Advantages of AWS Cloud

Cloud Advantages

- ### CapEx is replace by OpEx

  Using public cloud technologies enables startups and existing organizations to provide new features and services with a minimum of capital expenditures (CapEx). Instead, public cloud expenses revolve around monthly operating expenses (OpEx)

- ### Lack of contractual commitments

  Many public cloud vendors charge on an hourly (if not less) basis. For most services, there is no long-term commitment to an organization. You can roll out new projects or initiatives and, if needed, roll back with no contractual commitments long term

- ### Reduction of required negotiations

  New account establishment with public cloud vendors is simple, and prices for the major public cloud vendors continuously reduce. This reduction in prices and the ease of account setup reduces the need for cost negotiations, as might have existed early in the world of service provider interactions

- ### Reduced Procurement Delays

  Additional resources can be set up with most cloud implementations within seconds

- ### “Pay as you go” Model

  If more resources are needed to support a growing cloud presence, you can get these resources on demand and pay for them only when needed. Conversely, if fewer resources are required, you can run less and pay for only what you need.

- ### High levels of security possible

  Because you can focus on the security of your resources and the cloud provider can focus on its security responsibilities (such as physical security and hypervisor security), the resulting infrastructure can meet stringent levels of security

- ### Flexibility

  Thanks to features in public cloud vendors like AWS, you can quickly scale the cloudbased infrastructure up and down as well as out and in, as needed. This advantage is often termed elasticity

- ## A massive global infrastructure

  Most of the public cloud vendors now offer resources located all over the globe. This global dispersion or resources serves large multinational organizations very well since resources needed for certain parts of the globe can be stored and optimized for access in those regions

- ## SaaS, PaaS, and IaaS offerings

  Cloud technologies have become so advanced that organizations can choose to give applications to clients, development environments, or even entire IT infrastructures using the technologies that make up the cloud

- ## Emphasis on API support

  Increasingly, cloud vendors are taking an application programming interface (API) first approach. This makes the same configuration possible with REST APIs (typically used) that would be possible with an software development kit (SDK), command-line interface (CLI), or graphical user interface (GUI).