

Docker Networking

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

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Learning Objectives

In this tutorial, we will learn about



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- **Fundamentals of Docker networking**



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- Connecting containers and establishing communication links



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- Deleting docker network



System Requirements

To record this tutorial, I am using



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- **Ubuntu Linux OS 22.04**



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- Ubuntu Linux OS 22.04
- Docker version 27.0.2



Pre-requisites

To follow this tutorial,

- You must have basic knowledge of using Linux terminal



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- For pre-requisite Linux tutorials, please visit <https://www.spoken-tutorial.org>



Fundamentals of Docker networking

- Docker networking involves various components and configurations
- Docker uses network namespaces to isolate network resources
- Docker facilitates this through network links and service discovery mechanisms



Types of Docker networks

Docker provides several types of networks:

- **Bridge Network: It is the default network type**
- **Host Network: The Containers share the host's network stack**
- **Overlay Network: It enables communication between containers**



Types of Docker networks

- **Macvlan Network:** It assigns a MAC address to each container, making it appear as a physical device
- **None Network:** It disables networking for the container



Summary

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- Fundamentals of Docker networking
- Connecting containers and establishing communication links
- Configuring port exposure and service exposure
- Deleting docker network



About the Spoken Tutorial Project

- Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- It summarises the Spoken Tutorial project
- If you do not have good bandwidth, you can download and watch it



Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- Conducts workshops using spoken tutorials
- Gives certificates to those who pass an online test
- For more details, please write to contact@spoken-tutorial.org



Answers for THIS spoken tutorial

- Questions in THIS Spoken Tutorial
- Visit <https://forums.spoken-tutorial.org>
- Choose the minute and second where you have the question
- Explain your question briefly
- The Spoken Tutorial project will ensure an answer
- You will have to register to ask questions



FOSSEE Forum

- For any general or technical questions on Docker, visit the FOSSEE forum and post your question
<https://forums.fossee.in/>



Acknowledgement

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Thank you

- This is Aditya Kushwaha, a FOSSEE Semester Long Intern 2024, IIT Bombay

