



# DEVOPS TOOLS & CLOUD COMPUTING

JOÃO CARLOS MENK

Checkpoint 02

25/04/2024

## Dockerfile

Gabriel Sampaio

**RM 552342**

Gabriel Neves

**RM 552244**

Livia Freitas

**RM 99892**

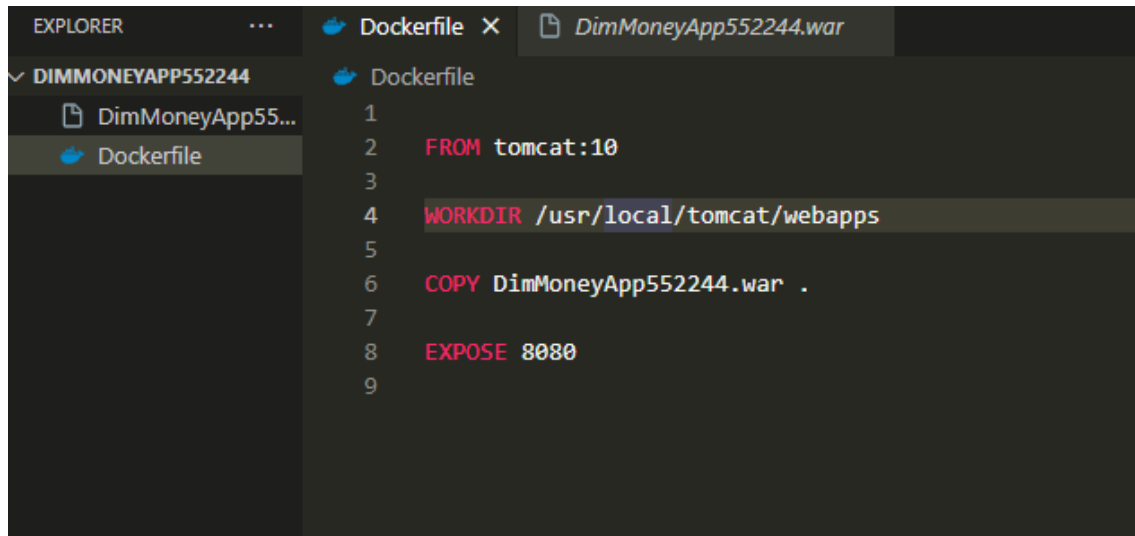
Renato Romeu

**RM 551325**

# 1) Desafio Java

Repositório: <https://github.com/freitaslivia/java-deploy-taqui>

→ Print do Dockerfile criado:

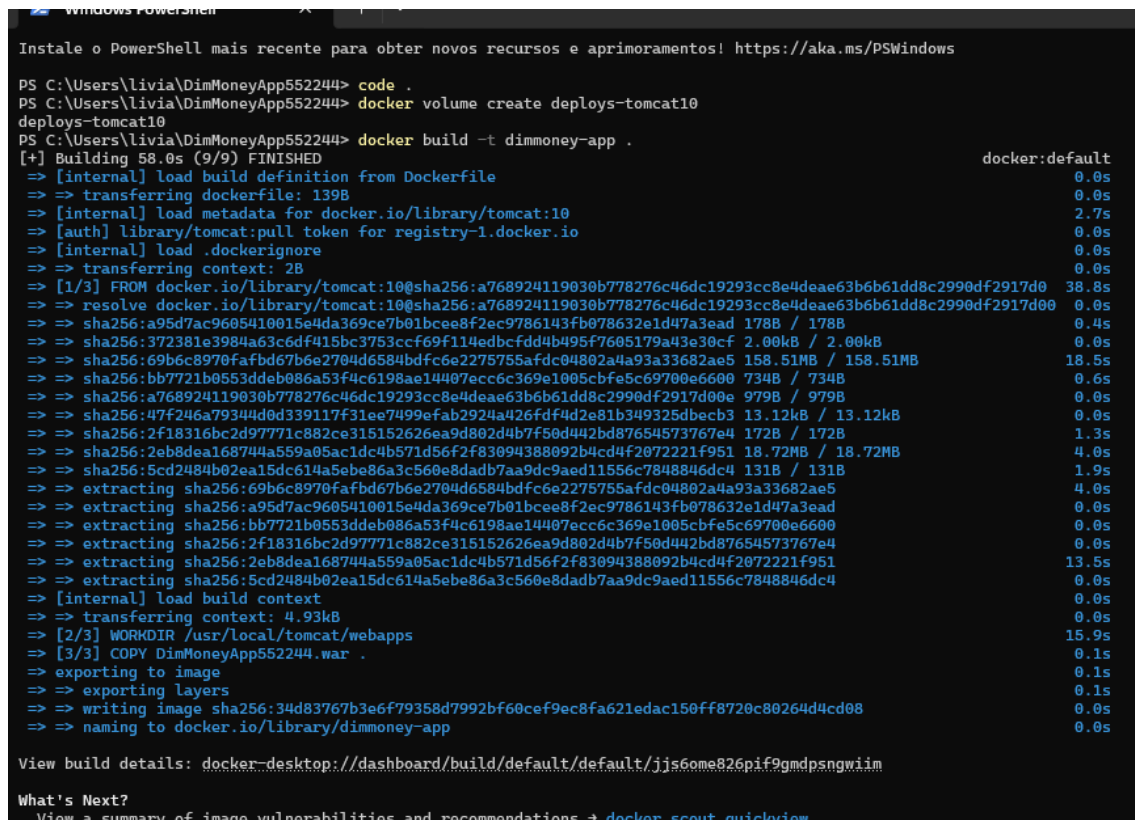


```
EXPLORER  ...  Dockerfile X  DimMoneyApp552244.war

DIMMONEYAPP552244
  DimMoneyApp55...
  Dockerfile

Dockerfile
1
2 FROM tomcat:10
3
4 WORKDIR /usr/local/tomcat/webapps
5
6 COPY DimMoneyApp552244.war .
7
8 EXPOSE 8080
9
```

→ Print da tela da criação da imagem com sucesso (um print do terminal):



```
Windows PowerShell

Instale o PowerShell mais recente para obter novos recursos e aprimoramentos! https://aka.ms/PSWindows

PS C:\Users\livia\DimMoneyApp552244> code .
PS C:\Users\livia\DimMoneyApp552244> docker volume create deploys-tomcat10
deploys-tomcat10
PS C:\Users\livia\DimMoneyApp552244> docker build -t dimmoney-app .
[+] Building 58.0s (9/9) FINISHED                                docker:default
=> [internal] load build definition from Dockerfile              0.0s
=> => transferring dockerfile: 139B                               0.0s
=> [internal] load metadata for docker.io/library/tomcat:10      2.7s
=> [auth] library/tomcat:pull token for registry-1.docker.io     0.0s
=> [internal] load .dockerignore                                  0.0s
=> => transferring context: 2B                                       0.0s
=> [1/3] FROM docker.io/library/tomcat:10@sha256:a768924119030b778276c46dc19293cc8e4dae63b6b61dd8c2990df2917d0 38.8s
=> => resolve docker.io/library/tomcat:10@sha256:a768924119030b778276c46dc19293cc8e4dae63b6b61dd8c2990df2917d0 0.0s
=> => sha256:a95d7ac9605410015e4da369ce7b01bcee8f2ec9786143fb078632e1d47a3ead 178B / 178B 0.4s
=> => sha256:372381e3984a63c6df415bc3753ccf69f114edbcfd44b495f7605179a43e30cf 2.00kB / 2.00kB 0.0s
=> => sha256:69b6c8970fafbd67b6e2704d6584bdfc6e2275755afdc04802a4a93a33682ae5 158.51MB / 158.51MB 18.5s
=> => sha256:bb7721b0553ddeb086a53f4c6198ae14407ecc6c369e1005cbfe5c69700e6600 734B / 734B 0.6s
=> => sha256:a768924119030b778276c46dc19293cc8e4dae63b6b61dd8c2990df2917d00e 979B / 979B 0.0s
=> => sha256:47f246a79344d0d339117f31ee7499efab2924a426dfd4d2e81b349325dbecb3 13.12kB / 13.12kB 0.0s
=> => sha256:2f18316bc2d97771c882ce315152626ea9d802d4b7f50d442bd87654573767e4 172B / 172B 1.3s
=> => sha256:2eb8dea168744a559a05ac1dc4b571d56f2f83094388092b4cd4f2072221f951 18.72MB / 18.72MB 4.0s
=> => sha256:5cd2484b02ea15dc614a5ebe86a3c560e8dadb7aa9dc9aed11556c7848846dc4 131B / 131B 1.9s
=> => extracting sha256:69b6c8970fafbd67b6e2704d6584bdfc6e2275755afdc04802a4a93a33682ae5 4.0s
=> => extracting sha256:a95d7ac9605410015e4da369ce7b01bcee8f2ec9786143fb078632e1d47a3ead 0.0s
=> => extracting sha256:bb7721b0553ddeb086a53f4c6198ae14407ecc6c369e1005cbfe5c69700e6600 0.0s
=> => extracting sha256:2f18316bc2d97771c882ce315152626ea9d802d4b7f50d442bd87654573767e4 0.0s
=> => extracting sha256:2eb8dea168744a559a05ac1dc4b571d56f2f83094388092b4cd4f2072221f951 13.5s
=> => extracting sha256:5cd2484b02ea15dc614a5ebe86a3c560e8dadb7aa9dc9aed11556c7848846dc4 0.0s
=> [internal] load build context                                  0.0s
=> => transferring context: 4.93kB                                   0.0s
=> [2/3] WORKDIR /usr/local/tomcat/webapps                       15.9s
=> [3/3] COPY DimMoneyApp552244.war .                             0.1s
=> => exporting to image                                             0.1s
=> => exporting layers                                              0.1s
=> => writing image sha256:34d83767b3e6f79358d7992bf60cef9ec8fa621edac150ff8728c80264d4cd08 0.0s
=> => naming to docker.io/library/dimmoney-app                     0.0s

View build details: docker-desktop://dashboard/build/default/default/jjs6ome826pif9gmdpsngwiim

What's Next?
View a summary of image vulnerabilities and recommendations → docker scout quickview
```

- ➔ Print da execução do docker container run (um print do terminal com o comando executado com sucesso):

```
view a summary of image vulnerabilities and recommendations > docker scout quickview
PS C:\Users\livia\DimMoneyApp552244> docker run -d --name dimmoney552244 -v deploys-tomcat10:/usr/local/tomcat/webapps -p 8080:8080 dimmoney-app
9ad0d1f800c64c039bbc5ef88a1b5e3aef5228056c129a7cb06e8ee72a56fa54
```

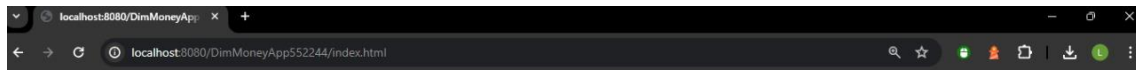
- ➔ Print do diretório: /usr/local/tomcat/webapps/ (print do terminal do Container com ls -l Não acessar pelo terminal do Docker Desktop, entrar pelo comando do Docker no terminal):

```
PS C:\Users\livia\DimMoneyApp552244> docker exec -it 9ad0d1f800c64c039bbc5ef88a1b5e3aef5228056c129a7cb06e8ee72a56fa54 /b
in/bash
root@9ad0d1f800c6:/usr/local/tomcat/webapps# ls -l
total 12
drwxr-x--- 4 root root 4096 Apr 25 17:24 DimMoneyApp552244
-rwxr-xr-x 1 root root 4877 Apr 25 17:16 DimMoneyApp552244.war
root@9ad0d1f800c6:/usr/local/tomcat/webapps# |
```

- ➔ Print do Log do Container (print do terminal. Não acessar pelo log do Docker Desktop). Pode ser somente as últimas linhas, o que couber no seu terminal:

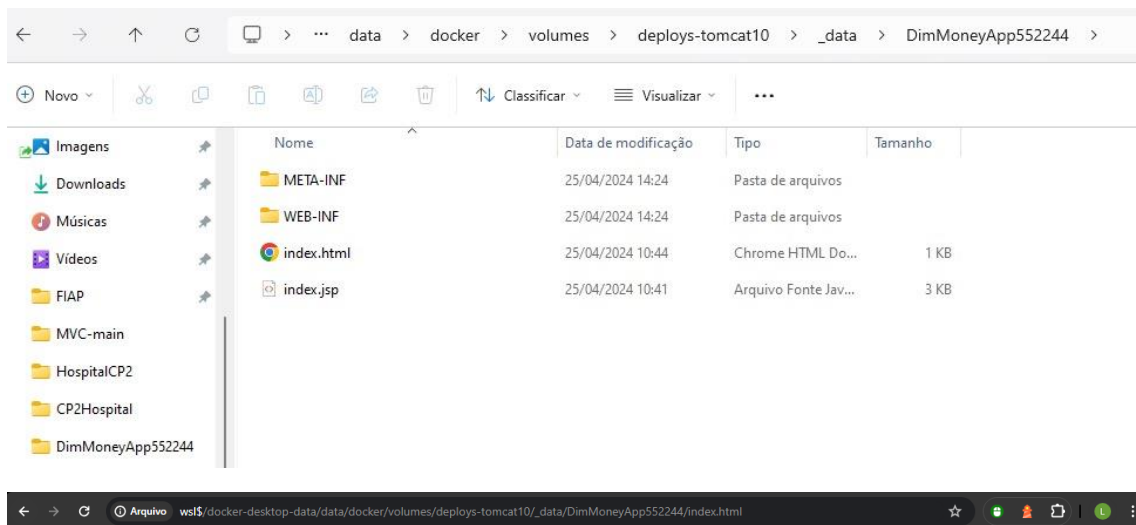
```
PS C:\Users\livia\DimMoneyApp552244> docker logs dimmoney552244
25-Apr-2024 17:24:35.866 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server version name: Apache Tomcat/10.1.23
25-Apr-2024 17:24:35.880 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server built: Apr 16 2024 12:17:18 UTC
25-Apr-2024 17:24:35.881 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Server version number: 10.1.23.0
25-Apr-2024 17:24:35.881 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log OS Name: Linux
25-Apr-2024 17:24:35.881 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log OS Version: 5.15.146.1-microsoft-standard-WSL2
25-Apr-2024 17:24:35.882 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Architecture: amd64
25-Apr-2024 17:24:35.882 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Java Home: /opt/java/openjdk
25-Apr-2024 17:24:35.882 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log JVM Version: 21.0.3+9-LTS
25-Apr-2024 17:24:35.882 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log JVM Vendor: Eclipse Adoptium
25-Apr-2024 17:24:35.882 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log CATALINA_BASE: /usr/local/tomcat
25-Apr-2024 17:24:35.882 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log CATALINA_HOME: /usr/local/tomcat
25-Apr-2024 17:24:35.916 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.util.logging.config.file=/usr/local/tomcat/conf/logging.properties
25-Apr-2024 17:24:35.917 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager
25-Apr-2024 17:24:35.917 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djdk.tls.ephemeralDHKeySize=2048
25-Apr-2024 17:24:35.917 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.protocol.handler.pkgs=org.apache.catalina.webresources
25-Apr-2024 17:24:35.917 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Dorg.apache.catalina.security.SecurityListener.UMASK=0027
25-Apr-2024 17:24:35.918 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: --add-opens=java.base/java.lang=ALL-UNNAMED
25-Apr-2024 17:24:35.918 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: --add-opens=java.base/java.io=ALL-UNNAMED
25-Apr-2024 17:24:35.918 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: --add-opens=java.base/java.util=ALL-UNNAMED
25-Apr-2024 17:24:35.918 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: --add-opens=java.base/java.util.concurrent=ALL-UNNAMED
25-Apr-2024 17:24:35.918 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Dcatalina.base=/usr/local/tomcat
25-Apr-2024 17:24:35.919 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Dcatalina.home=/usr/local/tomcat
25-Apr-2024 17:24:35.919 INFO [main] org.apache.catalina.startup.VersionLoggerListener.log Command line argument: -Djava.io.tmpdir=/usr/local/tomcat/temp
25-Apr-2024 17:24:35.936 INFO [main] org.apache.catalina.core.AprLifecycleListener.lifecycleEvent Loaded Apache Tomcat Native library [2.0.7] using APR version [1.7.0].
25-Apr-2024 17:24:35.950 INFO [main] org.apache.catalina.core.AprLifecycleListener.lifecycleEvent Initializing OpenSSL successfully initialized [OpenSSL 3.0.2 15 Mar 2022]
25-Apr-2024 17:24:36.979 INFO [main] org.apache.coyote.AbstractProtocol.init Initializing ProtocolHandler ["http-nio-8080"]
25-Apr-2024 17:24:37.032 INFO [main] org.apache.catalina.startup.Catalina.load Server initialization in [1697] milliseconds
25-Apr-2024 17:24:37.146 INFO [main] org.apache.catalina.core.StandardEngine.startInternal Starting Servlet engine: [Apache Tomcat/10.1.23]
25-Apr-2024 17:24:37.250 WARNING [main] org.apache.catalina.core.StandardContext.setPath A context path must either be an empty string or start with a '/' and do not end with a '/'. The path
[/] does not meet these criteria and has been changed to []
25-Apr-2024 17:24:37.266 INFO [main] org.apache.catalina.startup.HostConfig.deployWAR Deploying web application archive [/usr/local/tomcat/webapps/DimMoneyApp552244.war]
25-Apr-2024 17:24:38.173 INFO [main] org.apache.catalina.startup.HostConfig.deployWAR Deployment of web application archive [/usr/local/tomcat/webapps/DimMoneyApp552244.war] has finished in
[988] ms
25-Apr-2024 17:24:38.182 INFO [main] org.apache.coyote.AbstractProtocol.start Starting ProtocolHandler ["http-nio-8080"]
25-Apr-2024 17:24:38.218 INFO [main] org.apache.catalina.startup.Catalina.start Server startup in [1183] milliseconds
PS C:\Users\livia\DimMoneyApp552244> |
```

- Print do Web Browser com a aplicação rodando (pegar a tela completa com o link da aplicação):



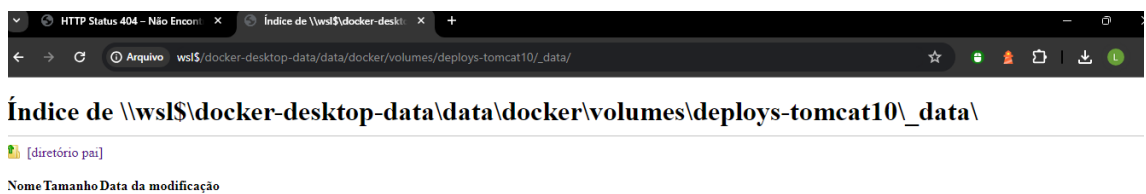
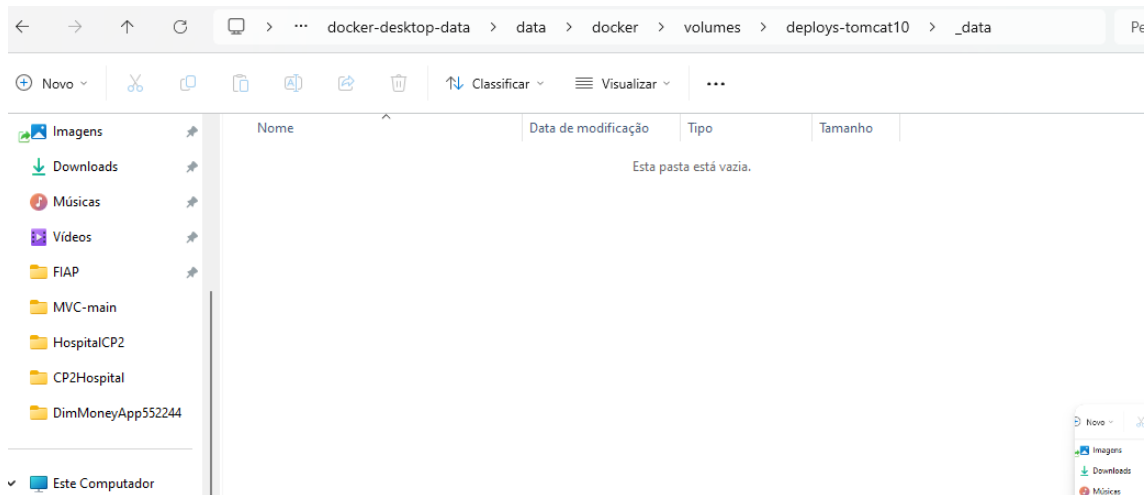
**Deploy efetuado com sucesso no Servidor Tomcat 10**

- Print do Volume em seu Host (print da tela do Windows Explorer ou Console para Mac/Linux) com o Deploy efetuado:

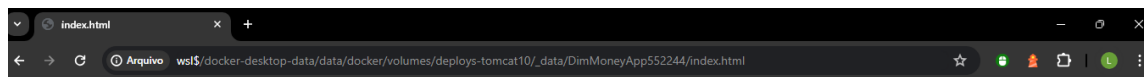


**Deploy efetuado com sucesso no Servidor Tomcat 10**

- ➔ Print do Volume em seu Host (print da tela do Windows Explorer ou Console para Mac/Linux) com o Undeploy efetuado



- ➔ Print do Volume em seu Host (print da tela do Windows Explorer ou Console para Mac/Linux) com o Redeploy efetuado



Deploy efetuado com sucesso no Servidor Tomcat 10. Bom trabalho!

← → ↑ ↻ 🖨 > ... data > docker > volumes > deploys-tomcat10 > \_data > DimMoneyApp552244 >

Novo ▾	✂	📄	📁	🔍	🗑	↕ Classificar ▾	☰ Visualizar ▾	...
Documentos	📁	Nome	^	Data de modificação	Tipo	Tamanho		
Imagens	📁	META-INF		25/04/2024 18:30	Pasta de arquivos			
Downloads	📁	WEB-INF		25/04/2024 18:30	Pasta de arquivos			
Músicas	📁	index.html		25/04/2024 15:20	Chrome HTML Do...	1 KB		
Vídeos	📁	index.jsp		25/04/2024 10:41	Arquivo Fonte Jav...	3 KB		
FIAP	📁							
MVC-main								
HospitalCP2								
CP2Hospital								
DimMoneyApp552244								

## **Considerações:**

*Talento vence jogos, mas só o trabalho em equipe vence campeonatos.*

**Michael Jordan**