1. What are the three basic types of Cloud Computing| deployment?

Currently, the three basic types of cloud computing include the following:

Infrastructure as a Service (IaaS)

Platform as a Service (PaaS)

Software as a Service (SaaS)

1. What is the similarity between Availability zone and regions?

The similarity between Availability Zones and Regions is that they both provide geographical redundancy and isolation for cloud infrastructure in the AWS cloud. Availability Zones are distinct locations within a given Region, while Regions are geographic areas with multiple Availability Zones.

1. Define Auto-scaling?

Auto-scaling is a cloud computing feature that allows a system to automatically scale its resources up or down based on demand or predetermined conditions. This is typically used to ensure that there are enough resources to handle the load on a system, while also avoiding over-provisioning and keeping costs low.

1. Define Amazon EC2?

EC2 is also called Elastic Compute Cloud. Amazon EC2 is used to launch virtual computing servers as needed, manage storage, and configure security and networking.

1. Can S3 be used with EC2 instances?

Yes, Amazon S3 can be used with Amazon EC2. Here, Amazon S3 gives developers access to a highly reliable, fast and scalable data storage infrastructure.

1. List other tools which log into the cloud environment other than the console?

There are various tools that can log into the cloud environment, in addition to the console. Some common ones include:

* Putty
* AWS CLI for Linux
* AWS CLI for Windows
* Eclipse
* AWS SDK

1. What are the different types of virtualization in AWS?

There are three types of virtualization in AWS. These include:

* Hardware Virtual Machine (HVM)
* Paravirtualization (PV)
* Paravirtualization on HVM

1. How are stopping and terminating an EC2 instance different?

Stopping an EC2 instance means you are normally shutting it down and moving it to a stopped state. On the other hand, terminating the instance means you are permanently deleting the instance. When this happens, it’s attached volumes are deleted and you cannot recover them.

1. Which are the EC2 instances based on their costs?

The three types of EC2 instances based on their costs are as follows:

* On-demand Instance
* Spot Instance
* Reserved Instance

1. Explain key-pairs in AWS

Key-pairs in AWS are secured login information for virtual machines. They are password protected login credentials to verify your identity while connecting the Amazon EC2 instances. AWS key-pairs are made up of private and public keys that connect to the instances.

1. Define Amazon S3

S3 stands for Simple Storage Service. Amazon S3 is the best-supported storage platform available. It helps to supervise data for cost optimization, compliance, and access control.

1. What is IAM?

AWS Identity and Access Management (IAM) is a web service that helps you securely control access to AWS resources. With IAM, you can centrally manage permissions that control which AWS resources users can access. You use IAM to control who is authenticated (signed in) and authorized (has permissions) to use resources.

1. What is EBS?

Amazon Elastic Block Store (Amazon EBS) is an easy-to-use, scalable, high-performance block-storage service designed for Amazon Elastic Compute Cloud (Amazon EC2)

1. What is EFS?

Amazon Elastic File System (Amazon EFS) provides serverless, fully elastic file storage so that you can share file data without provisioning or managing storage capacity and performance. Amazon EFS is built to scale on demand to petabytes without disrupting applications, growing and shrinking automatically as you add and remove files.

1. cloud computing definition?

Cloud computing is the delivery of computing services—including servers, storage, databases, networking, software, analytics, and intelligence—over the Internet (“the cloud”) to offer faster innovation, flexible resources, and economies of scale.

1. Type of EC2 instance

type of load balancer

osi model and layer

significance of efs