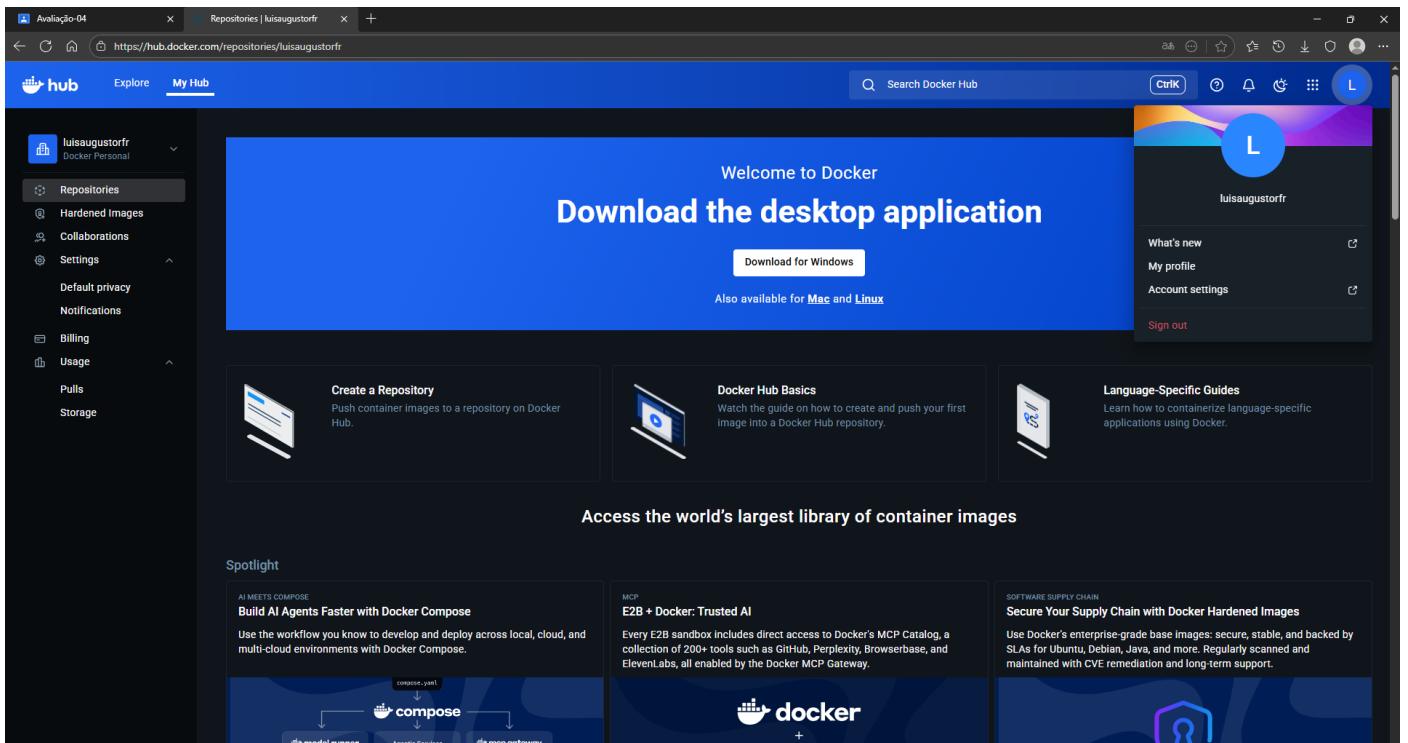


Aluno: Luis Augusto Raulino Frota, ASR 2025.2 - Telemática
Usando uma instalação do Linux Ubuntu no Virtual Box faça as seguintes atividades:

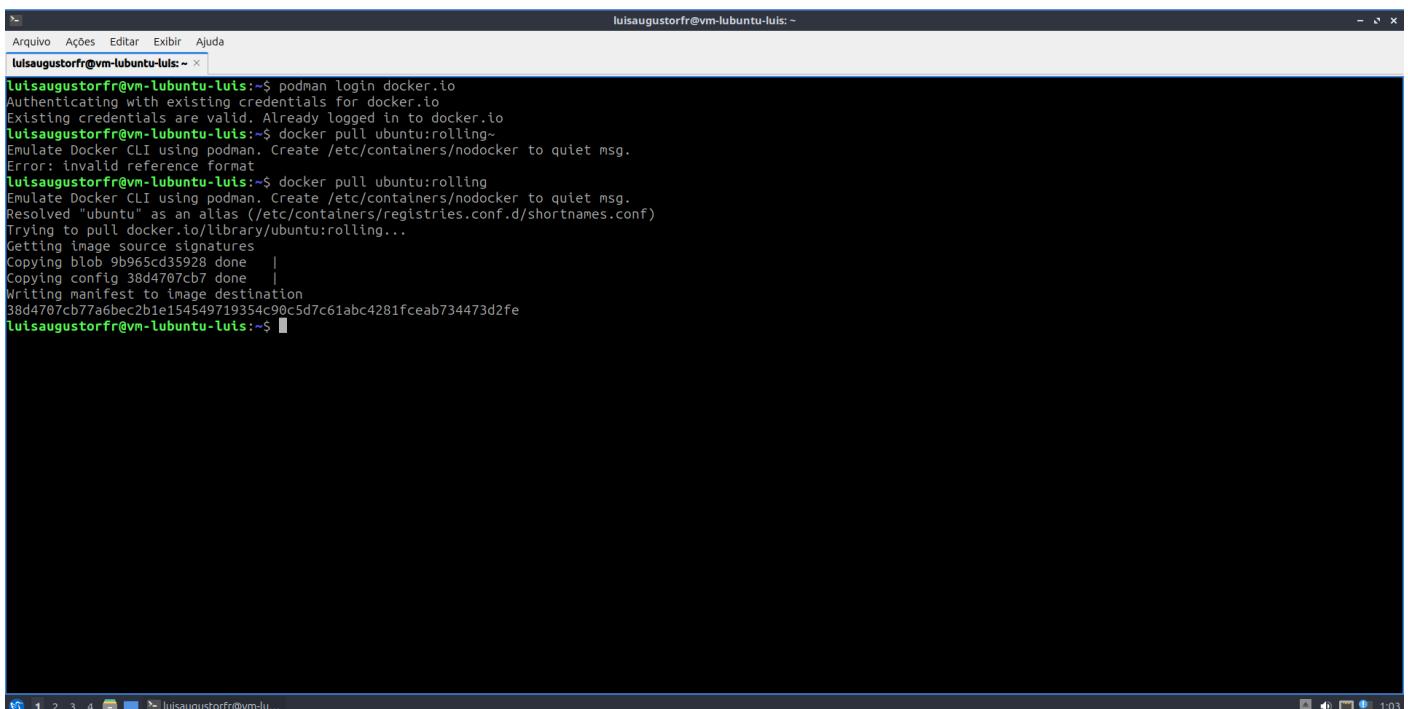
1. Crie uma conta no DockerHub

<https://hub.docker.com/repositories/luisaugustorfr>



The screenshot shows the Docker Hub interface. At the top, there's a navigation bar with tabs for 'Explore' and 'My Hub'. The main area features a large blue banner with the text 'Welcome to Docker' and 'Download the desktop application'. Below the banner are three cards: 'Create a Repository', 'Docker Hub Basics', and 'Language-Specific Guides'. A central section says 'Access the world's largest library of container images'. On the left, a sidebar lists options like 'Repositories', 'Hardened Images', 'Collaborations', 'Settings', 'Default privacy', 'Notifications', 'Billing', 'Usage', 'Pulls', and 'Storage'. On the right, there's a user profile section with a blue circular icon, the name 'luisaugustorfr', and links for 'What's new', 'My profile', 'Account settings', and 'Sign out'.

2. Faça um pull de uma imagem ubuntu



```
luisaugustorfr@vm-lubuntu-luis:~$ podman login docker.io
Authenticating with existing credentials for docker.io
Existing credentials are valid. Already logged in to docker.io
luisaugustorfr@vm-lubuntu-luis:~$ docker pull ubuntu:rolling
Emulate Docker CLI using podman. Create /etc/containers/nodocker to quiet msg.
Error: invalid reference format
luisaugustorfr@vm-lubuntu-luis:~$ docker pull ubuntu:rolling
Emulate Docker CLI using podman. Create /etc/containers/nodocker to quiet msg.
Resolved "ubuntu" as an alias (/etc/containers/registries.conf.d/shortnames.conf)
Trying to pull docker.io/library/ubuntu:rolling...
Getting image source signatures
Copying blob 9b965cd35928 done    |
Copying config 38d4707cb7 done    |
Writing manifest to image destination
38d4707cb77a6bec2b1e154549719354c90c5d7c61abc4281fceab734473d2fe
luisaugustorfr@vm-lubuntu-luis:~$
```

3. Crie um container a partir da imagem ubuntu que foi salva e o acesse com as opções -it;

```
root@fa88fddd8641:/# luisaugustorfr@vm-lubuntu-luis:~$ podman login docker.io
Authenticating with existing credentials for docker.io
Existing credentials are valid. Already logged in to docker.io
luisaugustorfr@vm-lubuntu-luis:~$ docker pull ubuntu:rolling-
Emulate Docker CLI using podman. Create /etc/containers/nodocker to quiet msg.
Error: invalid reference format
luisaugustorfr@vm-lubuntu-luis:~$ docker pull ubuntu:rolling
Emulate Docker CLI using podman. Create /etc/containers/nodocker to quiet msg.
Resolved "ubuntu" as an alias (/etc/containers/registries.conf.d/shortnames.conf)
Trying to pull docker.io/library/ubuntu:rolling...
Getting image source signatures
Copying blob 9b965cd3d5928 done  |
Copying config 38d4707cb7 done  |
Writing manifest to image destination
38d4707cb77a6bec2b1e154549719354c90c5d7ce1abc4281fceab734473d2f
luisaugustorfr@vm-lubuntu-luis:~$ docker run -it ubuntu
Emulate Docker CLI using podman. Create /etc/containers/nodocker to quiet msg.
Resolved "ubuntu" as an alias (/etc/containers/registries.conf.d/shortnames.conf)
Trying to pull docker.io/library/ubuntu:latest...
Getting image source signatures
Copying blob 20043066d3d5 done  |
Copying config c3a134f2ac done  |
Writing manifest to image destination
root@fa88fddd8641:/#
```

4. Instale no container o nginx

```
root@fa88fddd8641:/# debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based Frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 79.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (Can't locate Term/ReadLine.pm in @INC (you may need to install the Term::ReadLine module) (@INC entries checked: /etc/perl /usr/local/lib/x86_64-linux-gnu/perl/5.38.2 /usr/local/share/perl/5.38.2 /usr/lib/x86_64-linux-gnu/perl5/5.38 /usr/share/perl5 /usr/lib/x86_64-linux-gnu/perl-base /usr/lib/x86_64-linux-gnu/perl/5.38 /usr/share/perl/5.38 /usr/local/lib/site_perl) at /usr/share/perl5/Debconf/FrontEnd/Readline.pm line 8.)
debconf: falling back to frontend: Teletype
Setting up libelf1amd64:amd64 (0.190-1.1ubuntu0.1) ...
Setting up libcap2-bin (1:2.66-5ubuntu2.2) ...
Setting up libmnl0:amd64 (1:0.5-2build1) ...
Setting up libxtables12:amd64 (1:8.10-3ubuntu2) ...
Setting up libpam-cap:amd64 (1:2.66-5ubuntu2.2) ...
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 79.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (Can't locate Term/ReadLine.pm in @INC (you may need to install the Term::ReadLine module) (@INC entries checked: /etc/perl /usr/local/lib/x86_64-linux-gnu/perl/5.38.2 /usr/local/share/perl/5.38.2 /usr/lib/x86_64-linux-gnu/perl5/5.38 /usr/share/perl5 /usr/lib/x86_64-linux-gnu/perl-base /usr/lib/x86_64-linux-gnu/perl/5.38 /usr/share/perl/5.38 /usr/local/lib/site_perl) at /usr/share/perl5/Debconf/FrontEnd/Readline.pm line 8.)
debconf: falling back to frontend: Teletype
Setting up libbpfi:amd64 (1:1.3.0-2build2) ...
Setting up iproute2 (6.1.0-1ubuntu6.2) ...
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 79.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (Can't locate Term/ReadLine.pm in @INC (you may need to install the Term::ReadLine module) (@INC entries checked: /etc/perl /usr/local/lib/x86_64-linux-gnu/perl/5.38.2 /usr/local/share/perl/5.38.2 /usr/lib/x86_64-linux-gnu/perl5/5.38 /usr/share/perl5 /usr/lib/x86_64-linux-gnu/perl-base /usr/lib/x86_64-linux-gnu/perl/5.38 /usr/share/perl/5.38 /usr/local/lib/site_perl) at /usr/share/perl5/Debconf/FrontEnd/Readline.pm line 8.)
debconf: falling back to frontend: Teletype
Setting up nginx (1.24.0-2ubuntu7.5) ...
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of start.
Processing triggers for libc-bin (2.39-0ubuntu8.6) ...
root@fa88fddd8641:/# nginx -v
nginx version: nginx/1.24.0 (Ubuntu)
root@fa88fddd8641:/#
```

5. Faça o commit desse container de forma a criar uma versão alterada da imagem ubuntu acrescida com o nginx;

```

Arquivo Ações Editar Exibir Ajuda
luisaugustorfr@vm-lubuntu-luis:~ 
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 79.)
debconf: falling back to frontend: Readline
debconf: unable to initialize frontend: Readline
debconf: (Can't locate Term::ReadLine.pm in @INC (you may need to install the Term::ReadLine module) (@INC entries checked: /etc/perl /usr/local/lib/x86_64-linux-gnu/perl/5.38.2 /usr/local/share/perl/5.38.2 /usr/lib/x86_64-linux-gnu/perl5/5.38 /usr/share/perl5 /usr/lib/x86_64-linux-gnu/perl-base /usr/lib/x86_64-linux-gnu/perl/5.38 /usr/share/perl/5.38 /usr/local/lib/site_perl) at /usr/share/perl5/Debconf/FrontEnd/Readline.pm line 8.)
debconf: falling back to frontend: Teletype
Setting up nginx (1.24.0-2ubuntu7.5) ...
invoke-rc.d: could not determine current runlevel
invoke-rc.d: policy-rc.d denied execution of start.
Processing triggers for libc-bin (2.39-0ubuntu8.6) ...
root@fa88fddd8641:/# nginx -v
nginx version: nginx/1.24.0 (Ubuntu)
root@fa88fddd8641:/# service nginx start
 * Starting nginx nginx
root@fa88fddd8641:/# exit
exit
luisaugustorfr@vm-lubuntu-luis:~$ docker ps -a
Emulate Docker CLI using podman. Create /etc/containers/nodocker to quiet msg.
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES
fa88fddd8641 docker.io/library/ubuntu:latest /bin/bash 8 minutes ago Exited (0) 19 seconds ago festive_matsumoto
luisaugustorfr@vm-lubuntu-luis:~$ docker commit fa88fddd8641 luisaugustorfr/ubuntu-nginx:1.0
Emulate Docker CLI using podman. Create /etc/containers/nodocker to quiet msg.
Getting image source signatures
Copying blob e8bce0aa0d68 skipped: already exists
Copying blob 0ad7702d06f done |
Copying config 8e966ff0a9 done |
Writing manifest to image destination
e9966ff0a9528addf325ced0f3cc73ae4b294e2de86ce46ef8e5bbd443c5637
luisaugustorfr@vm-lubuntu-luis:~$ docker push luisaugustorfr/ubuntu-nginx:1.0
Emulate Docker CLI using podman. Create /etc/containers/nodocker to quiet msg.
Getting image source signatures
Copying blob 0ad7702d06f done |
Copying blob 20043066d3d5 skipped: already exists
Copying config 8e966ff0a9 done |
Writing manifest to image destination
luisaugustorfr@vm-lubuntu-luis:~$ 

```

6. Faça um push dessa imagem para a sua conta no Dockerhub;

<https://hub.docker.com/repositories/luisaugustorfr>

The screenshot shows the Docker Hub 'My Hub' interface. On the left, there's a sidebar with navigation links like 'Explore', 'My Hub', 'Repositories', 'Hardened Images', 'Collaborations', 'Settings', 'Default privacy', 'Notifications', 'Billing', 'Usage', 'Pulls', and 'Storage'. The main area displays the 'luisaugustorfr/ubuntu-nginx' repository under the 'General' tab. It shows the repository was last pushed 1 minute ago, has 0 stars, and 0 forks. There are sections for 'Tags', 'Repository overview', and 'Docker commands'. The 'Tags' section lists a single tag '1.0'. The 'Repository overview' section is incomplete. To the right, there's an advertisement for 'buildcloud'.

Tag	OS	Type	Pulled	Pushed
1.0		Image	less than 1 day	2 minutes