# Micro services Basics & Cloud Native Concepts

Lesson 00: Micro Service and Cloud Native

ICATE is now a part of Candemini

People matter, results count.

Capgemini

©2016 Capgemini. All rights reserved.

The information contained in this document is proprietary and confidential. For Capgemini only.

### Course Goals and Non Goals

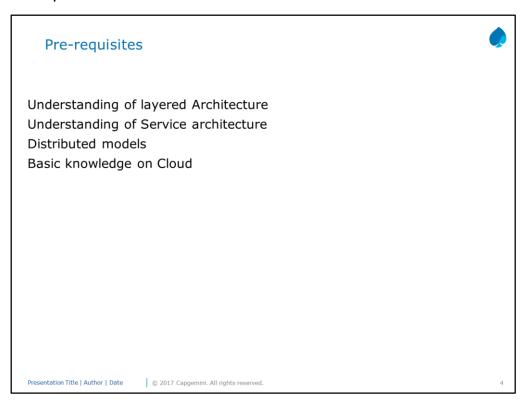


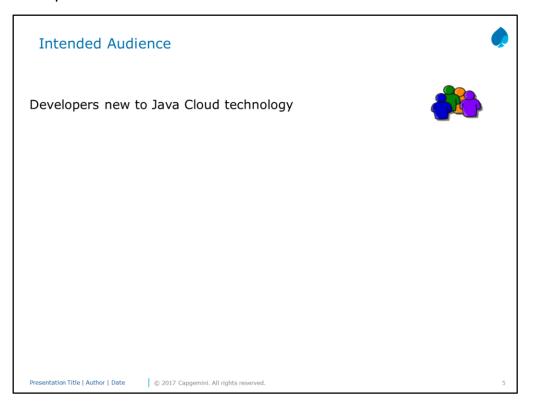
- ➤ Course Goals
- Undertanding of Micro services
- What is Monolithic architecture
- How Microservice are different from Monolithic
- Understanding the Pros and Cons of Microservices
- Understanding the Cloud concept
- To know the requirement of cloud Native approach
- ➤ Course Non Goals
- Developing Micro service applications

Presentation Title | Author | Date

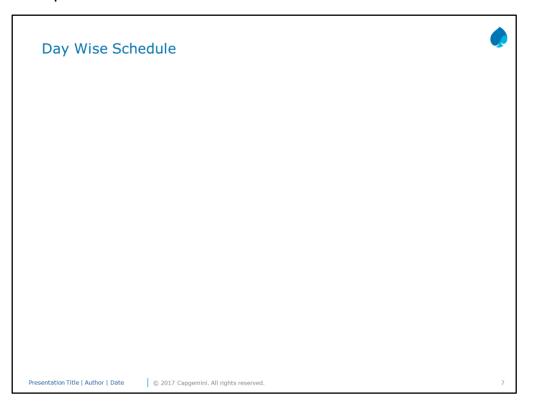
© 2017 Capgemini. All rights reserved.

Page 00-3





# Day 1 Lesson1: Micro Services Basics Lesson 2: Cloud Native Concepts



### **Table of Contents**



### Lesson 1: Microservices Basic

- Introduction to Micro services
- Monolithic Architecture
- Micro service Architecture
- Benefits of Micro services
- Drawbacks of Micro service

### Lesson 2: Cloud Native Concepts

- Cloud Native Approach
- Purpose of Cloud Native
- What are Cloud Native companies doing differently to improve IT agility
- Benefits of Cloud native
- What is 12 Factors App

Presentation Title | Author | Date

© 2017 Capgemini. All rights reserved.

8

### 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

Presentation Title | Author | Date

© 2017 Capgemini. All rights reserved.

Page 00-9

