AWS - Amazon Web Services:

Agenda:

* What is Cloud Computing?
* Why is everybody running behind it?
* Advantages of Cloud Computing.
* Service Models on Cloud Computing
* What is AWS?

What is Cloud Computing?

Def of Cloud Computing:

* Cloud Computing means storing and accessing data and programs over the Internet of your computer’s hard drive.

NIST Definition of Cloud Computing:

* Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction.

Pay-as-you-go:

pay for the resources based on usage. If you use a server for 1 hr, you pay for 1 hr.

If you use a storage for 10 GB, you pay for 10 GB.

Pay-as-you-grow:

pay for the resources based on resource configuration.

nano, micro, small, medium, large, x large,......

Advantages of Cloud Computing:

* + On-demand self-service
  + Broad network access & High Availability
  + Resource pooling
  + Rapid elasticity
  + Measured services.

Service Models:

Public Model : everybody access from internet

Private Model: restricted access with in range

Hybrid Model : combination of public & private

IAAS -> Infrastructure

PAAS -> Platform

SAAS -> Software