

AWS Cloud Computing

The practice of using remote servers hosted on the internet to store, manage and process data, rather than a local server on a personal computer.

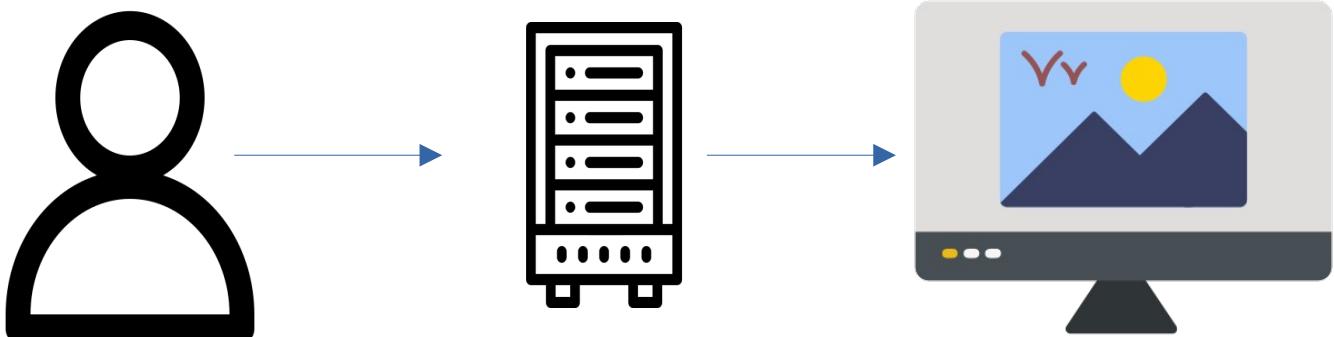
Cloud Providers:-

- 1) Someone else hires IT people.
- 2) Someone else owns servers.
- 3) You are responsible for configuring cloud services and code,
- 4) someone else can take care of the rest.

Evolution of Cloud Computing:-

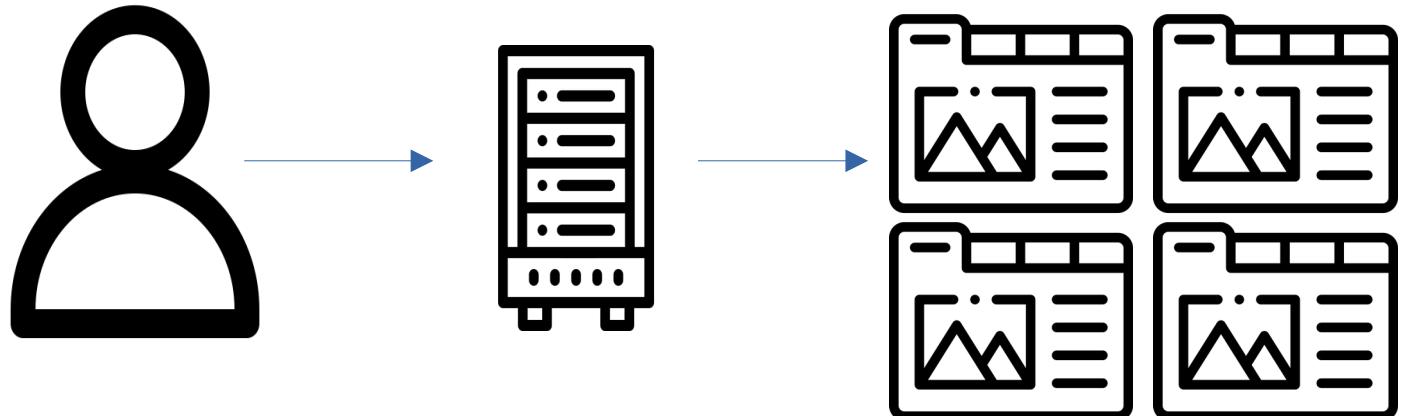
A) Dedicated Server:-

- **1 physical machine dedicated to single a business.**
- Runs a single web app/site.
- **Very expensive, high maintenance, high security.**



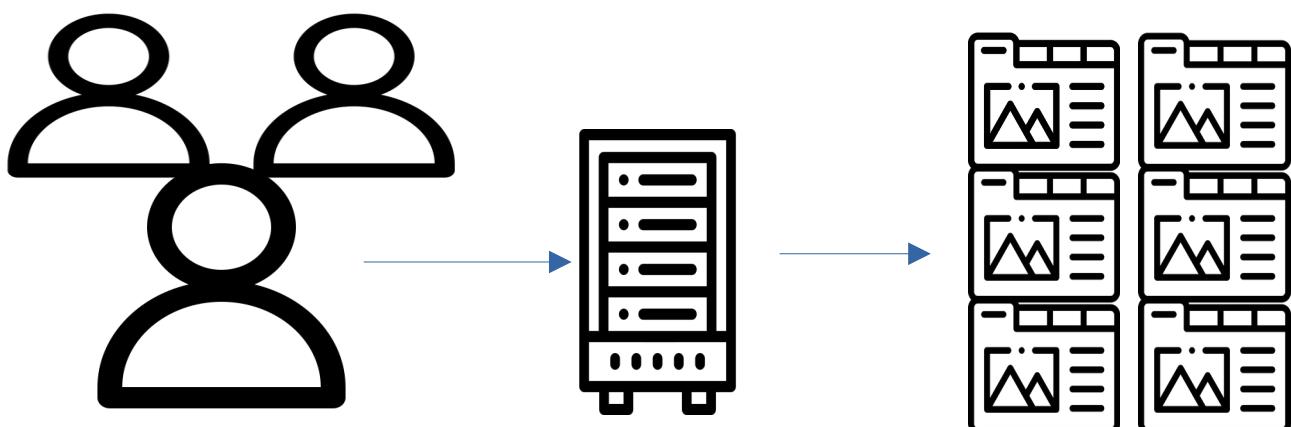
B) Virtual Private Server (VPS):-

- **1 physical machine** dedicated to **single a business**.
- The physical machine is virtualized into **sub machines**.
- Runs multiple web apps/sites.
- **Better utilization and isolation of resources.**



C) Shared Hosting:-

- **1 physical machine**, shared by **100 of businesses**.
- Relies on most tenants under-utilizing their resources.
- **Very cheap, limited functionality, poor isolation.**



Note:- AWS was launched in **2006** and is **leading cloud service Provider** in the world.