Building Images to Host Web Sites

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Web Site Static Files
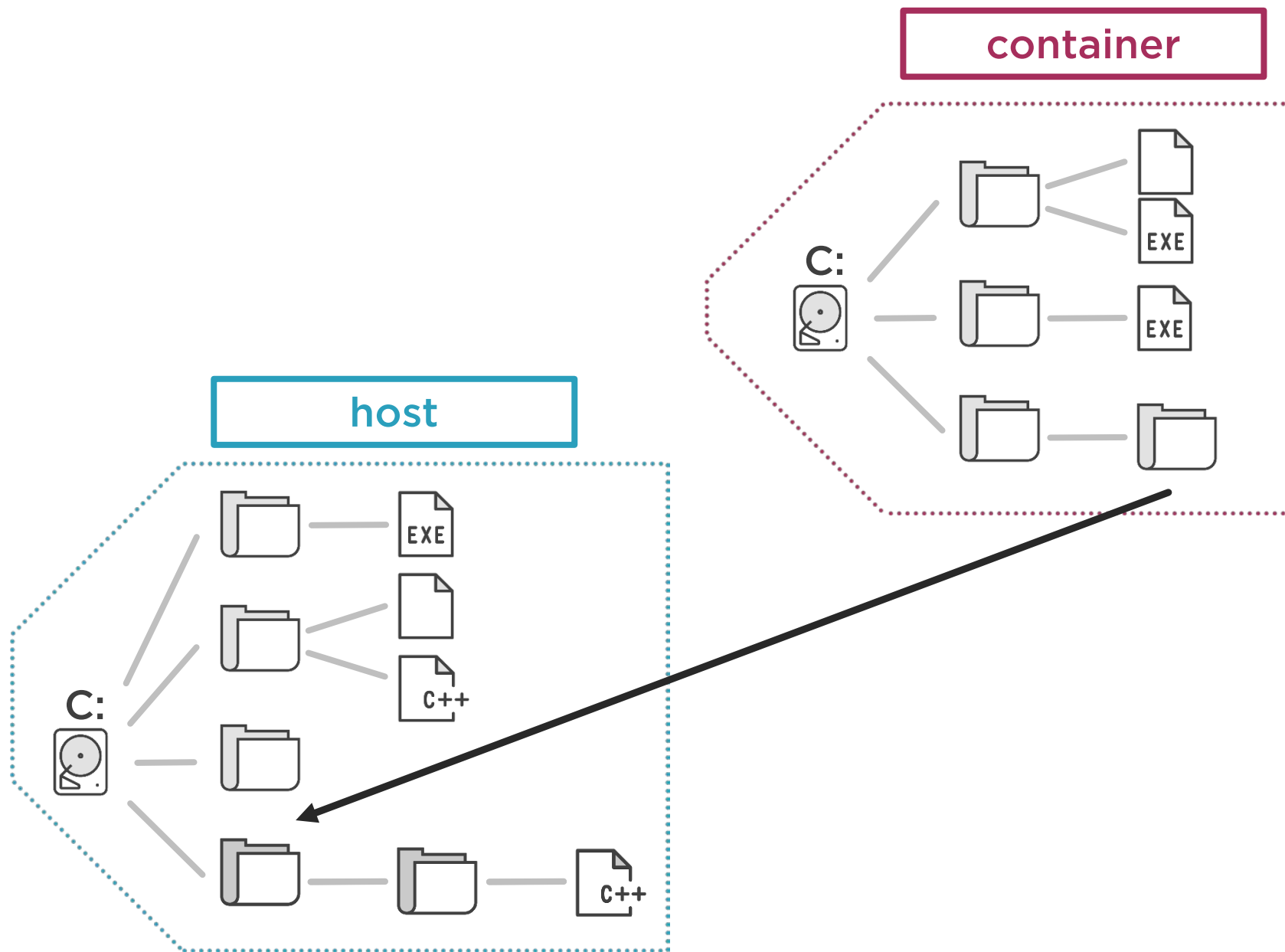
Volume mount

**Copy into the
Container File System**

Bake into an Image

container

host

nginx

OS Apps
& Libs

Mongo

OS Apps
& Libs

IIS

OS Apps
& Libs

From Commands to Dockerfile

docker run -d -p 8080:80 --name nginx nginx

docker cp .\app\. nginx:/usr/share/nginx/html

docker commit nginx solitaire:nginx

From Commands to Dockerfile

Dockerfile

```
FROM nginx

COPY app /usr/share/nginx/html
```

docker build –t solitaire:nginx .

Key Takeaways

Containers come from Images and Images come from Containers!

Container Layer – read and write

Dockerfile - script to build an image