2020-04-27 AWS Management Tools Immersion Day Remote Training

Summary

This AWS training will introduce you to the AWS Management Tools Suite, which can help you manage AWS resources. We will cover: AWS Systems Manager, which can be leveraged to manage and orchestrate resources in and outside of AWS; CloudWatch, which gathers detailed metrics and logs from AWS resources; and CloudFormation which allows you to define AWS infrastructure as code. The day will be split into several presentation sessions and hands-on labs.

Details

- Topic: AWS Management Tools - CloudWatch, CloudFormation, Systems Manager
- Date: Monday April 27, 2020
- Location: **Remote - AWS Chime**
- Cost: $0
- Register: https://cornell.qualtrics.com/jfe/form/SV_3XijOIY59tMrL7L
  - Registration is open thru Thursday April 23
- CIT Hosts: TBD
- AWS Solutions Architect - Trainer: Anel Perez

Agenda

Time	Topic	Description
9:00 AM – 9:15 AM	Welcome and Introductions	
9:15 AM – 9:45 AM	Module 1: Introduction to Management Tools	We will be discussing at a high level all of the tools that encompass the AWS Management Tools Suite. This will serve as a primer to the lectures and labs that will be followed.
9:45 AM – 10:15 AM	Module 2: AWS Systems Manager Overview	In this module we will be diving deeper into the AWS Systems Manager features and this discuss how this service can be leveraged to manage\orchestrate resources in and outside of AWS.
10:15 AM – 10:30 AM	Break	
10:30 AM – 11:00 AM	Module 3: AWS Systems Manager Lab	This lab is a hands-on, self-paced walkthrough of leveraging AWS Systems Manager to manage your inventory of systems running on AWS.
11:00 AM – 11:45 AM	Lunch	
11:45 AM – 12:15 PM	Module 4: Amazon CloudWatch Overview	This session will provide a closer look at the Amazon CloudWatch service and the various features that allow our customers to gather detailed metrics and logs from various AWS Resources.
12:15 PM – 12:30 PM	Module 5: Amazon CloudWatch Lab	During this lab participants will be leveraging CloudWatch to develop and implement a workload monitoring strategy.
12:30 PM – 12:45 PM	Break	
12:45 PM – 1:00 PM	Module 6: AWS CloudFormation Overview	During this lecture we will be exploring how to leverage CloudFormation to being building your AWS Infrastructure as code. There will be a high level overview of the various features available within CloudFormation.
1:00 PM - 1:30 PM	Module 7: AWS CloudFormation Lab	This lab is designed to introduce some advanced features (e.g. Customer Resources, StackSets and Drift) that are available in CloudFormation. The purpose is to provide hands-on experience with them and clarify their use cases.

1:30 PM – 2:00 PM	Module 8: AWS Cost Optimization Overview	In this module we will focus on discussing the various tools available to customer to optimize cost. There will be demonstration of how to use our tools in your own environment.
2:00 PM – 2:15 PM	Closing: Q&A + Feedback	