**✅ What is Cloud Computing?**

**Cloud computing** is the **delivery of computing services** like servers, storage, databases, software, and networking over the **internet (“the cloud”)**, so you can access them **on-demand** without needing to buy or maintain physical hardware.

**☁️ Key Characteristics:**

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| --- | --- |
| **Feature** | **Explanation** |
| **On-Demand** | Use only what you need, when you need it |
| **Scalable** | Easily scale resources up or down |
| **Cost-Efficient** | Pay-as-you-go pricing |
| **Accessible Anywhere** | Access from any device with internet |
| **Automatic Updates** | No need for manual software updates |

**📊 Types of Cloud Services:**

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| **Type** | **Meaning** | **Examples** |
| **SaaS** (Software as a Service) | Ready-to-use software | Salesforce, Gmail, Zoom |
| **PaaS** (Platform as a Service) | Platform to build & deploy apps | Salesforce Platform, Heroku |
| **IaaS** (Infrastructure as a Service) | Virtual machines, storage | AWS EC2, Microsoft Azure |