DAY-15

AWS CLOUDFORMATION

AWS Architecture and Design

[With Hands on Demo]

AWS Cloudformation

AWS Cloudformation

→ Introduction to Cloudformation

→ Key Features

→ Demo

AWS Cloudformation

AWS Cloudformation gives developers and systems administrators an easy way to create and manage a collection of related AWS resources, provisioning and updating them in an orderly and predictable fashion.

Template	Stack
• Create a Custom Template or use from AWS repository • The user can define instance launch parameters, any software to be downloaded or configured, run time parameters or AWS resources be used in JSON format • Define Parameters, Dependency for resource creation	• Collection of AWS resources (EC2,RDS,EBS,ELB etc) • Created from Template • All resources of stack as one unit • If a resource fails, stack creation also fails

AWS Cloudformation

Quick Deployment	Simple & Easy to use with Editor	Ready to use Templates	Automated Deployments
Customize Parameters	Supports Almost all AWS Resources	Flexible	Free

AWS Cloudformation Template

- AWSTemplateFormatVersion & Description - Defines the version for this Template. Description is used to describe template

- Parameters can be string, number or CommaDelimtesList.

- **Mappings:** Mappings are used to define conditional parameter values in template. Each mapping has a logical unique name within template.

- **Resources:** The user can define AWS resources like EC2, S3 etc which will be launched or accessed by Cloudformation. Resource is a necessary parameter for each template.

- **Outputs:** Outputs are used to show the information which is sent back to the user on successful creation of stack. E.g., if the user has installed some application, it can be URL of the application.

Template

Demo

Lets see the Demo of AWS CloudFormation!

Summary

In this video we learned AWS Cloudformation.

In next session we will have overview about AWS Opsworks.

Thank You

Email us – support@intellipaat.com

Visit us - https://intellipaat.com