

AWS Certified Solutions Architect — Associate (SAA-C01)



Module 14

CloudFormation & CLI

Agenda

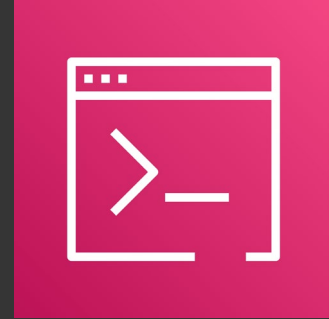
 Command Line Interface (CLI)

 Cloud Formation

CLI (Command Line Interface)

Manage Resources from command line

- Provision, list & update/modify AWS resources directly from command line.
- API implementation of AWS Console Dashboard.
- Copy/Sync files to/from S3 buckets.
- Integrated with almost all AWS services.



Labs

CloudFormation

Create and Manage Resources with Templates

- Model, provision, and update AWS resources through JSON formatted text files
- Deploy stack from template with runtime parameters
- Visualize and make quick edits to templates with CloudFormation Designer's drag-and-drop interface
- Repeatable, reliable provisioning

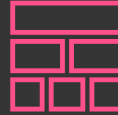


Templates



- CloudFormation template is a JSON or YAML formatted text file.
- These templates as blueprints for building your AWS resources

Stack



- You manage related resources as a single unit called a stack.
- You create, update, and delete a collection of resources by creating, updating, and deleting stacks.
- All the resources in a stack are defined by the stack's AWS CloudFormation template.

Change Set



- Allow you to review changes before you update your existing stack

■ AWSTemplateFormatVersion

- The AWS CloudFormation template version that the template conforms to.

■ Description

- A text string that describes the template.

■ Metadata

- Objects that provide additional information about the template.

■ Parameters

- Values to pass to your template at runtime. You can refer to parameters from the Resources and Outputs.

■ Mapping

- A mapping of keys and associated values that you can use to specify conditional parameter values.

■ Conditions

- Conditions that control whether certain resources are created or whether certain resources are assigned a value.

■ Resources (required)

- Specifies the stack resources and their properties. E.g: EC2, S3 etc.

Labs

Thank You!

Q & A