**Lab1**

**Publishing and exposing ports**

I run a container and publish its port using the Docker CLI

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I launch the same application using Docker Compose:

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**Overriding container defaults:**

I connect a Postgres container to a custom network

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Override the default CMD and ENTRYPOINT in Docker Compose :

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**Persisting container data**

Creating Database Table:

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Checking this on Docker Desktop:

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Removing the volume postgres**\_data**:

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**Sharing local files with containers:**

creating and use a bind mount to share files between a host and a container:

checking if the website works :

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Creating index.html:

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Checking the site :

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Deleting the file from host will delete from container as well :

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**Multi-container applications**

Building images:

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Starting redis , web1 web2 and nginx containers :

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Checking the web

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Recreating the container using docker compose up -d –build with the help of compose.yml

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