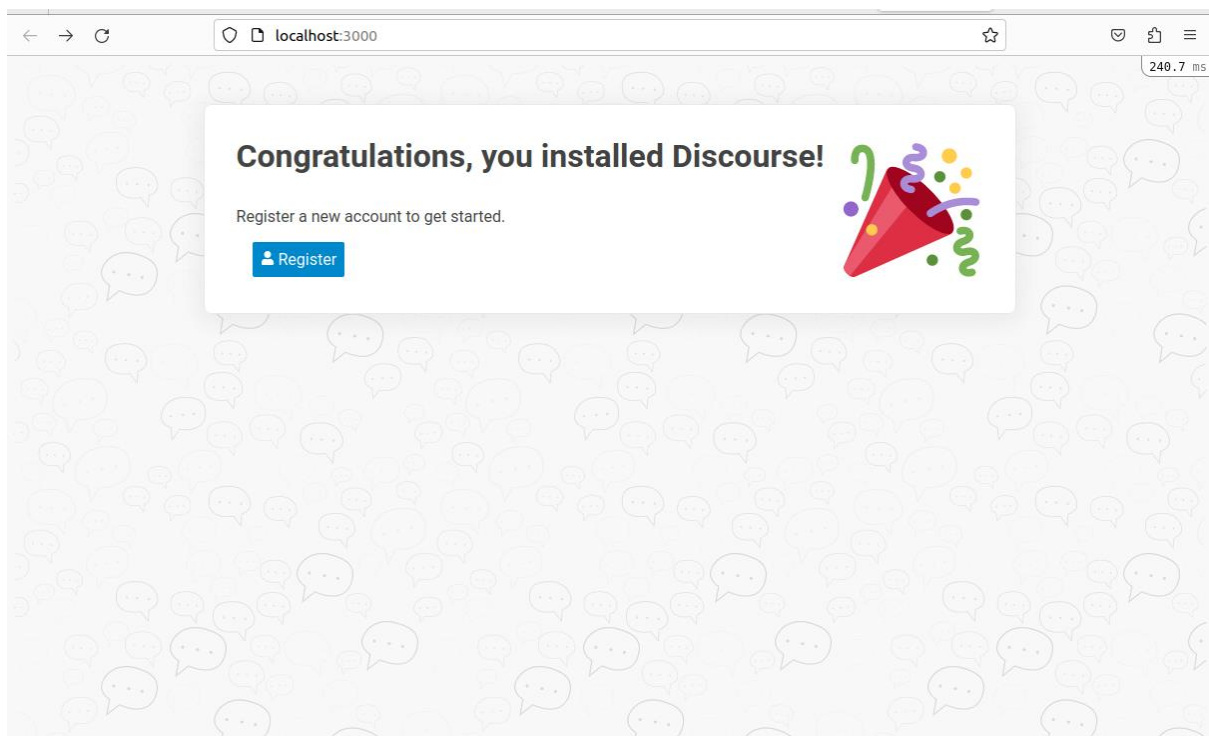
success Saved lockfile.
Done in 0.18s.
```

6. Now we want to start rails and ember server. so run following commands.

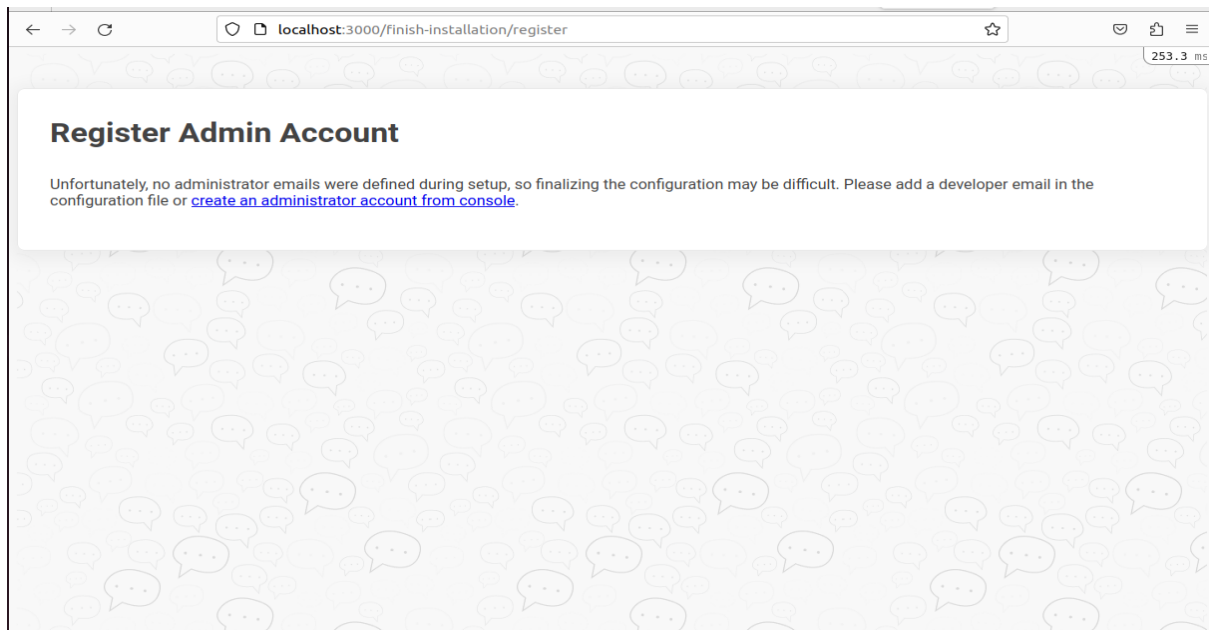
```
bin/rails db:create  
bin/rails db:migrate  
RAILS_ENV=test bin/rails db:create db:migrate
```

```
bin/ember-cli -u or  
DISCOURSE_HOSTNAME=localhost UNICORN_LISTENER=localhost:3000  
bin/ember-cli -u
```

7. Now on <http://localhost:3000/> we can see the discourse welcoming page.



8. Now we have to click on Register so that we can register our account. Now click on “create an administrator account from console”.



9. Now Enter email and password here, so that we can signup on discourse.

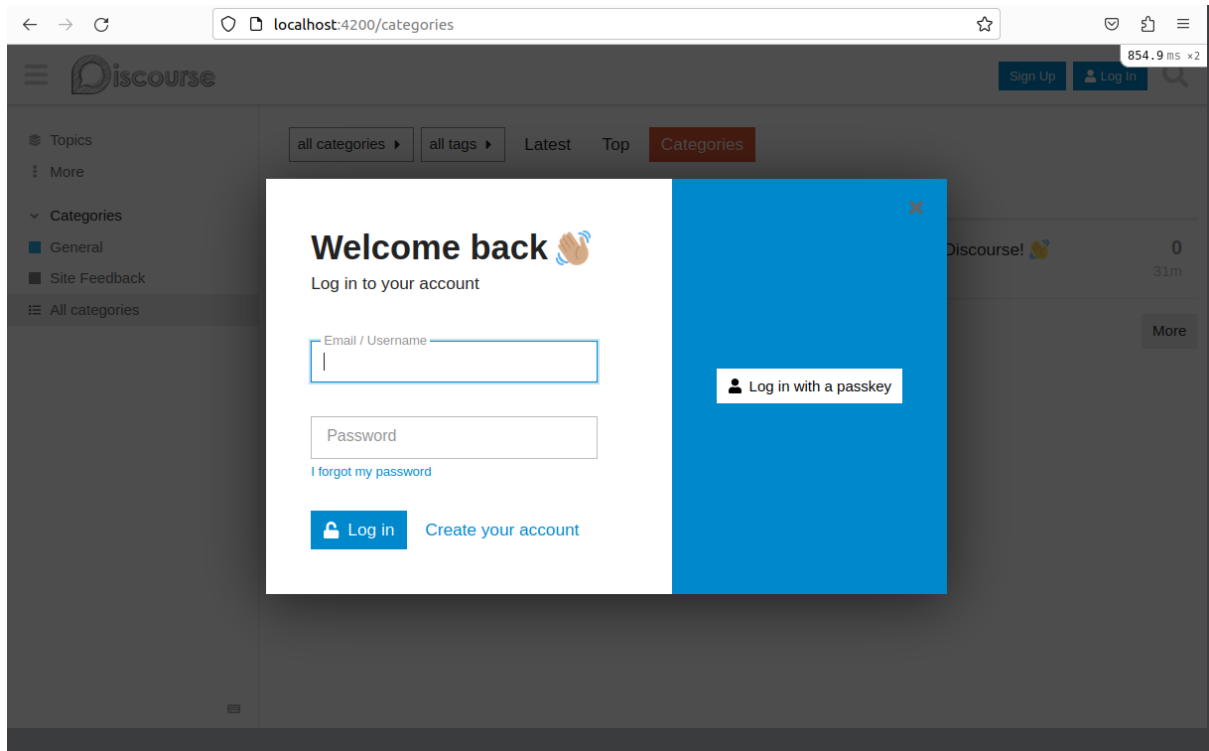
```
venis@venis-VirtualBox:~/discourse$ bin/rails admin:create
Email: venispatel55@gmail.com
Password:
Repeat password:

Ensuring account is active!

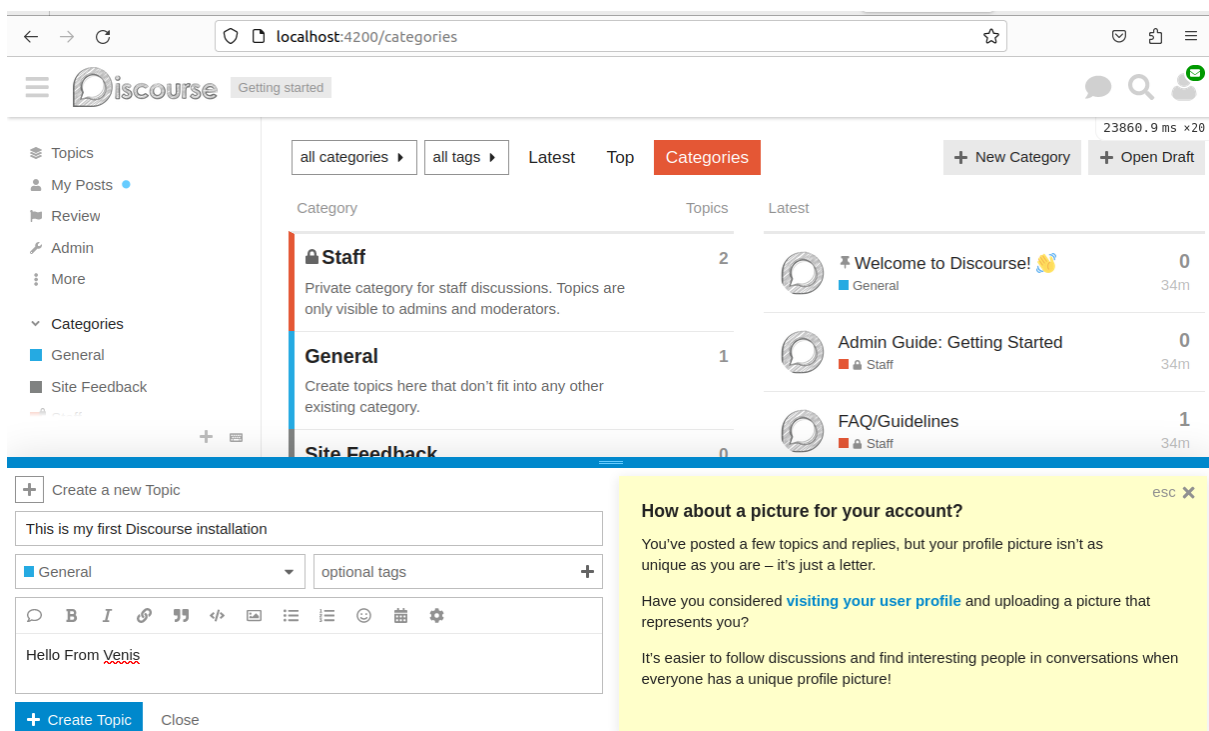
Account created successfully with username venispatel55
Do you want to grant Admin privileges to this account? (Y/n) y

Your account now has Admin privileges!
venis@venis-VirtualBox:~/discourse$
```

10. Now again go on webpage and click on Login and Enter admin email and password.



11. Here we can see that we have entered into discourse's main page and here we can create a post also.



12. Here we can clearly see our created post.

The screenshot shows a web browser at localhost:4200/t/this-is-my-first-discourse-installation/8. The Discourse interface includes a left sidebar with navigation links: Topics, My Posts, Review, Admin, More, Categories (General, Site Feedback, Staff, All categories), Messages (Inbox), Channels (General, Staff), and DMS. The main content area displays a post titled "This is my first Discourse installation" in the "General" category, created by user "venispatel55" 1 minute ago. The post content is "Hello From Venis Patel , I'm so excited .". Below the post are buttons for editing, sharing, bookmarking, flagging, and replying. A "Watching" notification indicates that the user will receive notifications because they created the topic. A table titled "New & Unread Topics" shows a topic "Welcome to Discourse!" with 0 replies, 0 views, and 36 minutes of activity. At the bottom, a link suggests browsing other topics in the "General" category or viewing the latest topics.

← → ↻ localhost:4200/t/this-is-my-first-discourse-installation/8

Discourse Getting started

Topics
My Posts
Review
Admin
More
Categories
General
Site Feedback
Staff
All categories
Messages
Inbox
Channels
General
Staff
DMS

This is my first Discourse installation

General

venispatel55 1m

Hello From Venis Patel , I'm so excited .

Share Bookmark Flag Reply

Watching You will receive notifications because you created this topic.

New & Unread Topics

Topic	Replies	Views	Activity
Welcome to Discourse! 🎉 General	0	0	36m

Want to read more? Browse other topics in General or [view latest topics](#).