

# Docker Containers

## CMIS 545 - Cloud Computing Architecture

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## Section 1

# Just Enough Microservices

# What are Microservices?

- Microservices are

# How do Microservices relate to Containers?

- Containers facilitate the modularized development and deployment of microservices.
- Using one service per container guarantees independence

## Section 2

# Containers vs Virtual Machines

# Differences

- Virtualization
- Containerization

## Section 3

# Docker



Just Enough Microservices

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Containers vs Virtual Machines

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Docker

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Docker Demo

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Distributed Containers

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# Docker Engine

Just Enough Microservices

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Containers vs Virtual Machines

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Docker

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Docker Demo

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Distributed Containers

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# Docker Image

# Docker Container

# Docker Compose

## Section 4

# Docker Demo

Just Enough Microservices

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Containers vs Virtual Machines

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Docker

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Docker Demo

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Distributed Containers

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# Ubuntu Screenshots

## Section 5

# Distributed Containers

# Docker Swarm



# Elastic Kubernetes Service