



DAY-15

AWS CLOUDFORMATION

AWS Architecture and Design



1. Day 1 Overview of Cloud Computing
2. Day 2 Overview of AWS
3. Day 3 Amazon EC2*
4. Day 4 Amazon EBS *
5. Day 5 Amazon CloudWatch *
6. Day 6 Amazon S3*
7. Day 7 Amazon Elastic Load Balancer *
8. Day 8 Amazon Auto Scaling *
9. Day 9 Amazon VPC *
10. Day 10 Amazon IAM *
11. Day 11 Amazon RDS
12. Day 12 Amazon Route 53 *
13. Day 13 Amazon DynamoDB* & Glacier
14. Day 14 Amazon Cloudfront* & Import Export & Amazon SES *
- 15. Day 15 Amazon ElasticBeanStalk & Amazon Cloudformation & Amazon OpsWorks**
16. Day 16 AWS Economics & AWS Account Overview *
17. Day 17 AWS Architecture
18. Day 18 AWS Certification Preparation

[With Hands on Demo]

AWS Cloudformation

AWS Cloudformation



- Introduction to Cloudformation
- Key Features
- Demo

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

- 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

Stack

- 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

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 CommaDelimitedList.
- **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

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

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