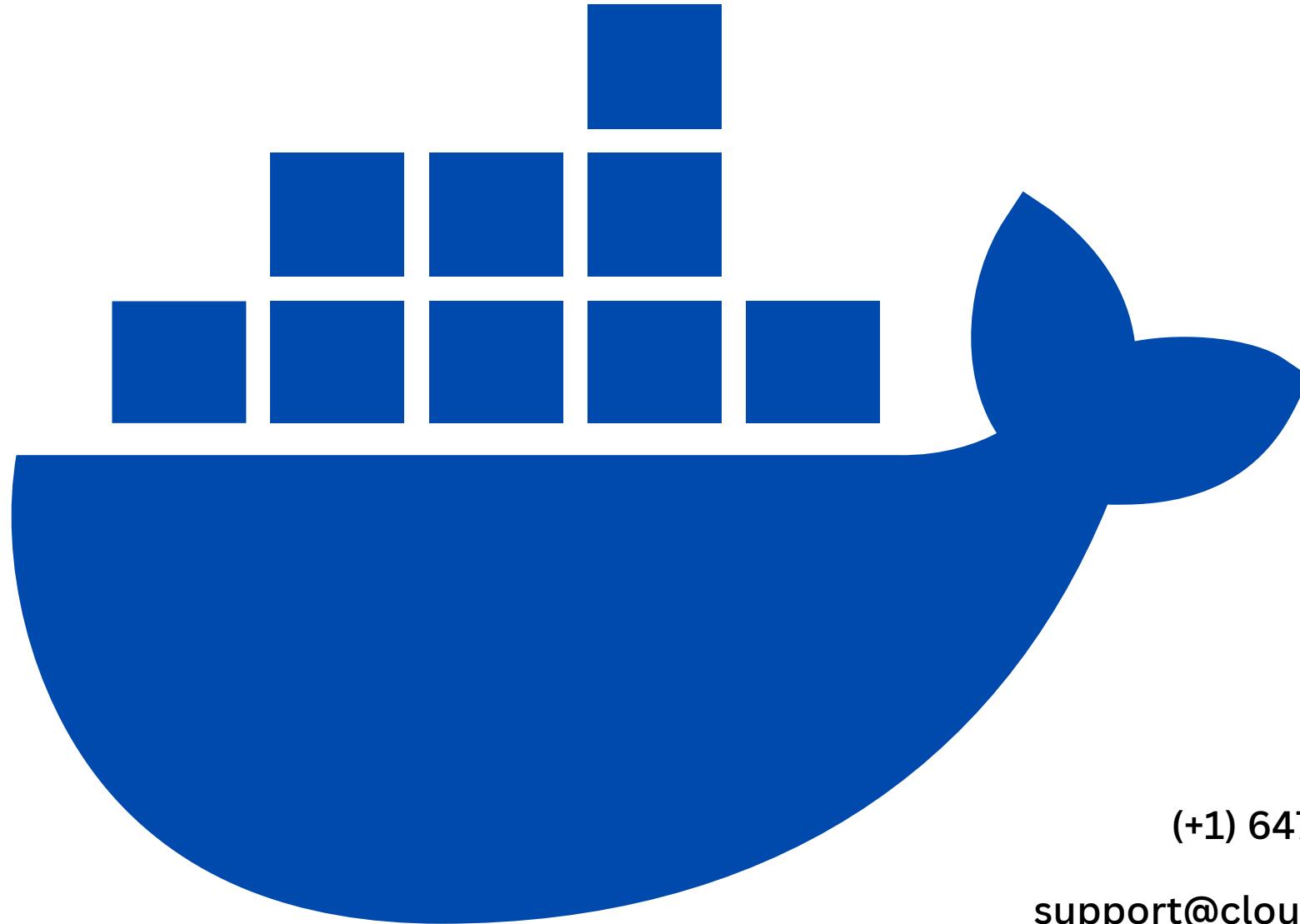




Propelling the Digital Transformation

# DOCKER GUIDE

## Part 6



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# What is a Docker Compose File?

A Docker Compose file in YAML defines a multi-container Docker application, detailing services, networks, volumes, and additional configurations.

## Docker Compose File Syntax

### version:

Specifies the Docker Compose file format version.



A terminal window with a red header bar. The header bar contains three colored dots (red, yellow, green) on the left and the word "Terminal" on the right. The main area of the terminal shows the following text:

```
version: '3.8'
```

## services:

Defines the application's services and containers.



Terminal

```
services :
```

```
  web :
```

```
    image : nginx : latest
```

## networks:

Sets up custom networks for the application.



Terminal

```
networks :
```

```
  my_network :
```

```
    driver : bridge
```

## volumes:

Specifies named volumes for the services to use.



Terminal

```
volumes :  
  my_volume :
```

## environment:

Defines environment variables for a service.

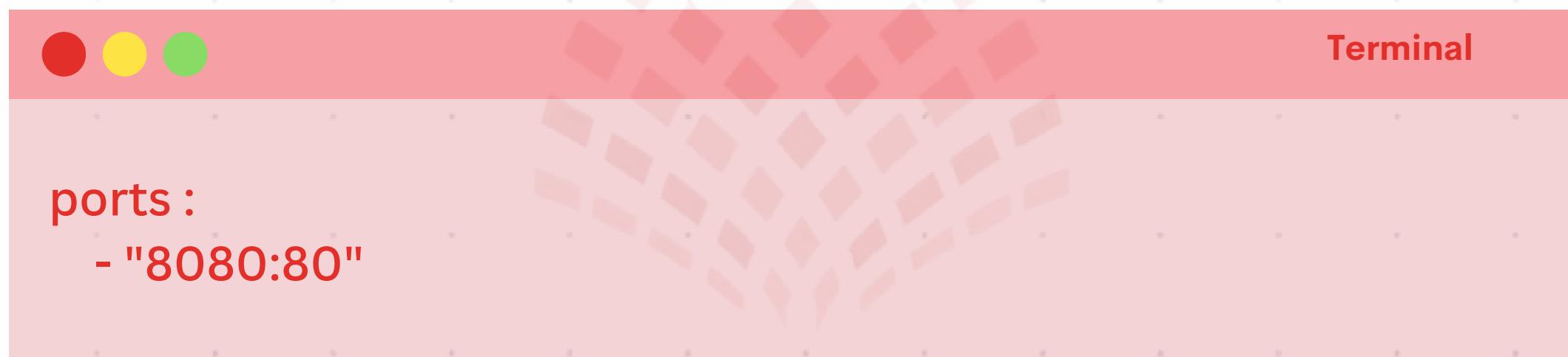


Terminal

```
environment :  
  - NODE_ENV=production
```

## ports:

Maps container ports to host ports.



## depends\_on:

Defines dependencies between services to ensure one starts before another.



## build:

Specifies the build context and Dockerfile for a service.



Terminal

```
build :  
context : .  
dockerfile : Dockerfile.dev
```

## volumes\_from:

Attaches volumes from another service or container.

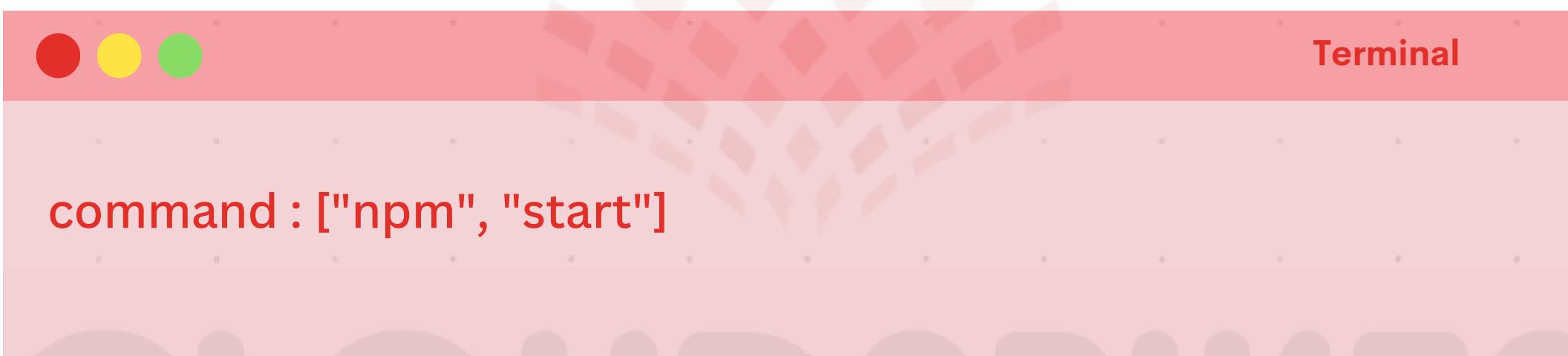


Terminal

```
volumes_from :  
- service_name
```

## command:

Replaces the default command set in the Docker image.



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Terminal

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