

Session	Topic
<b>D1</b>	<b>Day One</b>
D1S1	Microservices Introduction
	Microservices - Characteristics, Benefits and Problems Addressed
	Two Examples of Conversion to Microservices
	Challenges & Enterprise Readiness
	Hands On Problem Statement
D1S2	Microservice Architecture and Components
	MS Reference Technology Architecture
	API Gateway (Concepts)
	MS Components - Config Svr, Svc Registry, Chassis, PAAS
	Log Aggregation and Monitoring
	Technology Landscape
D1S3	Developing a Microservice
	Intro to Open App for Microservices Development
	Spring Cloud & Spring Boot
	Sample Project - Service, Client, Configuration
D1S4	Microservices testing
	Testing Concepts
	Resiliency Testing (Chaos Monkey)
	Any other Important aspects of testing
<b>D2</b>	<b>Day Two</b>
D2S1	Microservices Patterns & Refactoring
	MS Patterns - Arch, Integration, Deployment
	Addressing Non Fn
	Refactoring Monolith
D2S2	Microservice Security
	MS Security Concepts
	MS Security Technologies for Auth, JWT, Dos, etc.
D2S3	Deployment and Management Technologies
	Containers & Orchestration Concepts
	Docker & Kubernetes
	Monitoring, mgmt using Open Shift or other PAAS (e.g. Open App)
D2S4	Deploying and Managing Microservice (Hands On)
	Discuss the problem statement in detail
	Environment Setup & Kick Off
<b>D3</b>	<b>Hands On on Open App</b>
	Deploy the Service in Open App or PAAS Container
	Apply Security and Testing tool

Test the microservice for functionality and resiliency