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# Delphi Academy

Dicas rápidas, truques e técnicas



## Aplicativos Delphi em Containers Windows

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# AGENDA

- Docker para Windows
- Primeira Imagem Windows
- Um Dockerfile com PAServer
- Recursos Adicionais

# DOCKER PARA WINDOWS

- O Docker Desktop para Windows requer o Microsoft Hyper-V
- O instalador do Docker Desktop ativa o Hyper-V, se necessário
- Quando o Hyper-V está habilitado, o VirtualBox deixa de funcionar
- É possível utilizar o Azure para testes com o Docker
- <https://docs.docker.com/docker-for-windows/>
- <https://docs.docker.com/docker-for-windows/install/>

About Docker

Discover Docker Enterprise Edition

Settings...

Check for Updates...

Diagnose and Feedback...

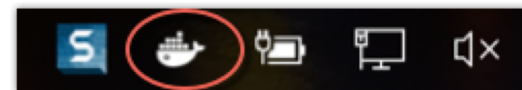
Switch to Windows containers...

Docker Store

Documentation

Kitematic

Quit Docker



# PRIMEIRA IMAGEM WINDOWS

- `docker pull microsoft/windowsservercore`
- `docker run -it microsoft/windowsservercore`
- <https://hub.docker.com/search?q=windows&type=image>

# UM DOCKERFILE COM PASERVER

- Em uma nova pasta, criar um arquivo nomeado como Dockerfile com o seguinte conteúdo:

```
FROM microsoft/windowsservercore
ADD install-paserver.bat /paserver/install-paserver.bat
ADD http://altd.embarcadero.com/releases/studio/20.0/PAServer/Release1/setup_paserver.exe /paserver
WORKDIR /paserver
RUN install-paserver.bat
EXPOSE 64211
CMD ["/Program Files (x86)/Embarcadero/PAServer/20.0/paserver.exe"]
```

- `docker build -t paserverwindows .`
- `docker run -d -p 64211:64211 paserverwindows`

# UM DOCKERFILE COM PASERVER

- Windows

- [http://altd.embarcadero.com/releases/studio/20.0/PAServer/Release1/setup\\_paserver.exe](http://altd.embarcadero.com/releases/studio/20.0/PAServer/Release1/setup_paserver.exe)

- MacOS

- <http://altd.embarcadero.com/releases/studio/20.0/PAServer/Release1/PAServer20.0.pkg>

- Linux

- <http://altd.embarcadero.com/releases/studio/20.0/PAServer/Release1/LinuxPAServer20.0.tar.gz>

- Container IP Address:

- `docker ps`
- `docker inspect <container ID> ou`
- `docker inspect <container id> | grep "IPAddress"`

DEMOS

# RECURSOS ADICIONAIS

## Documentação

- <https://docs.docker.com/docker-for-windows/install/>
- <https://docs.docker.com/docker-for-windows/>
- <https://hub.docker.com/search?q=windows&type=image>

## Blogs

- <https://yeiei.net/es/depurar-aplicaciones-delphi-dentro-de-un-contenedor-de-windows-docker/>
- <https://blog.docker.com/2016/09/build-your-first-docker-windows-server-container/>
- <https://www.michaelcrump.net/part1-docker/>
- <https://blog.docker.com/2016/10/considerations-running-docker-windows-server-2016-hyper-v-vms/>
- <https://forums.docker.com/t/how-to-force-docker-for-windows-to-assign-private-and-static-ip-to-the-websites/28111/3>
- <https://stackoverflow.com/questions/17157721/how-to-get-a-docker-containers-ip-address-from-the-host>
- <https://blog.darrenjrobinson.com/azure-vm-docker-createcontainer-error-0xc0370102/>
- <https://azure.microsoft.com/en-us/blog/nested-virtualization-in-azure/>



# OBRIGADO!

## Perguntas?

Você pode me encontrar em:

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Siga-nos em

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