



**WELCOME BACK  
&  
THANK YOU**



**<Creative Devs.  
Software/>**

Docker  
Bitty Byte



# MEET YOUR BITTY BYTE TEAM



**TANGY F.**  
**CEO**



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**DEVELOPER**



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**DEVELOPER**

# TODAY'S AGENDA

## TRAINING DAY 3

1

Rapid Review

2

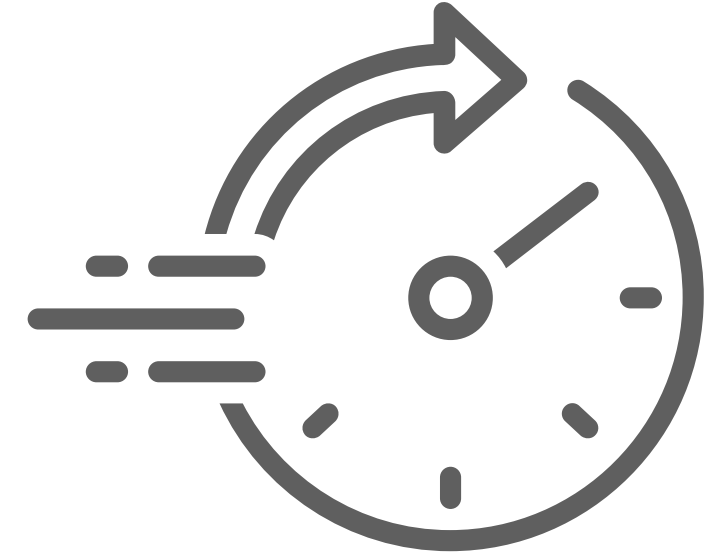
Compose

3

Rapid Trivia \* Exercise to go



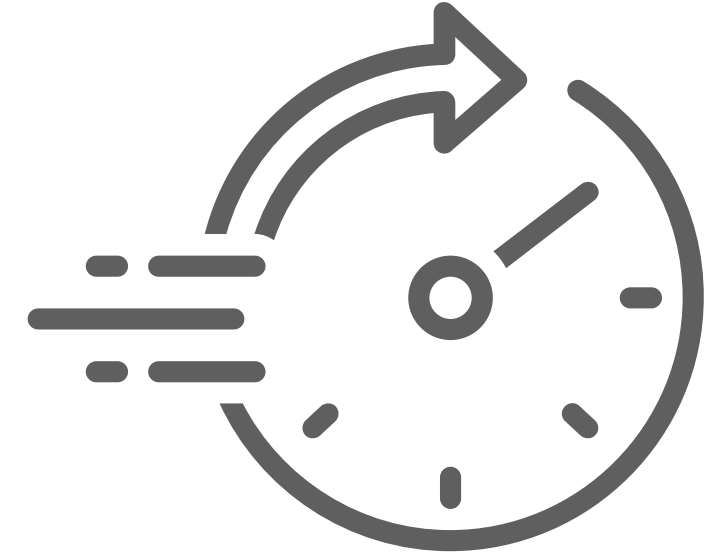
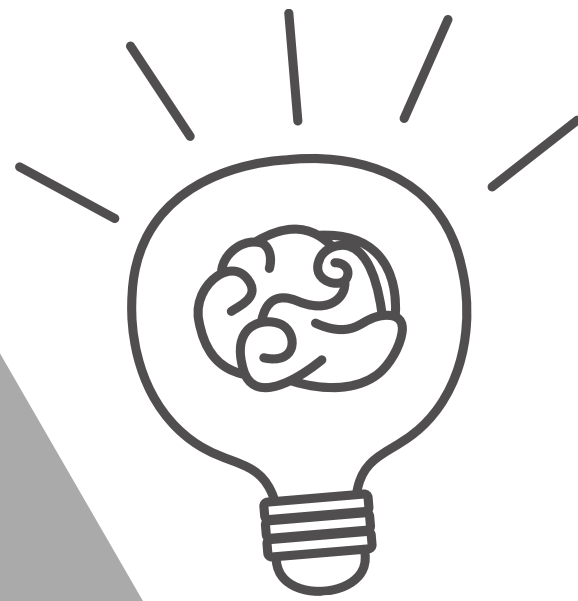
# Rapid **TRIVIA**



## Rapid Trivia

**What type of network mode in Docker allows a container to share the network namespace with the host, effectively using the host's network stack?**

# Rapid **TRIVIA**

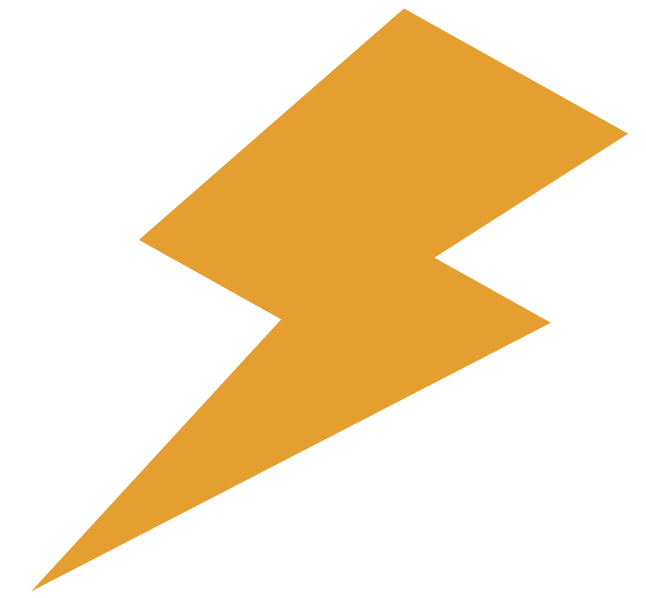


## Rapid Trivia **Host**

**The most common  
one is Bridge**

**DAY 3**

# Rapid Review

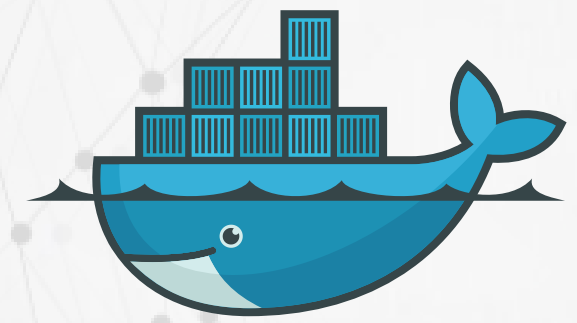




**DAY 3**

Docker-compose file

# DOCKER COMPOSE



docker

## Docker Compose File

**docker-compose.yml**

Docker Compose is a tool used for defining and running multi-container Docker applications.

**USAGE:** docker-compose COMMAND

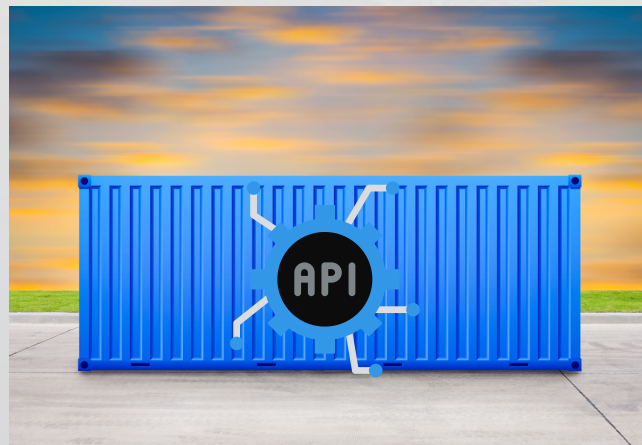
## Docker Compose File Benefits:

- 1. Container orchestration**
- 2. Consistency**
- 3. Portability**



# DOCKER COMPOSE

API



docker build/run

NoSQL



docker build/run

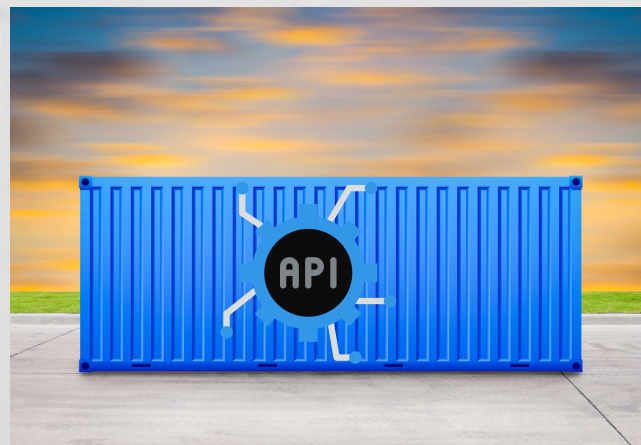
MicroService



docker build/run

# DOCKER COMPOSE

API



docker build/run

NoSQL



docker build/run

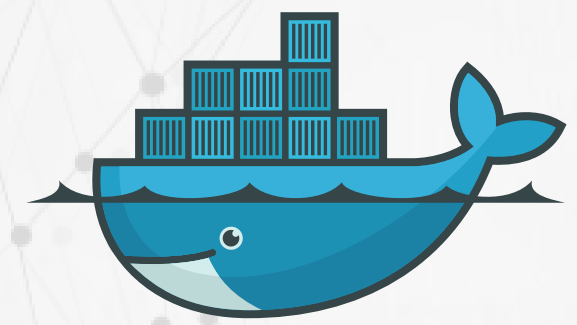
MicroService



docker build/run

Docker Compose File

# DOCKER COMPOSE



docker

## Docker Compose File

docker-compose.yml

### Common configurations:

1. **image** : Specifies the Docker image to use for the service.
2. **container\_name** : Sets a custom name for the container.
3. **ports** : Maps host ports to container ports for network access.
4. **volumes** : Defines volume mappings for data persistence or sharing.
5. **environment or env\_file** : Sets environment variables for the container.
6. **networks** : Assigns the service to one or more networks.

# TRIVA QUESTION



- ① **What configuration option in a Docker Compose file is used to map host ports to container ports for network access?**
- ② **What configuration option in a Docker Compose file allows you to set environment variables for a container, either directly or by referencing an external file?**





# TRIVIA ANSWER



① **ports**

② **a) environment  
or  
b) env\_file**



# CODING EXERCISE



**Create a second Spring Boot project and build both projects from one docker-compose.yml**

**Hint: Both sprint boot projects should be in the same directory as the docker-compose.yml**





**THANK YOU**

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**We will see you soon**

