

RX-M - Serverless Technology and Functions as a Service

Code:	CN2-STF-aaS
Length:	1 days
URL:	View Online

This one day hands on intensive course takes technology staff on a guided tour of the rapidly developing Serverless and FaaS space. Attendees will gain hands on experience with the most popular FaaS offering, AWS Lambda, but will also learn about Google Cloud Functions, Azure Functions and IBM OpenWhisk, along with the architectures they promote. The course also examines developing serverless models and interoperability initiatives from the Cloud Native Computing Foundation's serverless working group. Each module is followed by a hands on lab where attendees will work with AWS Lambda to create a simple serverless application. Upon completion, attendees will have a clear understanding of the state of the art in serverless computing as well as hands on experience with the most prevalent serverless platform.

Skills Gained

- This course is designed to provide technology staff with an intensive introduction to the state of Serverless computing and the various FaaS (function as a service) offerings available in the market.

Who Can Benefit

- Developers, IT and QA Staff, Technical Managers, DevOps and Build personnel

Prerequisites

- Internet access and the ability to run a 64 bit virtual machine.

Course Details

Serverless Technology and Functions as a Service

1. Serverless and FaaS Overview (eco system, cloud vendors, open source, architectures)
 2. AWS Lambda Case Study (AWS Lambda operations, pricing, API Gateway, S3, Event integration)
 3. CNCF Serverless Working Group reference models (terminology, relation to PaaS, use cases, patterns, lifecycle)
 4. Serverless/FaaS in production (application integration, logging, monitoring, deployment)
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