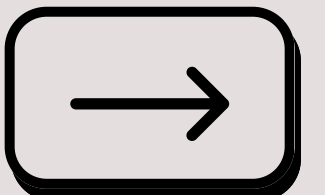
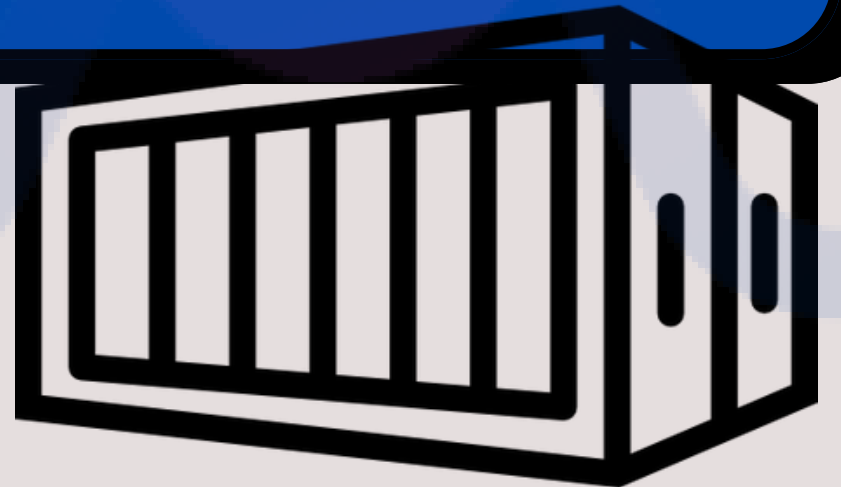


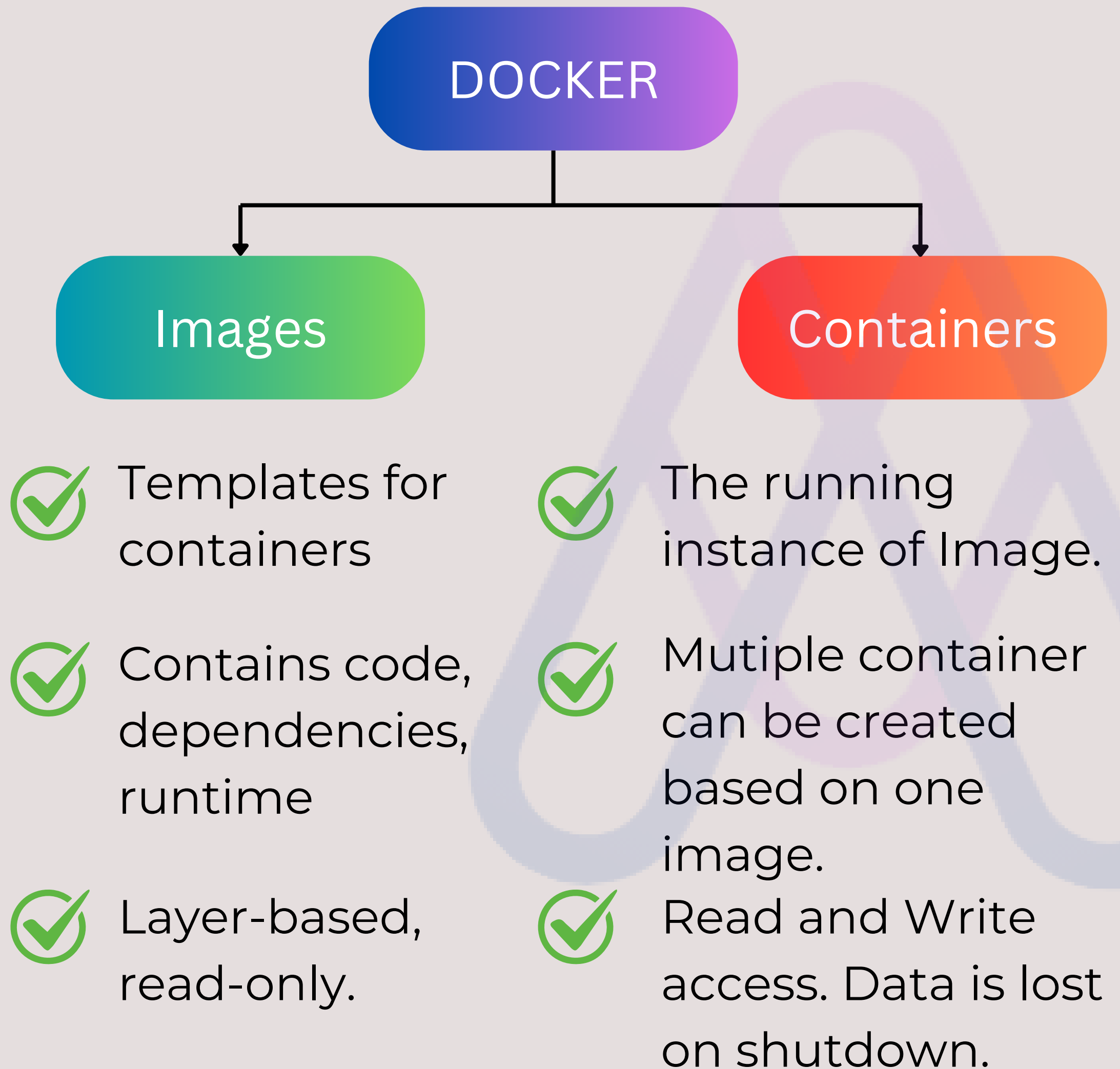


Docker Image

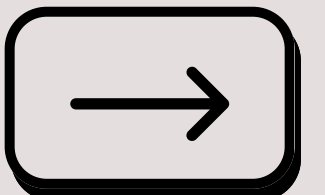
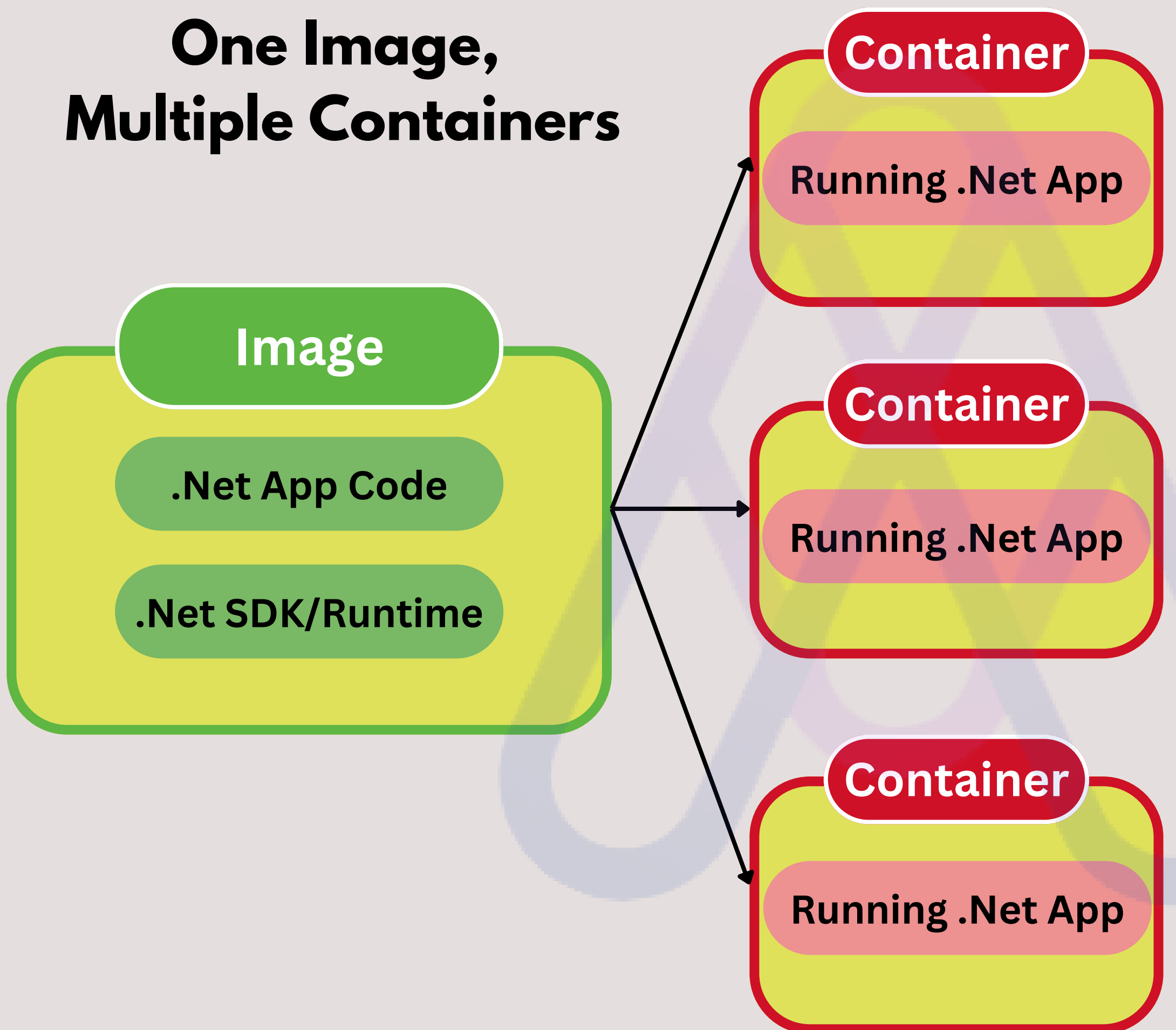
Vs

Docker Container





One Image, Multiple Containers



How to get an Image?

Use an existing, pre-built image

Create your custom image

From



Docker Hub



Microsoft Container Registry



Other private registry



Write your own Dockerfile



1

Downloading Images:

The docker pull command is used to download an image from the repository so that it is available locally.

docker pull imagename:tag

ex: docker pull node

if you don't specify tag, it will pull latest image.

docker run imagename:tag

docker run download an image from repository if it is not available locally and create and start the container.



2

Create custom Image:

docker build -t name:tag .

Dockerfile

ENTRYPOINT ["dotnet","example.dll"]

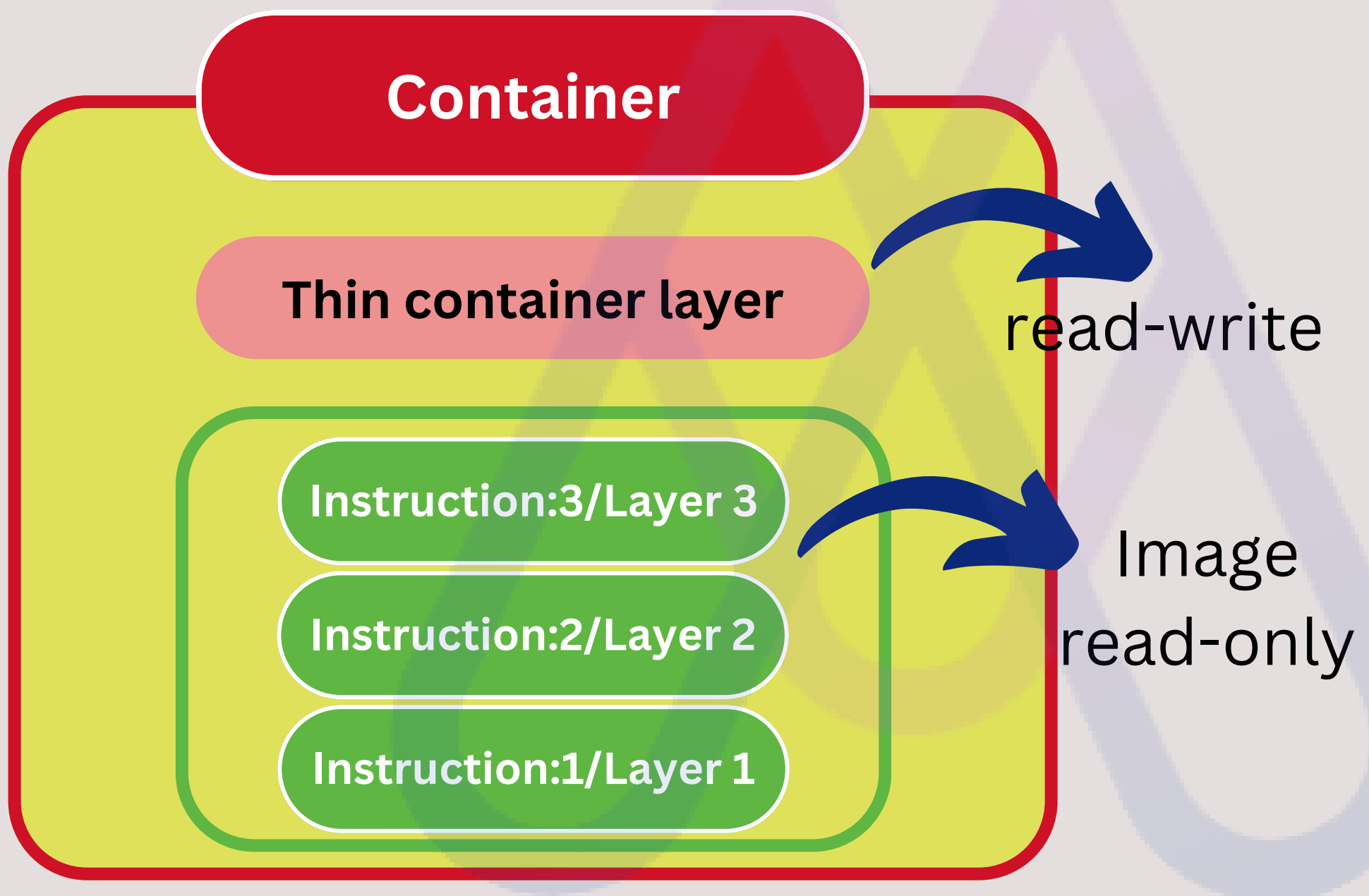
COPY ..

WORKDIR /app

**Base image from docker hub/ microsoft
registry**



Container based on Image



docker run imagename:tag



Key Commands for image:

Build an image: `docker build -t name:tag .`

Inspect an image: `docker inspect name/id`

Remove an image: `docker rmi name/id`

Remove all images: `docker image prune`

Pull an image: `docker pull name:tag`

NOTE: `docker image prune` will remove only untagged images. If you want to remove tagged images as well add `-a` with command.



Key Commands for container:

- **docker create imagename:** Create new container.
- **docker run imagename:** Create and start new container based on image.
- **docker stop containername:** Stop a running container.
- **docker start containername:** Start a stopped container.
- **docker rm containername:** Remove specified container.
- **docker container prune:** Remove all containers.

