

TECNOLOGIA EM TELEMÁTICA
ADMINISTRAÇÃO DE SISTEMA DE REDES
PROFESSOR: RICARDO DUARTE TAVEIRA
ALUNO: JOSÉ DE ALENCAR DE SOUSA JÚNIOR MATRÍCULA: 20221013020093

ATIVIDADE 6



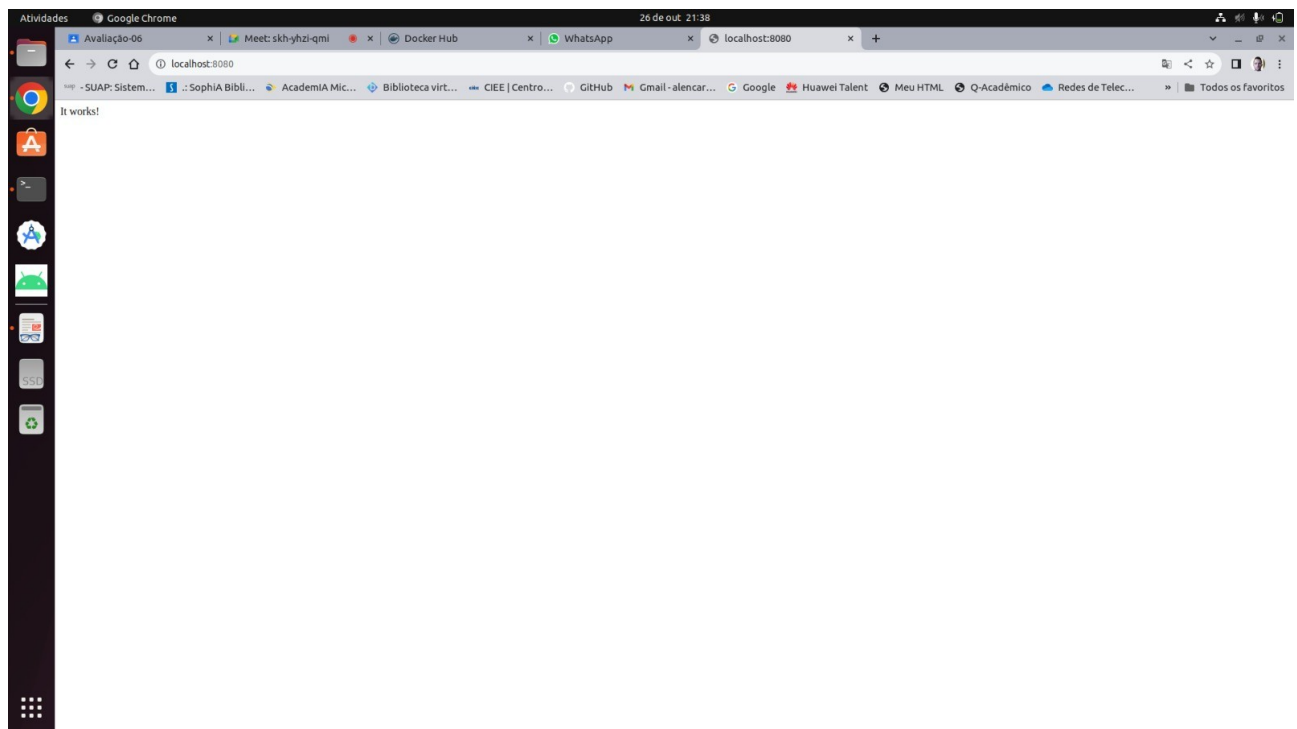
```
Atividades Terminal 26 de out. 21:19 Containers com Docker: Do desenvolvimento à produção containers.com/docker-do-desenvolvimento-a-producao.pdf 144%  
ubuntu@ubuntu-ThinkPad-T450: ~$ sudo docker search rails  
NAME DESCRIPTION STARS OFFICIAL AUTOMATED  
redmine Redmine is a flexible project management web... 1165 [OK]  
rails DEPRECATED; use "ruby" instead 988 [OK]  
bitnami/rails Bitnami container image for Ruby on Rails 33 [OK]  
paketobuildpacks/rails-assets OWASP Rails Goat. 10 [OK]  
okteto/rails-okteto/rails 0  
vulhub/rails 0  
circleci/ci-demos-rails A demo project written with Ruby on Rails de... 0  
eclipse/ubuntu_rails Ubuntu, Ruby2.3, Rails4.2.6 1 [OK]  
eclipse/ruby_rails Ubuntu + ruby and rails 0 [OK]  
unillett/caféna Rails app for creating online databases with... 0  
rails-services/sftp 0  
rails-reactor/docker-cl-ruby 0  
rails-services/store/ruby 0  
rails-services/cli 0  
rails-reactor/docker-cl-node 1  
railslove/ebicsbox ebicsbox goes docker 0  
rails-services/luentd 0  
rails-formers/ruby 0  
rails-sqlserver/activerecord-sqlserver-adapter 0  
deliveroo/rails_app_with_react_docker image containing dependencies for a base rail... 0  
rails-services/organization 0  
rails-services/iam 0  
rails-services/cognito 0  
ubuntu@ubuntu-ThinkPad-T450: ~$ sudo docker pull rails  
Using default tag: latest  
latest: Pulling from library/rails  
75a822cd7888: Pull complete  
57de64c72267: Pull complete  
4306b1e1e8943: Pull complete  
871436ab7225: Pull complete  
afb684ad7765: Pull complete  
c2807e33cf84: Pull complete  
7025772f9d60: Pull complete  
73729083bf6c: Pull complete  
7dd42782d26e: Pull complete  
6bd3d457e270: Pull complete  
4cd427c44fca: Pull complete  
Digest: sha256:aec52f681ff0e99d64174001fbdf44c3bc9e1869756dec05c447f52a0fe637e7  
Status: Downloaded newer image for rails:latest  
docker.io/library/rails:latest  
ubuntu@ubuntu-ThinkPad-T450: ~$
```

```
Atividades Terminal 26 de out. 21:38 Containers com Docker: Do desenvolvimento à produção containers-com-docker-do-desenvolvimento-a-producao.pdf 144% Q - + x

root@ubuntu-ThinkPad-T450: /home/ubuntu/Docker/topico_42

ubuntu@ubuntu-ThinkPad-T450:~$ docker run -d -p 8080:8080 -v /tmp/nginx:/usr/share/nginx/html:ro nginx
ed37be99f87b93f2b343c3091a2049cc613c797184ab0453320c1bfff75055
ubuntu@ubuntu-ThinkPad-T450:~$ curl -iL http://localhost:8080
HTTP/1.1 403 Forbidden
Server: nginx/1.18.0 (Ubuntu)
Date: Fri, 27 Oct 2023 00:29:58 GMT
Content-Type: text/html
Content-Length: 162
Connection: keep-alive

ubuntu@ubuntu-ThinkPad-T450:~$ echo "It works!" > /tmp/nginx/index.html
bash: /tmp/nginx/index.html: Permissão negada
ubuntu@ubuntu-ThinkPad-T450:~$ sudo echo "It works!" > /tmp/nginx/index.html
bash: /tmp/nginx/index.html: Permissão negada
ubuntu@ubuntu-ThinkPad-T450:~$ sudo su
root@ubuntu-ThinkPad-T450:/home/ubuntu# echo "It works!" > /tmp/nginx/index.html
root@ubuntu-ThinkPad-T450:/home/ubuntu# echo "It works!" > /tmp/nginx/index.html
root@ubuntu-ThinkPad-T450:/home/ubuntu# curl http://localhost:8080
It works!
root@ubuntu-ThinkPad-T450:/home/ubuntu# ls -l
total 328
drwxrwxr-x 3 ubuntu ubuntu 4096 out 15 20:11 'Android'
drwxrwxr-x 2 ubuntu ubuntu 4096 out 15 21:30 'Área de Trabalho'
drwxrwxr-x 3 ubuntu ubuntu 4096 out 18 20:37 'Docker'
drwxr-xr-x 2 ubuntu ubuntu 4096 out 14 05:40 'Documentos'
drwxr-xr-x 2 ubuntu ubuntu 4096 out 26 18:38 'Downloads'
drwxr-xr-x 2 ubuntu ubuntu 4096 out 25 13:10 'Exercícios - IFC'
-rwxr-xr-x 1 ubuntu ubuntu 160429 dez 23 2022 'FOTO DE ROSTO - ALENCAR JR.jpg'
-rwxr-xr-x 1 ubuntu ubuntu 111444 mar 20 2023 'FOTO DE ROSTO - ALENCAR JR.pdf'
drwxr-xr-x 3 ubuntu ubuntu 4096 out 25 13:51 'Imagens'
drwxr-xr-x 2 ubuntu ubuntu 4096 out 14 05:40 'Modelos'
drwxr-xr-x 2 ubuntu ubuntu 4096 out 14 05:40 'Música'
drwxr-xr-x 2 ubuntu ubuntu 4096 out 14 05:40 'Público'
-rw-rw-r-- 1 ubuntu ubuntu 91 out 18 20:24 'reverse-proxy.conf'
drwxr-xr-x 7 ubuntu ubuntu 4096 out 15 20:09 'snap'
drwxrwxr-x 3 ubuntu ubuntu 4096 out 15 20:58 'TutoriaisAndroid'
drwxr-xr-x 2 ubuntu ubuntu 4096 out 14 05:40 'Vídeos'
root@ubuntu-ThinkPad-T450:/home/ubuntu# cd Docker
root@ubuntu-ThinkPad-T450:/home/ubuntu/Docker# ls -l
total 4
drwxrwxr-x 2 ubuntu ubuntu 4096 out 26 17:49 'topico_34'
root@ubuntu-ThinkPad-T450:/home/ubuntu/Docker# mkdir topico_42
root@ubuntu-ThinkPad-T450:/home/ubuntu/Docker# ls -l
total 8
drwxrwxr-x 2 ubuntu ubuntu 4096 out 26 17:49 'topico_34'
drwxr-xr-x 2 root root 4096 out 26 21:36 'topico_42'
root@ubuntu-ThinkPad-T450:/home/ubuntu/Docker# cd topico_42
root@ubuntu-ThinkPad-T450:/home/ubuntu/Docker/topico_42# ls -l
total 0
root@ubuntu-ThinkPad-T450:/home/ubuntu/Docker/topico_42#
```



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Atividades Terminal 26 de out, 21:44
Containers com Docker: Do desenvolvimento à produção
containers.com-docker-do-desenvolvimento-a-producao.pdf
144%

root@ubuntu-ThinkPad-T450: /home/ubuntu/Docker/topico_42/mysql
Dockerfile4.2

GNU nano 6.2
RUN apt-get update -qq && apt-get install -y mysql-server-5.5
ADD my.cnf /etc/mysql/conf.d/my.cnf
RUN chnod 664 /etc/mysql/conf.d/my.cnf
ADD run /usr/local/bin/run
RUN chnod +x /usr/local/bin/run
VOLUME ["/var/lib/mysql"]
EXPOSE 3306
CMD ["/usr/local/bin/run"]
```

```
Atividades Terminal 26 de out, 21:50
Containers com Docker: Do desenvolvimento à produção
containers.com-docker-do-desenvolvimento-a-producao.pdf
144%

root@ubuntu-ThinkPad-T450: /home/ubuntu/Docker/topico_42/mysql

root@ubuntu-ThinkPad-T450: /home/ubuntu/Docker# cd topoico_42
root@ubuntu-ThinkPad-T450: /home/ubuntu/Docker/topico_42# ls -l
total 0
root@ubuntu-ThinkPad-T450: /home/ubuntu/Docker/topico_42# mkdir mysql
root@ubuntu-ThinkPad-T450: /home/ubuntu/Docker/topico_42# cd mysql
root@ubuntu-ThinkPad-T450: /home/ubuntu/Docker/topico_42/mysql# nano
[-] Building 0.1s (2/2) FINISHED
=> [internal] load .dockerignore
=> transferring context: 2B
=> [internal] load build definition from Dockerfile
=> transferring dockerfile: 2B
ERROR: failed to solve: failed to read dockerfile: open /var/lib/docker/tmp/buildkit-mount1898472147/Dockerfile: no such file or directory
root@ubuntu-ThinkPad-T450: /home/ubuntu/Docker/topico_42/mysql# sudo docker run -d -p 3306:3306 -e MYSQL_ROOT_PASSWORD=xptoi234 mysql
9a02acc9a10bf74b4a1919c9f8f35d567e2f50b625c817bc364f7e0c2360cc1
root@ubuntu-ThinkPad-T450: /home/ubuntu/Docker/topico_42/mysql# mysql -h 127.0.0.1 -u root -p
Comando 'mysql' não encontrado, mas poder ser instalado com:
apt install mysql-client-core-8.0 # version 8.0.34-0ubuntu0.22.04.1, or
apt install mariadb-client-core-10.0 # version 1:10.6.12-0ubuntu0.22.04.1
root@ubuntu-ThinkPad-T450: /home/ubuntu/Docker/topico_42/mysql# apt install mysql-client-core-8.0
Lendo listas de pacotes... Pronto
Construindo árvore de dependências... Pronto
Lendo informação de estado... Pronto
Os novos pacotes a seguir serão instalados:
mysql-client-core-8.0
0 pacotes atualizados, 1 pacotes novos instalados, 0 a serem removidos e 19 não atualizados.
É preciso baixar 2.754 kB de arquivos.
Depois desta operação, 62,0 MB adicionais de espaço em disco serão usados.
Obter:: http://br.archive.ubuntu.com/ubuntu jammy-updates/main amd64 mysql-client-core-8.0 amd64 8.0.34-0ubuntu0.22.04.1 [2.754 kB]
Baixados 2.754 kB em 1s (4.067 kB/s)
A seleccionar pacote anteriormente não seleccionado mysql-client-core-8.0.
(Lendo banco de dados ... 218664 ficheiros e directorios actualmente instalados.)
A preparar para desempacotar .../mysql-client-core-8.0_8.0.34-0ubuntu0.22.04.1_and64.deb ...
A descompactar mysql-client-core-8.0 (8.0.34-0ubuntu0.22.04.1) ...
Configurando mysql-client-core-8.0 (8.0.34-0ubuntu0.22.04.1) ...
A processar 'triggers' para man-db (2.10.2-1) ...
root@ubuntu-ThinkPad-T450: /home/ubuntu/Docker/topico_42/mysql# mysql -h 127.0.0.1 -u root -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.1.0 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql>
```



```
Atividades Terminal 27 de out. 11:17
significado barra invertida x O que significa barra invertida x localhost:8080
ubuntu@ubuntu-ThinkPad-T450: -

/var/lib/mysql/mysql/slow_log.CSM
/var/lib/mysql/mysql/general_log.CSM
/var/lib/mysql/mysql/general_log.CSV
/var/lib/mysql/server-cert.pem
/var/lib/mysql/mysql.ibd
/var/lib/mysql/lib_buffer_pool
/var/lib/mysql/undo_001
/var/lib/mysql/client-cert.pem
/var/lib/mysql/#innodb_redo/#ib_redo21.tnp
/var/lib/mysql/#innodb_redo/#ib_redo37.tnp
/var/lib/mysql/#innodb_redo/#ib_redo17.tnp
/var/lib/mysql/#innodb_redo/#ib_redo23.tnp
/var/lib/mysql/#innodb_redo/#ib_redo18.tnp
/var/lib/mysql/#innodb_redo/#ib_redo26.tnp
/var/lib/mysql/#innodb_redo/#ib_redo39.tnp
/var/lib/mysql/#innodb_redo/#ib_redo35.tnp
/var/lib/mysql/#innodb_redo/#ib_redo38.tnp
/var/lib/mysql/#innodb_redo/#ib_redo19.tnp
/var/lib/mysql/#innodb_redo/#ib_redo34.tnp
/var/lib/mysql/#innodb_redo/#ib_redo11.tnp
/var/lib/mysql/#innodb_redo/#ib_redo33.tnp
/var/lib/mysql/#innodb_redo/#ib_redo20.tnp
/var/lib/mysql/#innodb_redo/#ib_redo28.tnp
/var/lib/mysql/#innodb_redo/#ib_redo13.tnp
/var/lib/mysql/#innodb_redo/#ib_redo25.tnp
/var/lib/mysql/#innodb_redo/#ib_redo22.tnp
/var/lib/mysql/#innodb_redo/#ib_redo27.tnp
/var/lib/mysql/#innodb_redo/#ib_redo36.tnp
/var/lib/mysql/#innodb_redo/#ib_redo32.tnp
/var/lib/mysql/#innodb_redo/#ib_redo24.tnp
/var/lib/mysql/#innodb_redo/#ib_redo9
/var/lib/mysql/#innodb_redo/#ib_redo40.tnp
/var/lib/mysql/#innodb_redo/#ib_redo12.tnp
/var/lib/mysql/#innodb_redo/#ib_redo31.tnp
/var/lib/mysql/#innodb_redo/#ib_redo15.tnp
/var/lib/mysql/#innodb_redo/#ib_redo30.tnp
/var/lib/mysql/#innodb_redo/#ib_redo14.tnp
/var/lib/mysql/#innodb_redo/#ib_redo29.tnp
/var/lib/mysql/#innodb_redo/#ib_redo16.tnp
/var/lib/mysql/#innodb_redo/#ib_redo30.tnp
/var/lib/mysql/undo_002
/var/lib/mysql/ca.pem
/var/lib/mysql/public_key.pem
/var/lib/mysql/binlog.000001
/var/lib/mysql/#ib_16384_1.dblwr
/var/lib/mysql/ibdata1
/var/lib/mysql/ibtmp1
/var/lib/mysql/sys/
/var/lib/mysql/sys/sys_config.tld
ubuntu@ubuntu-ThinkPad-T450: $
```

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Atividades Terminal 27 de out. 11:19
Containers com Docker: Do desenvolvimento à produção
containers.com/docker-do-desenvolvimento-a-producao.pdf
144%
ubuntu@ubuntu-ThinkPad-T450: -

/var/lib/mysql/sys/sys_config.tld
ubuntu@ubuntu-ThinkPad-T450: $ ls -la
total 436
drwxr-xr-x 30 ubuntu ubuntu 4096 out 25 14:04 .
drwxr-xr-x 3 root root 4096 out 14 08:36 ..
drwxrwxr-x 6 ubuntu ubuntu 4096 out 22 15:58 android
drwxrwxr-x 3 ubuntu ubuntu 4096 out 15 20:11 Android
drwxr-xr-x 2 ubuntu ubuntu 4096 out 15 21:30 'Área de Trabalho'
-rw-r--r-- 1 ubuntu ubuntu 12083 out 27 10:33 .bash_history
-rw-r--r-- 1 ubuntu ubuntu 220 out 14 08:36 .bash_logout
-rw-r--r-- 1 ubuntu ubuntu 3771 out 14 08:36 .bashrc
drwx----- 23 ubuntu ubuntu 4096 out 23 19:05 .cache
drwx----- 22 ubuntu ubuntu 4096 out 26 18:38 .config
drwxrwxr-x 4 ubuntu ubuntu 4096 out 26 21:36 Docker
drwxr-xr-x 2 ubuntu ubuntu 4096 out 14 05:40 Documentos
drwxrwxr-x 3 ubuntu ubuntu 4096 out 16 14:58 .dotnet
drwxr-xr-x 2 ubuntu ubuntu 4096 out 27 09:23 Downloads
drwxr-xr-x 2 ubuntu ubuntu 4096 out 25 13:10 Externas arr'
-rw-r--r-- 1 ubuntu ubuntu 16 out 15 21:18 .emulator_console_auth_token
-rwxr-xr-x 1 ubuntu ubuntu 160429 dez 23 2022 'FOTO DE ROSTO - ALENCAR JR.jpg'
drwxr-xr-x 1 ubuntu ubuntu 111444 mar 20 2023 'FOTO DE ROSTO - ALENCAR JR.pdf'
drwx----- 2 ubuntu ubuntu 4096 out 15 20:20 game
drwx----- 2 ubuntu ubuntu 4096 out 23 18:53 group
drwxrwxr-x 11 ubuntu ubuntu 4096 out 22 15:36 gradle
drwxr-xr-x 3 ubuntu ubuntu 4096 out 25 13:51 Images
drwxrwxr-x 4 ubuntu ubuntu 4096 out 15 20:09 Java
-rw-r--r-- 1 ubuntu ubuntu 20 out 24 18:30 .lesshtst
drwx----- 3 ubuntu ubuntu 4096 out 14 05:40 .local
drwxrwxr-x 3 ubuntu ubuntu 4096 out 15 21:08 .nd
drwxr-xr-x 2 ubuntu ubuntu 4096 out 14 05:40 Modelos
drwx----- 3 ubuntu ubuntu 4096 out 23 19:05 Mozilla
drwxr-xr-x 2 ubuntu ubuntu 4096 out 14 05:40 Música
drwx----- 3 ubuntu ubuntu 4096 out 15 12:07 .pk
-rw-r--r-- 1 ubuntu ubuntu 807 out 14 08:36 .profile
drwxr-xr-x 2 ubuntu ubuntu 4096 out 14 05:40 Público
-rw-rw-r-- 1 ubuntu ubuntu 91 out 18 20:24 reverse-proxy.conf
drwx----- 7 ubuntu ubuntu 4096 out 15 20:09 snap
drwx----- 2 ubuntu ubuntu 4096 out 16 15:03 .ssh
-rw-r--r-- 1 ubuntu ubuntu 0 out 15 19:19 .sudo_as_admin_successful
drwx----- 6 ubuntu ubuntu 4096 out 23 19:05 .thunderbird
drwxrwxr-x 3 ubuntu ubuntu 4096 out 15 20:58 TutoriaisAndroid
drwxr-xr-x 2 ubuntu ubuntu 4096 out 14 05:40 videos
drwxrwxr-x 4 ubuntu ubuntu 4096 out 16 11:54 .vscode
-rw-rw-r-- 1 ubuntu ubuntu 170 out 15 19:56 .wget-hsts
ubuntu@ubuntu-ThinkPad-T450: $
```