



DevOps on AWS Immersion Day

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DevOps on AWS Immersion Day

The Onica DevOps on AWS Immersion Day is an engaging, tech driven event focused on helping teams accelerate their DevOps journey on AWS. This immersive one-day workshop includes best practices, customer use cases, reference architectures, and technical demos. Onica’s DevOps on AWS Immersion Day is a great way to bootstrap your team and discover what it takes to successfully plan and implement DevOps in your organization leveraging state-of-the-art tools and best practices for delivering DevOps effectively on AWS.

Immersion Day Details

Delivery method: Facilitator-Led / Discussion & Demos

Duration: 1 day, 9 AM – 5 PM with lunch break

Who should attend: Developers, Operations & Security Engineers, Architects & Technical Leadership

Prerequisites: Laptop workstation, all other required materials will be provided

Immersion Day Objectives

- Learn more about the importance of Culture in DevOps
- Review essential 'top 10' lists of critical success factors for DevOps on AWS
- Introduce the AWS Suite of DevOps tools
- Discuss 3rd Party DevOps tools on AWS
- Assess your team’s current DevOps maturity
- Review DevOps on AWS Success Stories & reference architectures
- Afternoon of technical deep dives & walkthroughs
- Define a 90-day DevOps roadmap for your team

Agenda

Time	Topic
9:00 AM	<p>Introductions & Overview of DevOps on AWS</p> <ul style="list-style-type: none"> • Importance of culture in a DevOps journey • Fundamentals of DevOps: <ul style="list-style-type: none"> - Top 10 Golden Rules of DevOps: build once deploy everywhere, be relentless about consistency between environments, use a PR-based git workflow, etc. - Continuous Integration vs. Continuous Delivery vs. Continuous Deployment • Overview of AWS DevOps tools & resources <ul style="list-style-type: none"> - Freedom of choice on AWS <ul style="list-style-type: none"> o Plug & Play: CodeStar o Build your own pipeline with AWS native tools o Bring your own: Full support & integration with a popular ecosystem tools: Jenkins, Atlassian, GitHub, etc. - Orchestrate: CodePipeline / Jenkins - SCM: CodeCommit - Build: CodeBuild - Test: CodeBuild Test Actions / 3rd Party Integrations - Deploy: CodeDeploy <ul style="list-style-type: none"> o What about infrastructure deployments? o Cross Account deployments

10:30 AM	Where are you on your DevOps Journey? <ul style="list-style-type: none"> Open discussion on pain points, current state & self-diagnosed areas of improvement DevOps maturity questionnaire (to be used in 4 PM wrap up / roadmap)
11:30 AM	DevOps on AWS Success Stories TrueCar , eHarmony , FastSpring , Danaher , Tugg
12:00 PM	Lunch
1:00 PM	Deep Dive: Everything as Code <ul style="list-style-type: none"> Pipeline as Code with CloudFormation for CodePipeline & Jenkins file Infrastructure as Code with CloudFormation <ul style="list-style-type: none"> Onica Runway Build & Test as Code Deployment as Code Data: DDL / Schema promotions Repo structure / branching strategies
2:00 PM	Deep Dive: SCM, Build & Test Automation on AWS <ul style="list-style-type: none"> CodeCommit, CodeBuild & test walkthrough / demo
3:00 PM	Deep Dive: Automated Deployment on AWS <ul style="list-style-type: none"> Legacy (IaaS) deployment (CodeDeploy) walkthrough / demo The 'new breed' of deployment targets compare / contrast <ul style="list-style-type: none"> Containers (Docker, ECS, EKS & Fargate) Serverless (Lambda)
4:00 PM	Next Steps & Roadmap <ul style="list-style-type: none"> Define pain points & workloads Develop roadmap

About Onica

Onica is an AWS Premier Consulting Partner and Managed Service Provider and has worked on some of the largest AWS deployments across the globe. Our team consists of 250+ AWS certified Solutions Architects and competencies in Big Data, DevOps, Education, Healthcare, IoT, Microsoft Workloads, Migration, and Storage solutions. Learn more at onica.com.

"We decided to partner with Onica to really enhance and accelerate our transition. We had developers and engineers from Onica in our office working side-by-side with our teams to help us learn and understand how to leverage the ecosystem in Amazon and help architecturally build the solutions we created. I think the partnership has been one where they are an extension of our team at this point."

- Tommy McClung, CTO at TrueCar

