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Create an AWS CodeCommit Trigger for an AWS Lambda Function

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Introduction

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Agenda

- Introduction
- Hands-On Lab
- AWS CodeCommit
- Amazon Simple Notification Service (SNS)
- AWS Lambda

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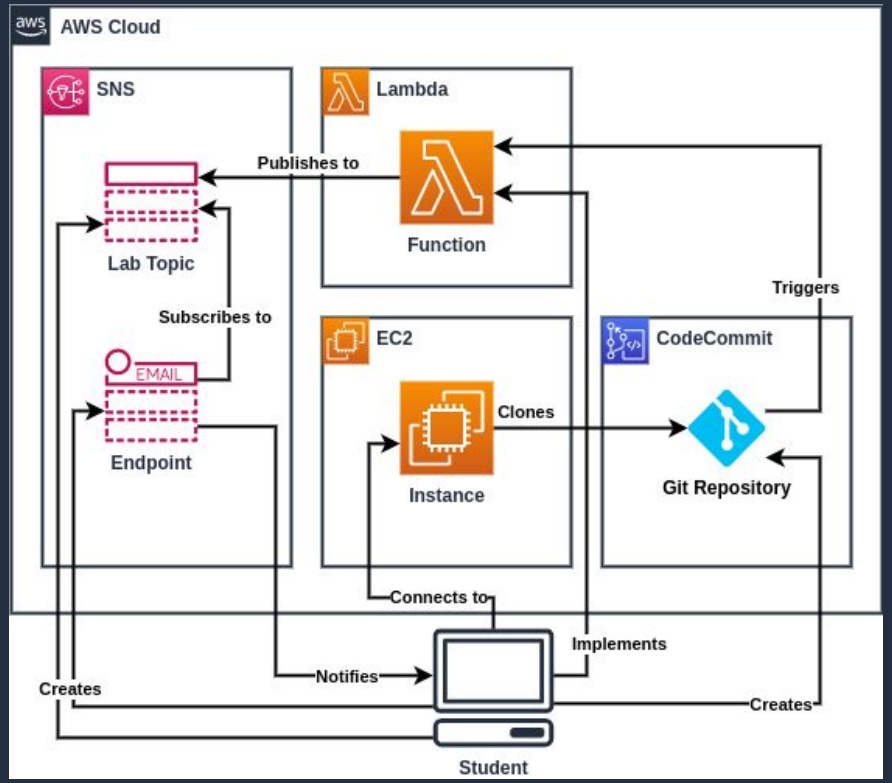

Hands-On Lab: **https://s.id/ANE5c**

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AWS CodeCommit

AWS CodeCommit lets you host private Git repositories within the AWS ecosystem. It is secure, highly-scalable, and fully compatible with traditional Git tools.

Main Keys:

- Create
- Connect
- Share

Sources: https://aws.amazon.com/codecommit/features/

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AWS CodeCommit

AWS CodeCommit lets you host private Git repositories within the AWS ecosystem. It is secure, highly-scalable, and fully compatible with traditional Git tools.

Features:

- Collaboration
- Encryption
- Access Control
- HA and Durability
- Easy Access and Notification

Sources: https://aws.amazon.com/codecommit/features/

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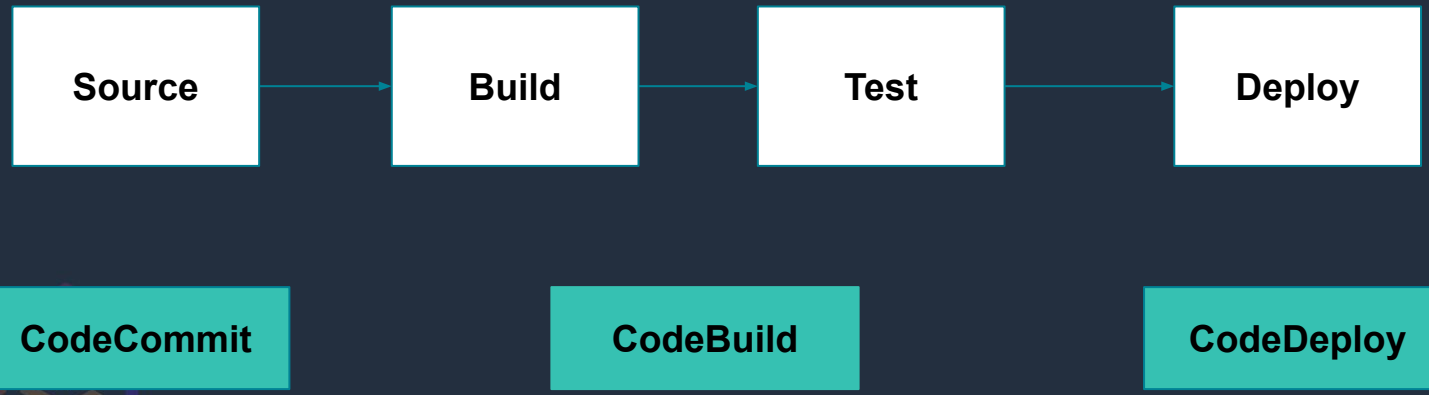
CI/CD Pipeline



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AWS CodeCommit

You can configure CodeCommit to trigger actions when events happen such as:

- Pushing new code
- Creating new branches
- Creating tags
- Merging branches

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Amazon Simple Notification Service (SNS)

Amazon Simple Notification Service (SNS) is a highly-scalable, reliable, secure, and fully-managed service that enables applications and third-party services to communicate with each other. SNS is used a publish/subscribe messaging service.

- Topic
- Subscriptions

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Amazon Simple Notification Service (SNS)

Creating a subscription in SNS connects a topic to an endpoint, in this case, the endpoint is your email address and you will receive emails when a message is published to the topic. Possible types of endpoint you can subscribe to a topic include:

- HTTPS web URL
- Lambda function
- Mobile phone

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AWS Lambda

AWS Lambda is a serverless, event-driven compute platform. When using Lambda, you don't have to set up or manage servers, and you only pay for the compute resources you use when your code is executed.

A trigger in AWS Lambda is a way of invoking your function. Possible types of triggers that can be configured include:

- Resources in Lambda
- Other resources in AWS
- Schedules

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Amazon Lambda

Features:

- Scaling & Controls
- Asynchronous invocation
- Event mappings
- Function blueprints
- Testing and deployment tools
- Templates

Sources: https://docs.aws.amazon.com/lambda/latest/dg/gettingstarted-features.html

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Thank you!