Cloud Computing

**What is Cloud Computing?**

Cloud computing is a computing service made available over the internet.

Cloud computing is a pay-as-you-go model for delivering IT resources.

You pay only for what you use.

## Deployment Models

There are three different kinds of deployment models:

* Cloud-based
* On-premises
* Hybrid

## Cloud-Based Deployment

Everything runs in the cloud.

This model allows you to build new applications or move existing ones to the cloud.

There are different levels of services ranging from low to high.

The level of service has different requirements on your management, architecting, and infrastructure.

For example, a company might create an application consisting of virtual servers, databases, and networking components entirely based in the cloud.

**On-Premises Deployment**

Deploy resources by using virtualization and resource management tools.

On-Premises Deployment is also known as private cloud deployment.

For example, you might have applications that run on technology that is fully kept in your on-premises data center.

Though this model is much like legacy IT infrastructure, its application management and virtualization technologies make it more effective.

## Hybrid Deployment

In a hybrid deployment, you connect cloud resources to an on-premises infrastructure.

This approach is relevant in many situations.

For example, you are working with sensitive data or are under specific government regulations.

## Why Choose Cloud Computing?

There are many reasons for going with the cloud.

Cloud computing enables benefits such as:

* Cost savings
* Security
* Scalability
* Flexibility

## THANK YOU