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***AWS Notes:***

* ***Cloud Computing Service Models:***

1. **IAAS (Infrastructure as a Service):**

* What services our manage?

Application, Data, Runtime, Middleware, O/S

* What services others manage?

Visualization, Servers, Storage, Networking

1. **PAAS (Platform as a Service):**

* What services our manage?

Application, Data

* What services others manage?

Runtime, Middleware, O/S , Visualization, Servers, Storage, Networking

1. **SAAS (Software as a Service):**

* What services our manage?

There is no need to manage service by ourself.

* What services others manage?

Application, Data, Runtime, Middleware, O/S , Visualization, Servers, Storage, Networking

* ***Deployment Models of Cloud:***

1. **Public Cloud:**

we can access it over the internet, we can create our own resources and it is available publicly for all over the world.

1. **Private Cloud:**

we can access it privately; it is our own cloud.

1. **Hybrid Cloud:**

it is the combination of public cloud or private cloud, many of the organizations have own public or private cloud in now days.

* ***How AWS Charges for Cloud (Criteria for price):***

1. **Compute:**

Charges Prices for how much computation done on AWS.

1. **Storage:**

Price for storage how much we consume AWS’s Storage Space.

1. **Data Transfer:**

Price for how much data we can transfer out of the AWS’s server.

***Note: AWS can’t charge for transfer data inside the AWS’s server (Infra)***

* ***What are Regions?***
* It is collection of multiple availability zones
* there are 33 regions in all over the world. (info: 10/3/24)
* ***What are Availability Zones?***
* It is collection of multiple data centers.
* There are 105 availability zones in all over the world. (info: 10/3/24)
* ***What are Local Zones?***
* AWS Local Zones are a type of AWS infrastructure deployment that place compute, storage, database, and other select services closer to large population, industry, and IT centers
* There are 51 local zones in all over the world. (info: 15/5/24)