General Immersion Day - FAA

Time		Session
10:00 AM - 10:10 AM		**Welcome & Introductions** Let's get started with AWS!
10:10 AM - 10:35 AM		**Introduction to Amazon Cloud & Compute Overview** A high level introduction to the AWS cloud and an overview of the Elastic Compute Cloud (EC2).
10:35 AM - 11:05 AM		**Networking in AWS** Learn about Amazon VPC, VPC Security, Load Balancing, VPC Connectivity Options, and Route 53
11:05 AM - 11:15 AM		**Break** Take a minute to relax...
11:15 AM - 11:20 AM		**Getting setup with an AWS Account** Getting Into Your AWS Account for today's event
11:20 AM - 12:00 PM		**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.
12:00 PM - 1:00 PM		**Lunch** Enjoy your meal!
1:00 PM - 1:50 PM		**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 Appliction 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.
1:50 PM - 2:20 PM		**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

2:20 PM - 2:45 PM	**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.
2:45 PM - 2:55 PM	**Break** Take a minute to relax...
2:55 PM - 3:35 PM	**Relational Database Service (RDS) Hands on Lab** Create and manage an RDS mySQL database instance.
3:35 PM - 4:05 PM	**AWS Security Overview** A discussion around AWS cloud security concepts such as the Shared Responsibility Model, Identity and Access Management (IAM) and Configuration Management.
4:05 PM - 4:25 PM	**Identity and Access Management (IAM) Hands on Lab** In this lab, you will create IAM identities and test access to resources.
4:25 PM - 4:30 PM	**Conclusion & Next Steps** Here are some resources for you until next time...