Welcome to Week 6

Cloud Accelerator Program

S3, Lambda, and Step Functions

DevelopIntelligence

A PLURALSIGHT COMPANY

Why study these subjects?

In modern software engineering, our ability to quickly deploy incremental innovation, ensure its quality, and scale to meet customer demand proves critical to our success

- Cloud is everywhere and it's not going away

- As with many topics in technology, there are multiple options and multiple dimensions to those options

- Building a deeper understanding of Cloud and its offerings helps prepare you for modern IT

- Cloud storage services and serverless technologies in AWS (including both Lambda and Step Functions) enable today's Cloud modernization workflows at optimized cost

My pledge to you

I will...

- Make this interactive

- Ask you questions

- Ensure everyone can speak

- Use an on-screen timer

Agenda

- S3 – Cloud Storage in AWS

- Lambda – Serverless Compute in AWS

- Step Functions – Workflow Orchestration in AWS

How we're going to work together

- Slides and words to highlight key concepts

- Demos to bring those concepts "to life"

- Lab work (which will take place in sandboxes provided by "A Cloud Guru") for hands-on reinforcement

- NOTE: I welcome being interrupted – if you need more info, or clarification, or anything else, just break in and ask. I am here to help you.

LAB:

S3 Bucket Versioning

Execute the tutorial available at
https://learn.acloud.guru/handson/c3870bf7-5d98-44fe-acf5-4c0bbdddb3d9

LAB:

S3 Lifecycle Rules

Execute the tutorial available at
https://learn.acloud.guru/handson/9366814c-d237-4e04-9b64-e7c4e0cf1884

LAB:

Serverless in CDK

Execute the tutorial available at
https://learn.acloud.guru/handson/36bc58b0-342d-406d-8c96-5b9a24cdca25

LAB:

API Endpoint to Lambda

Execute the tutorial available at
https://learn.acloud.guru/handson/2e684667-af97-4415-8cbf-51bd9eb971f2

LAB:

Orchestrating Lambda Using
Step Functions

Execute the tutorial available at
https://learn.acloud.guru/handson/c262c886-cd93-4a0c-bda8-a2453c44f38e

LAB:

Categorizing Data Using Step Functions

Execute the tutorial available at
https://learn.acloud.guru/handson/5197c509-cdee-42b7-a30f-2c47980a10f3

LAB:

Step Functions – Human
Approval

Execute the tutorial available at
https://docs.aws.amazon.com/step-functions/latest/dg/tutorial-human-approval.html

LAB:

Bringing It Together

Execute the tutorial available at
https://learn.acloud.guru/handson/aae676dc-fe12-4fff-8d16-dd6a25e12f2b

Thank you!

If you have additional questions, please reach out to me at: asanders@gamuttechnologysvcs.com