

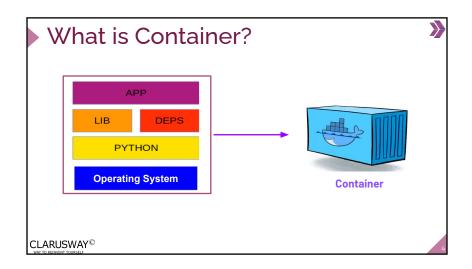
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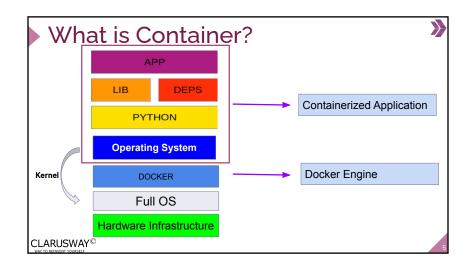
- ► Docker
- ▶ Docker Volume
- Docker Network
- ► Docker-compose

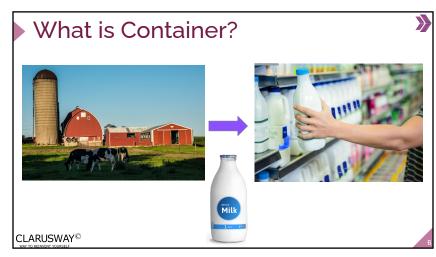
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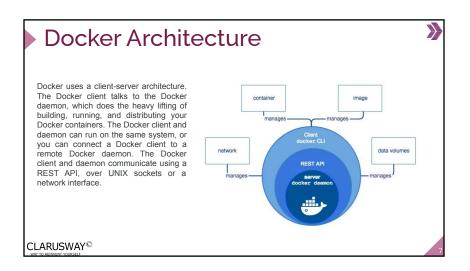
2 What is Container?

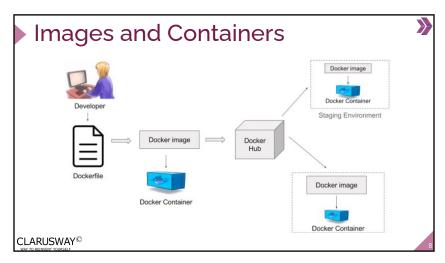
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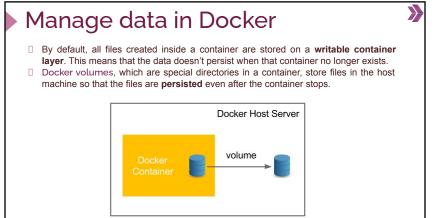












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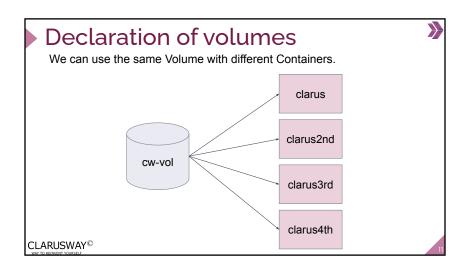
Manage data in Docker

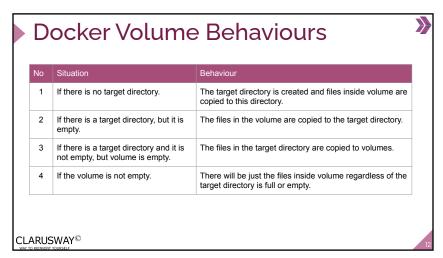
☐ When we create a volume, it is stored within a directory on the Docker host. When we mount the volume into a container, this directory is what is mounted into the container.

```
$ docker volume inspect firstvolume
[

{
    "CreatedAt": "2020-07-12T13:19:27Z",
    "Driver": "local",
    "Labels": {},
    "Mountpoint": "/var/lib/docker/volumes/firstvolume/_data",
    "Name": "firstvolume",
    "Options": {},
    "Scope": "local«
}
]
```

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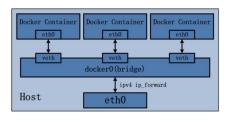




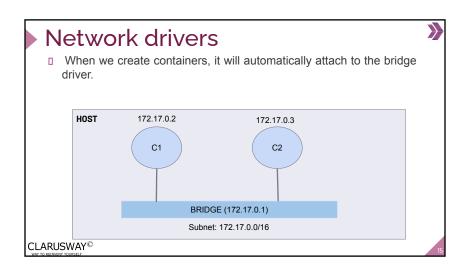
Network drivers As default, docker has three network drivers. Bridge Host none

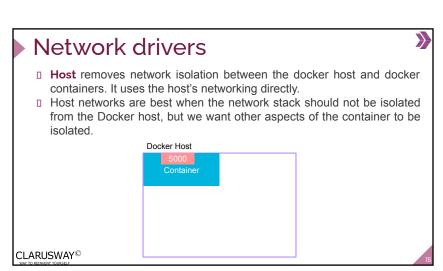
Network drivers

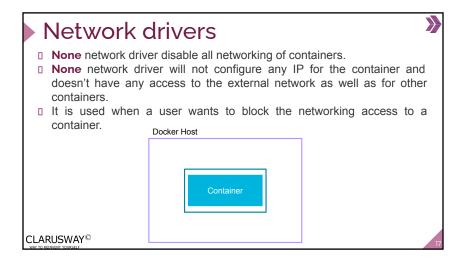
- bridge is the private default network driver. If we don't specify a driver, this is the type of network we are creating.
- When we install the docker, the Docker daemon creates virtual ethernet bridge dockero that performs the operation by automatically delivering packets among various network interfaces.

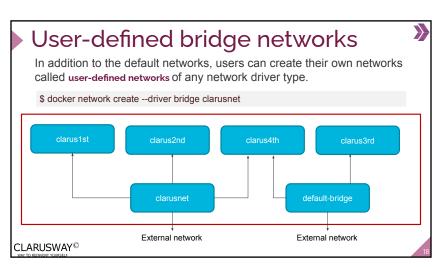


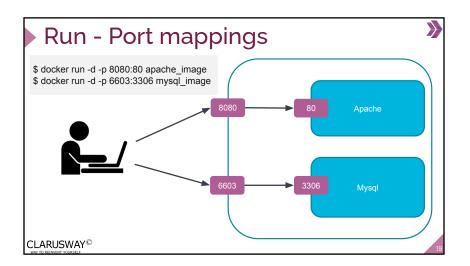
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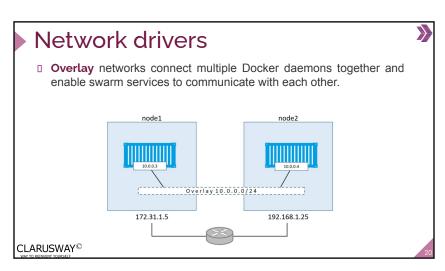






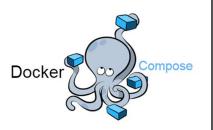






What is Docker Compose?

- □ Compose is a tool for defining and running multi-container Docker applications. With Compose, you use a YAML file to configure your application's services. Then, with a single command, you create and start all the services from your configuration.
- Compose works in all environments: production, staging, development, testing, as well as CI workflows.



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Docker Compose File

- ☐ The Compose file is a **YAML** file defining:
 - services,
 - networks
 - volumes

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☐ The default path for a Compose file is ./docker-compose.yml. version: ²³

build: .
depends_on:
 db
 db
 redis
redis:
image: redis
db:
image: postgres

version: '3.0' services: web: build: .

ports:

- "5000:5000" volumes:

- .:/code - logvolume01:/var/log

links: - redis

redis:

image: redis volumes: logvolume01: {}

edis ...

