

The Onica Serverless Concepts & MVP Workshop is an engaging, tech driven event focused on helping teams accelerate their Serverless journey on AWS. This immersive five-day workshop includes lectures on serverless technology, activities centered around serverless tool sets, and an instructor-led application migration MVP. The Onica Serverless Concepts & MVP Workshop is a great way to bootstrap your team and discover what it takes to successfully plan and migrate a serverless application in your organization leveraging AWS serverless frameworks and best practices.



Premier
Consulting
Partner

SaaS Competency
DevOps Competency
Migration Competency
Industrial Software
Competency
Data & Analytics
Competency

Workshop Details

Delivery Method: Facilitator Led / Discussions & Labs

Who Should Attend: Developers, Delivery Teams, App Owners, App SME, Exec Sponsors

Required Materials: Laptop -or- Workstation / Webcam / Chime

Workshop Objectives

- Explore the power of serverless architecture
- Introduce the AWS Suite of Serverless tools (Lambda, API GW, Step Functions, DynamoDB)
- Review current AWS architecture and application migration philosophy
- Gain exposure to the tools that enable serverless transformation
- Participate in an application discovery / planning process
- Build an MVP to modernize a single application to utilize serverless technology
- Assess your team's familiarity with Serverless
- Define a 90-day Serverless Migration Roadmap for your team

Prerequisites

- Requires established AWS Accounts
- Identification of at least one business critical application for this program (either refactor or develop new)
- Executive Sponsor commitment – i.e allocation of time and effort for development teams, with a minimum of 1 team of at least 6 people for a duration of the program (5 day) and for pre-work
- Allocated funding and priority to execute the SOWs for the prototypes into production (in phases as appropriate) within the next 6 months
- Requires technical resources with AWS CSA -Associate level, AWS CSA DevOps -Associate level knowledge -or- equivalent experience
- Prework: Alignment with C-level executives (expectations, goals, targets workloads, expected outcomes)
- Requires at least one viable application that can be modernized as an MVP/POC
- Pre-call to determine types of technical enablement sessions needed prior to workshop

Agenda

AWS Serverless Concepts & MVP Workshop

Day One Education & Discovery / Audience: All

AM Session (3-4 hours), “Establishing a baseline & educating”

- 1) Discuss Current State: AWS Infrastructure (Interactive whiteboard session)
 - Networking
 - Database
 - Compute & analytics
 - Authentication and Identity Management
- 2) Discuss serverless services & architecture alternative approaches (interactive whiteboard session)
 - AWS Lambda
 - AWS API Gateway
 - AWS Step Functions
 - Amazon DynamoDB
- 3) Current State: Applications (Instructor led scoping / info gathering)
 - Key Existing Applications
 - Upcoming Net New Workloads
 - Legacy Monolithic Apps (Mainframe, 3-tier java apps)
 - Microservices Applications
 - Challenges
 - Areas for Improvement
 - Personnel Considerations

PM Session (3-4 hours), “Identifying the low hanging fruit”

- 4) Identify Target Application / Project (Group Work - Opportunity Identification - Brainstorm)
 - Select App or Project that is an ideal transformation candidate
 - Talk through following points to determine if App/Project is a viable MVP candidate
 - Define Outcome (Architecture Definition / Whiteboard)
 - Define expected / optimal end-state
 - Define successful criteria metrics
 - Define test cases to prove criteria metrics have been met
 - Identify Roadblocks
 - Political / Cultural Concerns
 - Technical Concerns
 - Process Concerns
 - Make Final Selection
- 5) Create Mini-Project Plan For MVP (3 day engagement)
 - Define project plan - milestones, communication plan
 - Create RACI Chart (Whiteboard Session)
 - Assign Homework (As Needed)

Day Two Use Case Discovery Workshop / Audience: Tech Delivery, APP SME, DevOps Eng.

AM Session (1 - 1.5 hours), “Testing the Toolset”

- 1) MVP / Hackathon Prep, Planning
- 2) Familiarization w/ Toolset & Methodology
- 3) Walkthrough proposed architecture to understand roles of each AWS service

PM Session (1 - 1.5 hours), “Lab Wrap & Prepping for Coding”

- 4) Wrap Up serverless tool activity. Discuss lessons learned
- 5) Frame Up Coding Activities for Day 3 & Day 4
- 6) Assign Homework (As Needed)

Day Three / Day Four Rapid Prototype / Audience: Tech Delivery, APP SME, DevOps Engineer

AM Session (1 - 1.5 hours), “Begin Coding Efforts”

- 1) Define sprint 1 objectives and milestones (Instructor led lecture)
 - Assign tasks
 - Discuss approach
 - Detail requirements
- 2) Begin Coding (Team Coding effort w/ Onica support as needed)

PM Session (1 - 1.5 hours), “Check-Ins & Course Correction”

- 3) Wrap Up Daily Efforts (Instructor led lecture)
 - Lessons Learned
 - Roadblocks
 - Q&A
- 4) Define Next Steps
- 5) Assign Homework (As Needed)

Day Five (Results & Next Steps) / Audience: All

AM Session (2 hours), “Examining the Results / Next Steps”

- 1) MVP Results presentation (Team Discussion)
 - Discuss Lessons Learned
 - Identify Challenges

- 2) Discuss Next Steps (Select 1-3 Projects)
 - Estimates of costs and ROI

Call Onica to arrange a 30 minute no-obligation call to discuss AWS Serverless Concepts & MVP Workshops.