**Amazon S3 service**

1. **What is AWS S3?**

Amazon S3 (**Simple Storage Service**) provides an object storage, which is designed for storing and recovering an arbitrary amount of information or data from anywhere over the internet. This storage is provided through a web services interface. It offers 99.999999999% durability and 99.99% availability of objects. It can also store computer files up to 5 terabytes in size.

1. **What is Bucket in AWS S3?**

 A bucket is a container for objects. An object is a file and any metadata that describes that file.to store an object in Amazon S3, you create a bucket and then upload the object to the bucket.

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1. **What is an object in AWS S3?**

The Amazon S3 object store lets you store any number of objects using unique keys. The objects can be stored in one or more buckets, and each bucket can hold up to 5 TB of data.

1. **How do you manage access to Amazon S3 bucket?**

There are many ways we can manage to access Amazon S3 buckets:  
IAM - Helps in managing Users, Groups and Roles.  
ACL - Helps in managing objects via Access control lists.  
S3 Access Points - Helps in managing data sets through access point specific to each applications.

S3 Bucket Policies - Helps in managing resources and permissions at bucket level.

1. **What are the features of Amazon S3?**

* Storage management and monitoring
* Storage analytics and insights
* Access management and data security
* Data processing and data transfer.

1. **What is default storage class in Amazon S3?**

Standard is the default storage class in AWS S3.

1. **What are the classes of S3 object storage ?**

* Amazon S3 Standard
* Amazon S3 Intelligent-Tiering
* Amazon S3 Standard-Infrequent Access
* Amazon S3 One Zone-Infrequent Access
* Amazon S3 Glacier Instant Retrieval
* Amazon S3 Glacier Flexible Retrieval
* Amazon S3 Glacier Deep Archive
* Amazon S3 Outposts