

Docker Containers

CMIS 545 - Cloud Computing Architecture

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November, 2020

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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
- third bullet

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

https://www.youtube.com/watch?v=ymZFsUBiKJA&list=PLr5vq44ZK6L0Oa6zVplkeVXOIAX5t_-ge&index=40