

# AMAZON WEB SERVICES CLOUD COMPUTING

28 NOVEMBER 2021

## SUMMARY

Cloud Computing was explained in detail through cloud computing models, deployment models and similarities between Amazon Web Services (AWS) and traditional IT. The advantages of cloud computing were also discussed thoroughly. Besides, there's also an explanation on how AWS works through categories of AWS services, ways to interact with AWS, AWS Pricing Calculator and Support Plan.

## CLOUD COMPUTING AND AWS COMPUTING

Cloud Computing is the on-demand delivery of computing power, database, storage, applications, and other IT resources via the internet with pay-as-you-go pricing. AWS is the actual name for cloud computing, cloud computing is just a marketing term. The actual thing is a series of web servers.

There are three types of cloud service provide in AWS: Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS). Also there are three types of cloud computing models like cloud, hybrid an on premises (private cloud).

## WEB SERVICES

A web service is any piece of software that makes itself available over the internet and uses a standardized format - such as Extensible Markup Language (XML) or JavaScript Object Notation (JSON) - for the request and the response of an application Programming Interface (API) interaction



## WHY CHOOSING AWS COMPUTING?

AWS is the number one choice of cloud computing of service providers instead of Microsoft Azure, IBM Cloud and others. It is because AWS Cloud give more advantages for the example AWS pay only for the amount you consume (like electricity). Because of aggregate usage from all customers, AWS can achieve higher economies of scale and pass savings on to customers. Moreover, AWS can accurately scale your needs according to demand, faster getting resources, less to worry about and go global in minutes.

## REFLECTION

As you can see, Cloud Computing seems to be the future of business as it is cheaper, easier to use and modify, and more accurately meets your needs compared to traditional IT models. With AWS being one of the most important companies in that field, learning about how to work with AWS will surely be a good career move for any IT student.

## WHAT DOES AWS OFFERS TO THE TRAINEES?

Aws offers a lot if services (Security, Database, Storage)

This training will teaches you how to adapt a customer's needs into AWS services.

Ways to interact with AWS are AWS Management Console, Command Line Interface (CLI), Software Development Kits (SDKs).

There is also the **AWS Pricing Calculator**, used to estimate monthly costs, identify opportunities to reduce monthly cost, model your solutions before building them, explore price points and calculations behind your estimate, find the available instance types and contract terms that meet your needs, name your estimate and create and name groups of services

**AWS offers 4 Support plans:** **Basic Support:** Resource Center access, Service Health Dashboard, product faqs, discussion forums, and support for health checks, **Developer Support:** Support for early development on AWS, **Business Support:** Customers that run production workloads, and **Enterprise Support:** Customers that run business and mission-critical workloads.

## REFERENCE

3rd TIS INDUSTRY LECTURE SERIES

Title: Amazon Web Services Cloud Computing

Presented by: Dr Qusay Al-Maatouk (APU)

Gillis, A. S. (2019, October 31). What is AWS (Amazon Web Services) and how does it work? SearchAWS. Retrieved November 28, 2021, from <https://searchaws.techtarget.com/definition/Amazon-Web-Services>.