1. Explain the concept of auto-scaling.

**Ans**

AWS Auto Scaling monitors your applications and automatically adjusts capacity to maintain steady, predictable performance at the lowest possible cost. Using AWS Auto Scaling, it’s easy to setup application scaling for multiple resources across multiple services in minutes. The service provides a simple, powerful user interface that lets you build scaling plans for resources including [Amazon EC2](https://aws.amazon.com/ec2/) instances and Spot Fleets, [Amazon ECS](https://aws.amazon.com/ecs/) tasks, [Amazon DynamoDB](https://aws.amazon.com/dynamodb/) tables and indexes, and [Amazon Aurora](https://aws.amazon.com/aurora/) Replicas. AWS Auto Scaling makes scaling simple with recommendations that allow you to optimize performance, costs, or balance between them. If you’re already using [Amazon EC2 Auto Scaling](https://aws.amazon.com/ec2/autoscaling/) to dynamically scale your Amazon EC2 instances, you can now combine it with AWS Auto Scaling to scale additional resources for other AWS services. With AWS Auto Scaling, your applications always have the right resources at the right time.

1. Explain Cloud Formation Solution.

**Ans**

AWS CloudFormation is a service that gives developers and businesses an easy way to create a collection of related AWS and third-party resources, and provision and manage them in an orderly and predictable fashion.

1. Mention and explain AWS services that are not specialized to a specific location.

Ans

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1. What's the difference between pausing and terminating an Amazon Elastic Compute Cloud instance?

Ans

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1. Describe how to set up CloudWatch to recover an EC2 instance.

Ans

1. Open the Amazon EC2 console.
2. In the navigation pane, choose Instances.
3. Select the instance that you want to configure.
4. Choose Actions, and then choose Monitor and troubleshoot. ...
5. Choose Create an alarm. ...
6. For Alarm notification, choose an existing Amazon Simple Notification Service (Amazon SNS) topic.