

1. Benefits of Cloud Computing.

- can use the cloud without connecting internet.
- pay only for what you use
- easily/quickly/reliably add more power/user ...
- scaling up/down & out/in
- turnkey feature.

2. Identify Cloud Services and Cloud Types.

· Services:

- Infrastructure as a Service (IaaS)

- computers / networks / ... in the cloud ^{only infrastructure,} ~~no software~~

· most control / flexibility → most responsibility

· ~~Ex: AWS~~ IaaS: Azure Virtual Machine

- Platform as a Service (PaaS)

- hosted platform in the cloud (infra + sw)
- provide application

· less control / flexibility → less responsibility

· ~~Ex: AWS~~ PaaS: Azure App Service

- Software as a Service (SaaS)

most common

- SW or service hosted in the cloud
- easy access
- low control, no responsibility
- Ex: outlook.com

- Clouds

- Public Cloud

Eg. MS Azure

- multi-tenant
- easiest to adopt
- most feature-rich
- least expensive
- least overhead

- Private Cloud

Eg. Azure Stack

- single-tenant
- can be on-premises or hosted
- can be expensive
- higher overhead
- possibly complex configuration

- Hybrid Cloud

- mix of private & public
- connect legacy systems to cloud apps
- can be complex