

3 - AWS Cloud Development Kit Primer

Here is what I learned through this course

Module 1:

I learned about AWS CDK as a framework for defining cloud infrastructure as code, understanding its significance, its numerous advantages (e.g. achieve faster deployment, incorporate objects, stays in IDE, allows to writing your runtime code and defining our AWS resources with the same programming language, etc)

Module 2:

I mostly learned about constructs but also its relationship with the stacks and the App . In AWS CDK, a construct is a fundamental building block used to describe individual or interconnected cloud resources, providing a high-level abstraction for simplifying the definition and management of cloud infrastructure. Constructs encapsulate AWS resources or groups of related resources, promoting reusability, composability, and abstraction to enable developers to focus on application logic rather than infrastructure details.

Module 3:

This module introduced vital AWS CDK concepts like identifiers, which are used to uniquely name resources in a CDK app, environments for specifying deployment targets, contexts for managing configuration values, and assets for handling files and other deployable entities. These concepts are essential for creating modular and scalable infrastructure in AWS CDK, supporting the development of flexible and adaptable cloud applications.

Module 4:

It focused on the AWS CDK Toolkit (CLI), and I learned about its features and commands for managing CDK applications, emphasizing its role in facilitating deployment.

Module 5:

By exploring AWS CDK development, I learned practical aspects like working with the framework, testing constructs, and implementing design best practices, showcasing the power of CDK for efficient infrastructure development.

Module 6:

It was about troubleshooting skills, I learned to identify and address common issues encountered during AWS CDK application development, enhancing my ability to optimize performance.

Module 7:

In the concluding module, the goal was to reinforce our understanding of AWS CDK's purpose and scope, emphasizing key concepts like apps, stacks, and constructs. The review also covered toolkits for cloud infrastructure development and management.