

# Storage In The Cloud

## 1. Different type of cloud storage

**ANS:** There are mainly **three types of cloud storage**:

- **Object Storage** – Stores data as objects (used for images, videos, backups).  
Example: Amazon S3.
- **Block Storage** – Data stored in blocks, used with virtual machines and databases.
- **File Storage** – Works like a traditional file system, shared across systems.

## 2. What is role base access control and identity and access management and MFA

**ANS:**

- **RBAC (Role-Based Access Control)**: Access is given based on a user's role.
- **IAM (Identity and Access Management)**: A system that manages users, permissions, and access to cloud resources.
- **MFA (Multi-Factor Authentication)**: Adds extra security by requiring more than one verification method .

## 3. What is physical and virtual host allocation?

**ANS:**

- **Physical Host Allocation**: Cloud resources are assigned to a physical server dedicated to a customer.
- **Virtual Host Allocation**: Resources are shared using virtual machines on the same physical server.

## 4. How to access resource of cloud computing?

**ANS:** Cloud resources can be accessed through:

- **Web browser (Cloud Console/Portal)**
- **Command Line Interface (CLI)**
- **APIs and SDKs**
- **Remote access tools (SSH, RDP)**

## 5. Type of backup in cloud?

**ANS:** Common types of cloud backups include:

- **Full Backup** – Entire data is backed up
- **Incremental Backup** – Only changes since last backup
- **Differential Backup** – Changes since last full backup

- **Snapshot Backup** – Point-in-time copy of data
- **Continuous Backup** – Real-time data backup

## **6.What is disaster recovery?**

**ANS: Disaster Recovery** is the process of restoring data, applications, and systems after a failure such as hardware failure, cyberattack, or natural disaster to ensure business continuity.