

# Cloud Computing & AWS Interview Questions

## 1. What is Cloud Computing?

Ans - Cloud Computing is the on-demand delivery of IT resources and applications via web services (Internet).

## 2. What are the key advantages of Cloud Computing?

Ans - The key advantages of Cloud Computing are:

1. Pay as per use of IT resources
2. Automatically scale up or down the capacity.
3. Focus on business differentiator instead of IT infrastructure
4. Increased speed to make IT resources available.
5. Ability to take business global in minutes.

## 3. Explain Hybrid deployment model of Cloud?

Ans - A hybrid deployment is an approach that connects infrastructure and applications between cloud-based resources and existing resources, typically in an existing data center (on-premise).

## 4. What is an Availability Zone under AWS Global Infrastructure?

Ans - An isolated location within an AWS region is known as Availability Zone.

## 5. What are the different ways to access AWS Cloud Services?

Ans - AWS Cloud services can be accessed via AWS Management Console, AWS Command Line Interface (CLI) or the AWS Software Development Kits (SDKs).

## 6. Your company experiences fluctuations in traffic patterns to their e-commerce website based on flash sales. What service can help your company dynamically match the required compute capacity to the spike in traffic during flash sales?

Ans - Auto Scaling helps maintain application availability and allow organizations to scale the capacity up or down automatically.

## 7. What AWS Cloud service provides a logically isolated section of the AWS Cloud where organizations can launch AWS resources in a virtual network that they define?

Ans - Amazon VPC (Virtual Private Cloud) lets organizations provision a logically isolated section of the AWS Cloud where they can launch AWS resources in a virtual network.

**8. What is the format of an IAM policy?**

Ans - An IAM policy is a JSON document.

**9. Which AWS database service is best suited for non-relational databases?**

Ans - Amazon DynamoDB is best suited for non-relational databases.

**10. Which AWS service records application program interface (API) calls made on your account and delivers log files to your Amazon S3 bucket?**

Ans - AWS CloudTrail records important information about each API call, including the name of the API, the identity of the caller, the time of the API call, the request parameters, and the response elements returned by the AWS Cloud Service.