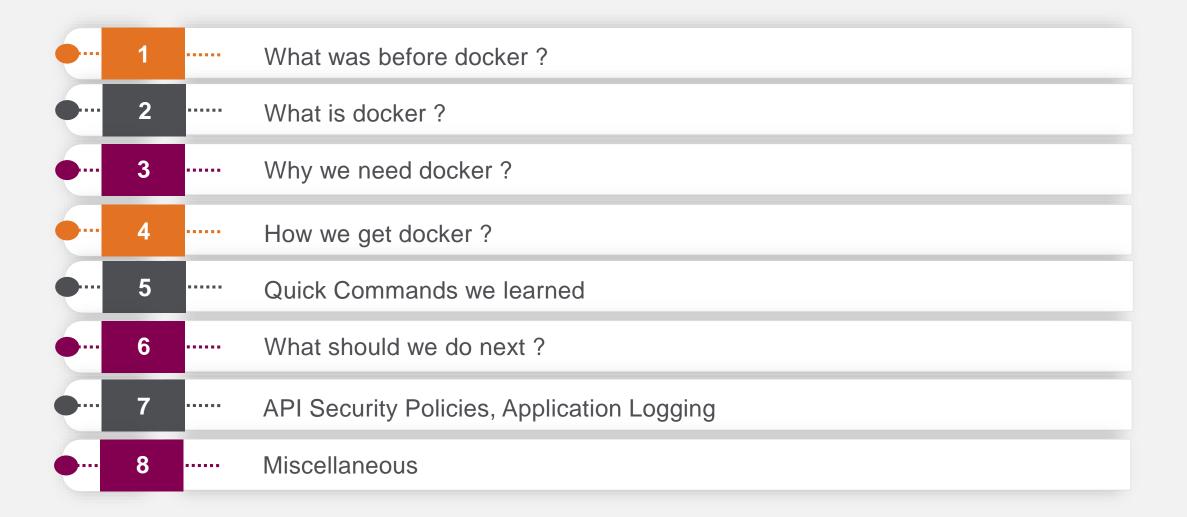
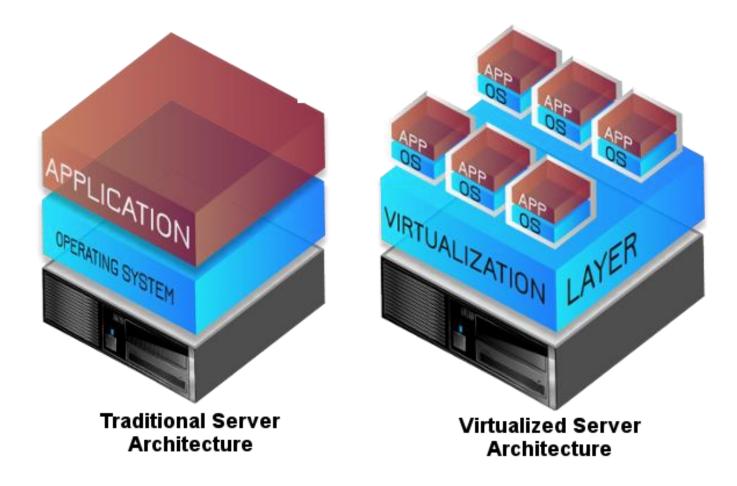


Table Of Contents



Virtualization

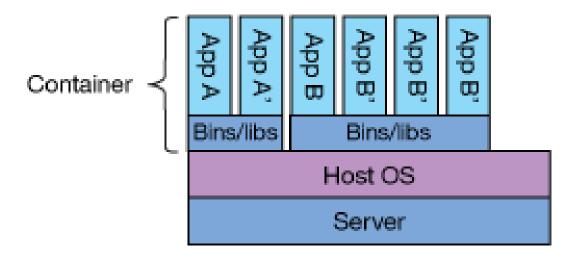




What is Container

Containers are isolated, but share OS and, where appropriate, bins/libraries

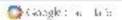
...faster, less overhead



What is a container?

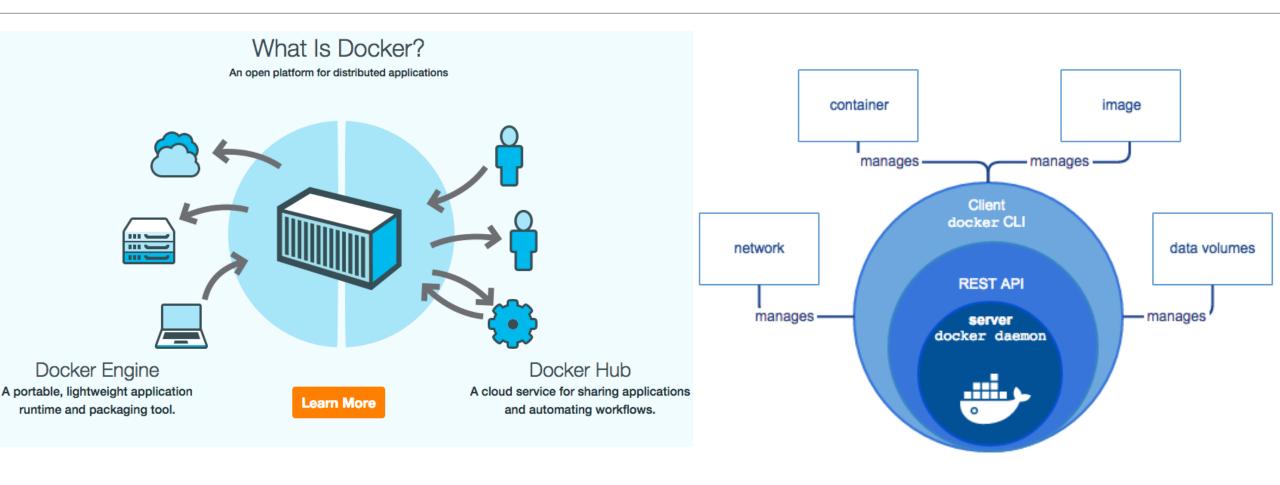
What is a container?

- Lightweight Linux environment
- Hermetically sealed, deployable application
- Introspectable, runnable artifact
- Recently popularized by Docker



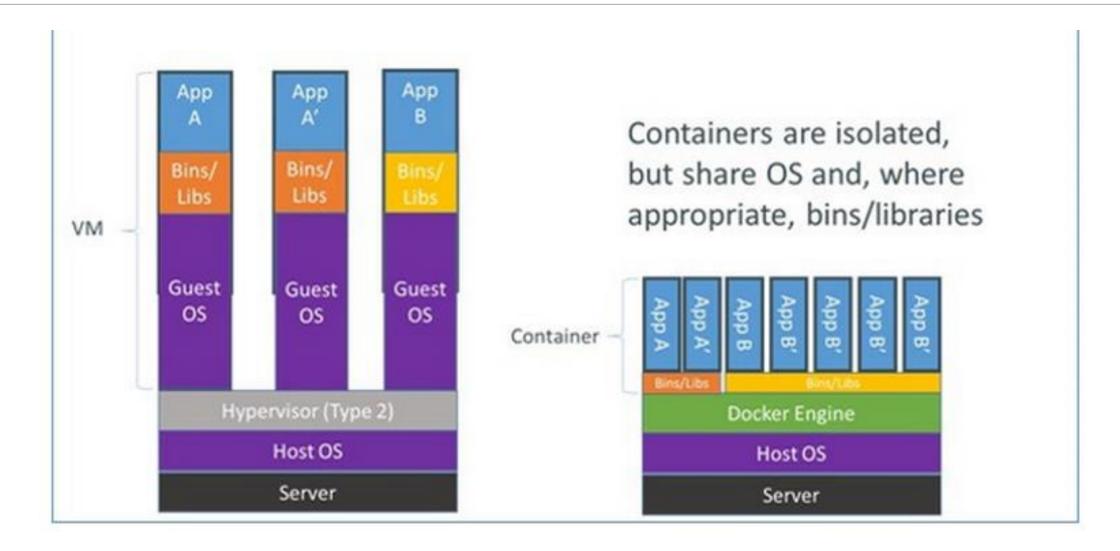


What is Docker?



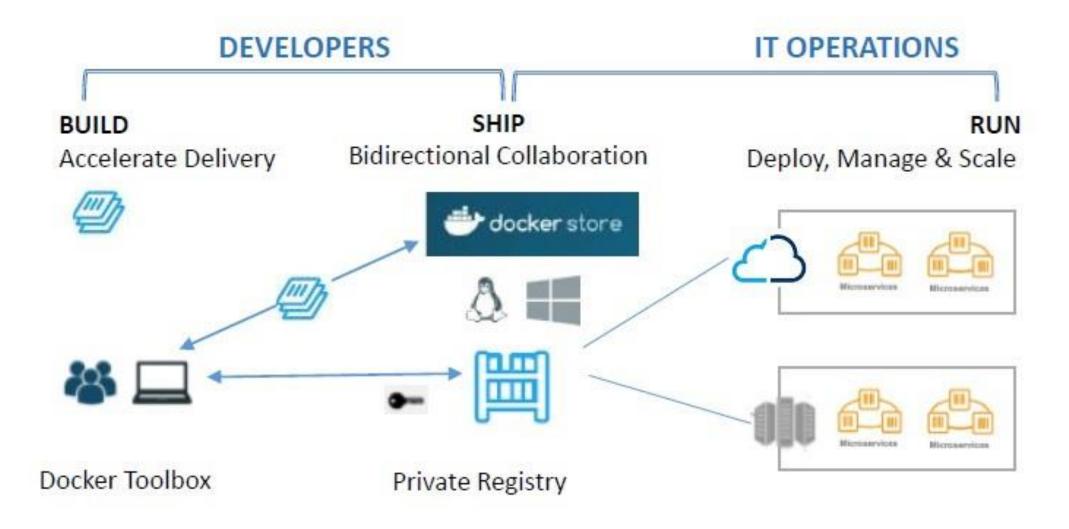


Container Vs VM





Why we need docker?



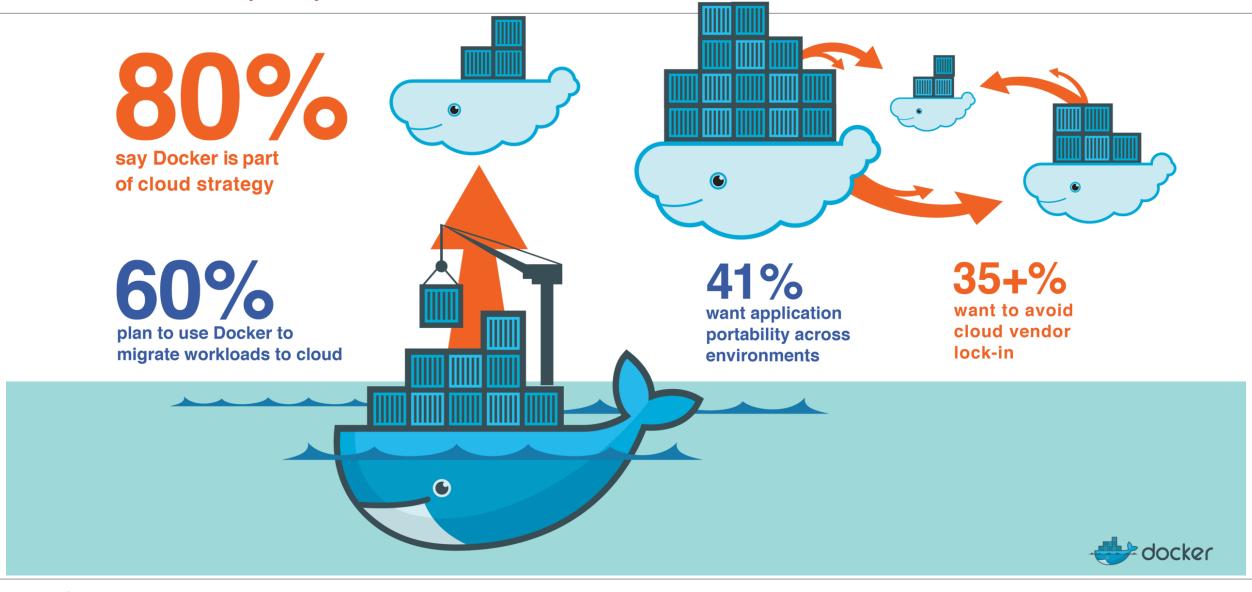


Build for any & run anywhere





What Industry say it about?





GCS

Where I start

- Decide host image (OS Stack) on which you want to host your application or bring your own image.
- You can build your own image by using existing images referred as base Images. As part of this build process you can bake in your code & configurations.
- Using an Image you can run your container.
- You can ship your image to Remote Repository like Docker Hub or Azure Container Registry(Private Registry).
- On server/host you can pull this image & run it as your container.



Now Let's Code

First Few Commands

Commands	Description
docker build -t friendlyhello .	Create image using this directory's Dockerfile
docker run -p 4000:80 friendlyhello	Run "friendlyname" mapping port 4000 to 80
docker run -d -p 4000:80 friendlyhello	# Same thing, but in detached mode
docker container Is	List all running containers
docker container Is -a	List all containers, even those not running
docker container stop <hash></hash>	Gracefully stop the specified container
docker container kill <hash></hash>	Force shutdown of the specified container
docker container rm <hash></hash>	Remove specified container from this machine
docker container rm \$(docker container Is -a - q)	Remove all containers
docker image Is -a	List all images on this machine
docker image rm <image id=""/>	Remove specified image from this machine
docker image rm \$(docker image Is -a -q)	Remove all images from this machine
docker login	# Log in this CLI session using your Docker credentials
docker tag <image/> username/repository:tag	Tag <image/> for upload to registry
docker push username/repository:tag	Upload tagged image to registry
docker run username/repository:tag	Run image from a registry
docker exec -it <containername> /bin/bash</containername>	Execute a bash shell to enter into it



Welcome to possible

Thank You