

















FAA - General Immersion Day 2023

9:00 AM - 9:15 AM	 DJG	Welcome & Introductions Let's get started with AWS!
9:15 AM - 9:35 AM	 DJG	Introduction to Amazon Cloud & Compute Overview A high level introduction to the AWS cloud and an overview of the Elastic Compute Cloud (EC2).
9:35 AM - 9:50 AM	 DJG	Getting setup with an AWS Account Getting Into Your AWS Account for today's event
9:50 AM - 10:35 AM	 DJG	Elastic Compute Cloud (EC2) - Linux - Hands on Lab This lab will walk you through launching, configuring, and customizing a web server on Amazon EC2 using the AWS Management Console.
10:35 AM - 11:20 AM	 DJG	EC2 Auto Scaling Lab This lab will first walk you through the process of creating an Amazon Machine Image (AMI) from a web host created with CloudFormation. Then it will walk you through creating a launch template and setting up the web host within an auto scaling group behind an Application Load Balancer (ALB). The end result will be an auto scaling group behind a load balancer that scales based on CPU utilization of the hosts.
11:20 AM - 11:35 AM	 	Break Take a minute to relax...
11:35 AM - 11:55 AM	 JA	Networking in AWS Learn about Amazon VPC, VPC Security, Load Balancing, VPC Connectivity Options, and Route 53
11:55 AM - 12:15 PM	 JA	Virtual Private Cloud (VPC) Hands on Lab In this lab, you will create a VPC using the VPC wizard. You will then create additional subnets, edit the routing table and create a security group.
12:15 PM - 1:15 PM	 	Lunch Enjoy your meal!

1:15 PM - 1:55 PM	 JA	AWS Security Overview A discussion around AWS cloud security concepts such as the Shared Responsibility Model, Identity and Access Management (IAM) and Configuration Management.
1:55 PM - 2:55 PM	 JA	Identity and Access Management (IAM) Hands on Lab In this lab, you will create IAM identities and test access to resources.
2:55 PM - 3:15 PM	 DM	Storage in AWS This presentation covers AWS storage products and features such as Elastic Block Storage, Simple Storage Service, Elastic File System, Glacier, FSx, Data Transfer, Disaster Recovery Service, Storage Gateway and AWS Backup
3:15 PM - 3:45 PM	 DM	Simple Storage Service (S3) Hands on Lab In this lab, you will create an S3 bucket, add objects to your bucket, enable bucket versioning and set up a lifecycle policy.
3:45 PM - 4:10 PM	 DM	Databases in AWS Introduction to AWS database products and features to include Amazon RDS, Amazon Redshift, Amazon DynamoDB, Amazon ElastiCache, Amazon Neptune, Amazon DocumentDB, Amazon QLDB, and Amazon Timestream.
4:10 PM - 4:55 PM	 DM	Relational Database Service (RDS) Hands on Lab Create and manage an RDS mySQL database instance.
4:55 PM - 5:00 PM	 ALL	Conclusion & Next Steps + Survey / Feedback Here are some resources for you until next time...