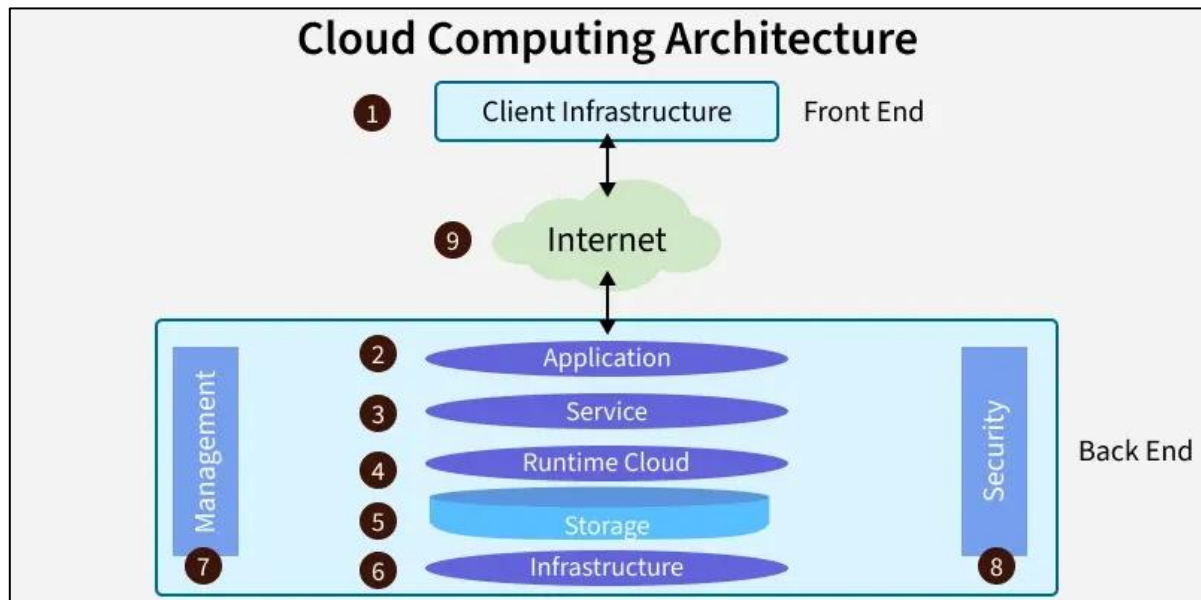# What is Cloud Computing?

Cloud Computing is a technology that allows you to store and access data and applications over the internet instead of using your computer's hard drive or a local server.

Advantages of Cloud Computing

Cost Savings

By using cloud services, companies managed their operations cost-effectively while scaling quickly as their user base grew.

Scalability

The scalability of cloud computing ensures that their systems can handle increased demand without crashing.

Disaster Recovery

By storing data in the cloud, we can quickly recover critical information and continue operations in the event of a data centre failure or natural disaster.

Improved Customer Service for Healthcare Providers

Example: Healthcare providers like Mayo Clinic utilize cloud computing to store and access patient records securely. This enables doctors to access up-to-date information from anywhere, improving patient care and response times.

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Security

Migrating business to the cloud implies approaching industry-standard information data protection/assurance, firewalls, and robotized all-day, everyday network observing.

	On-Premises Deployment	On-Cloud Deployment
1.	Control of user is more.	Control of user is less as third parties are involved.
2.	Infrastructure is not easy to scale.	Infrastructure is easy to scale.
3.	Internet connectivity is not need all the time.	Internet is must for the services of the cloud.
4.	These services run within the enterprise only.	The services of cloud depends on the third parties so these are not only accessed within the enterprise.
5.	These services are not quite flexible.	The services of cloud are highly flexible.
6.	Not available on a subscription basis.	Services are available for purchase.
7.	For hardware and software updates, enterprise is responsible.	For hardware and software updates, third party is responsible.

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8.	Cost is fixed.	Cost is not fixed, as additional services comes with additional charges.
9.	Data is easily portable.	Data is not easily portable.
10.	The deployment happens in the local environment.	The deployment happens on the internet.
11.	Security is more.	Security is less as all the information is stored in the cloud.
12.	These services are used in large companies.	These services are used in small and mid sized companies.
13.	Implementation time is more.	Implementation time is less.

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