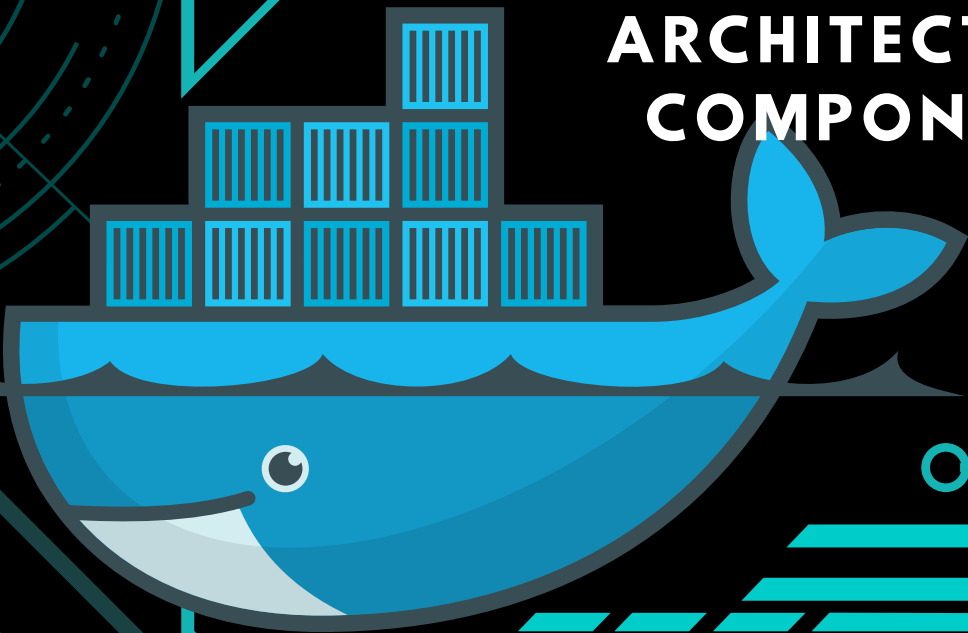


docker

7

ARCHITECTURAL
COMPONENTS

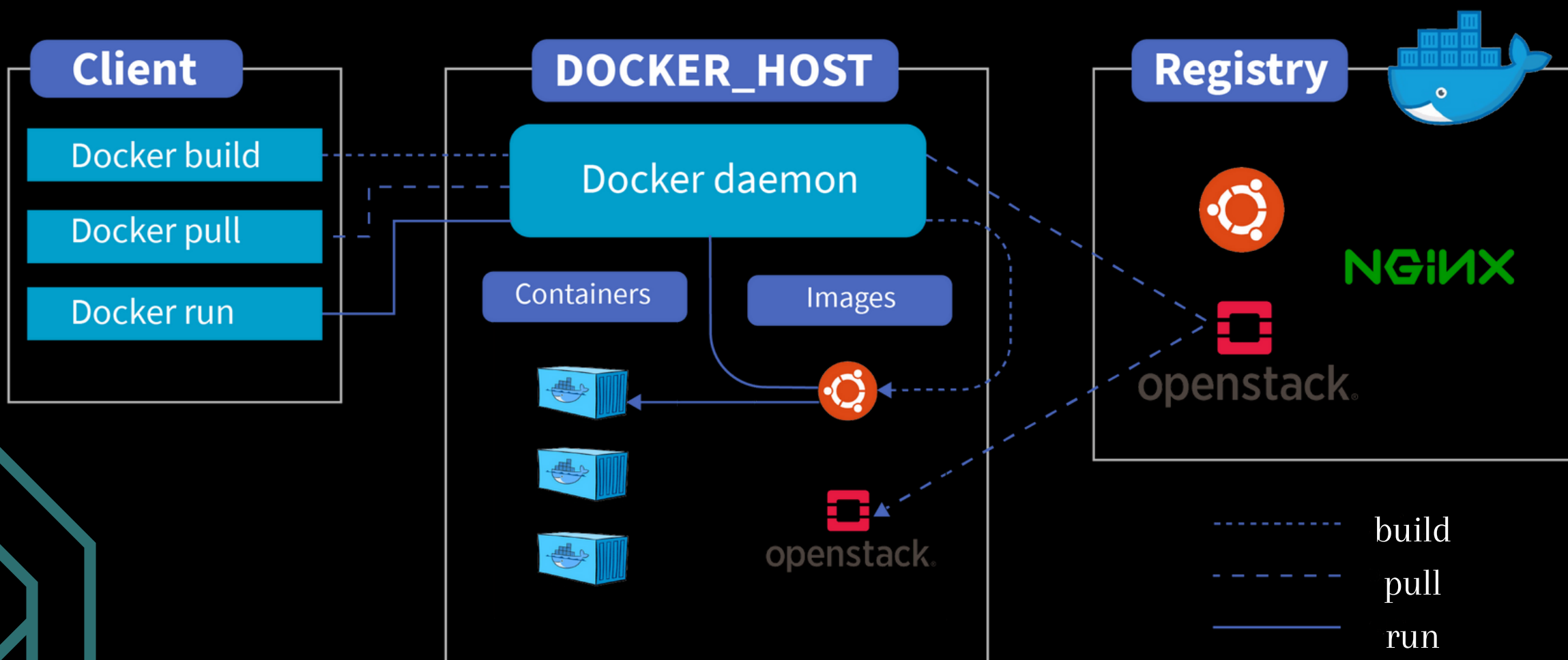
You Must know!





Architecture

docker





Docker Daemon



“

Core component of Docker which manages Docker objects such as images, containers, networks, and volumes.

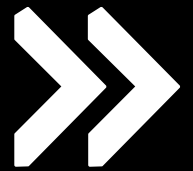
”

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Docker Client



“

Primary tool used by developers to interact with the Docker daemon. It sends commands to the Docker daemon using the Docker API.

”

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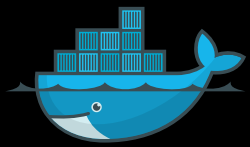
Docker Images



“

Templates that define the application and its dependencies. They are used to create Docker containers.

”



Docker Containers



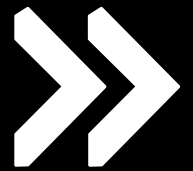
“

Running instances of Docker images. Each container is an isolated and self-contained environment that contains its application, runtime, libraries, & dependencies.

”



Docker Registries



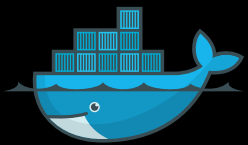
“

Storage systems that store Docker images. Docker Hub is the official Docker registry, but you can also set up your private registry to store and manage your images.

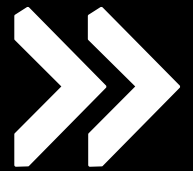
”

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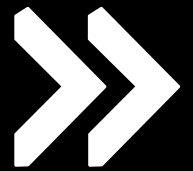


Docker Networks



“ Provide a way for Docker containers to communicate with each other. Each container can be connected to one or more networks, enabling communication between containers.





Docker Volumes

“

Provide a way for Docker containers to persist data even after the container is deleted. Volumes can be shared between containers or mounted from the host machine.

”



#CodeCravings

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