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## Course Goals and Non Goals



- ➤ Course Goals
- Understanding of Container
- What is Docker container
- How Docker container is better then VM
- Understanding of Docker Architecture
- Understanding the Docker Platform overview
- Different Docker components
- ➤ Course Non Goals
- Deploying Spring Rest complete project in Docker

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Page 00-3

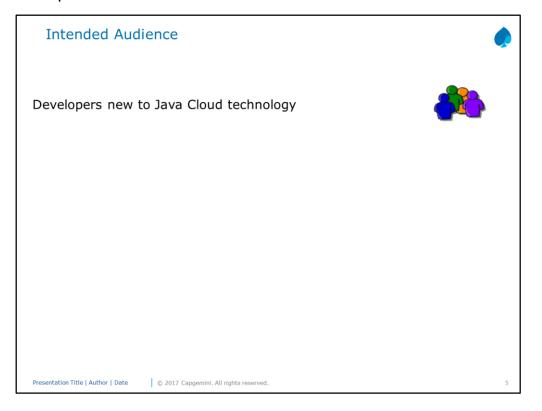
## Understanding of Linux command Understanding of basic computer networking(port , IP address etc.) architecture Knowledge of Java programming Basic knowledge on Cloud

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Page 00-4

## Core Java 8 and Development Tools



# Day Wise Schedule Day 1 Lesson1: Introduction To Docker Lesson 2: Docker platform overview Lesson3: Docker platform in Details

# Lesson 1: Introduction to Docker • What is Docker • Limitation of VM • Introduction to Container • Container Vs VM • Docker Architecture • Docker Community • Docker Installation(demo)

# Lesson 2: Docker Platform Overview Docker Platform Docker Engine Docker Images Docker containers Registry Repositories Docker Hub

# Lesson 3: Docker Platform in Details Docker Platform Docker Engine Docker Images Docker containers Registry Repositories Docker Hub

## References



## Books:

- Building Micro Services Designing Fine-Grained Systems by Sam Newman
- Beyond the 12 Factor App: Exploring the DNA of Highly Scalable, Resilient Cloud Applications by Kevin Hoffman
- Migrating to cloud in native application architecture by Matt Stine.

## Websites:

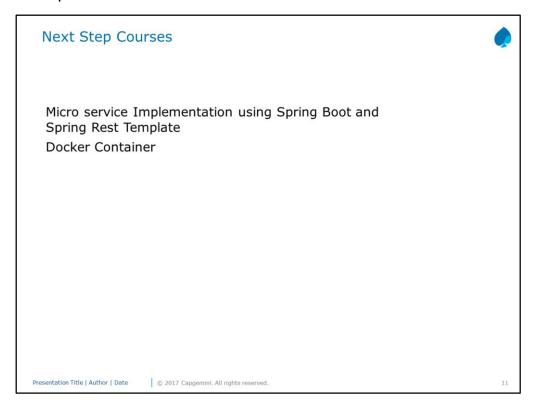
- MicroServices : http://microservices.io/
- MicroServices Architecture: https://smartbear.com/learn/apidesign/what-are-microservices//
- Cloud native : https://pivotal.io/cloud-native

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10

## Core Java 8 and Development Tools



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