Introduction to AWS

AWS

Why AWS

What is Server

In computing, a **server** is a piece of computer hardware or software (computer program) that provides functionality for other programs or devices, called "clients". This architecture is called the client–**server** model.

A **server** is a computer that provides data to other computers. It may serve data to systems on a local area network (LAN) or a wide area network (WAN) over the Internet. Many types of **servers** exist, including web **servers**, mail **servers**, and file **servers**. Each type runs software specific to the purpose of the **server**.

Server Task

Here are some examples of server tasks:

- Email
- File sharing
- Website hosting
- Network management
- Database
- Custom applications

Expense to setup server

Server Hardware

- Server Admin
- Server supported Hardw/Softw - OS Licence,Antivirus,Firewall,IDS,Backup,switch,router,maintanace,electricity etc.

- Min cost 1 to 5 Lack Server.
- Eg. Start new business like E-commerce.
- What is capital Expenditure to setup servers ?
- Employee Expense?
- Duration ?
- Expense going to very high to start business

Top 10 Cloud Service Providers In 2022

1. Amazon Web Services (AWS)
2. Microsoft Azure
3. Google Cloud
4. Alibaba Cloud
5. IBM Cloud
6. Oracle
7. Salesforce
8. SAP
9. Rackspace Cloud
10. VMWare

About AWS

The AWS platform was launched in July 2002.

Amazon Web Services was officially re-launched on March 14, 2006, combining the three initial service offerings of Amazon S3 cloud storage, SQS, and EC2.

- Launched: March 2006; 14 years ago
- Industry: Web service, cloud computing

AWS

What is AWS:

Amazon Web Services is a cloud computing platform that provides customers with a wide array of cloud services. We can define AWS (Amazon Web Services) as a secured cloud services platform that offers compute power, database storage, content delivery and various other functionalities.

Benefits of AWS:

AWS enables you to select the operating system, programming language, web application platform, database, and other services you need. With AWS, you receive a virtual environment that lets you load the software and services your application requires.

Why AWS:

AWS is trusted by many firms, small or big because of the features it provides. AWS helps companies with a wide variety of workloads such as game development, data processing, warehousing, achieve, development and many more. ... AWS helps firms by providing the quality services and supports their businesses.

AWS Free ?

- To help new AWS customers get started in the cloud, AWS provides a free usage tier. The Free Tier can be used for anything you want to run in the cloud: launch new applications, test existing applications in the cloud, or simply gain hands-on experience with AWS.

AWS is IaaS PaaS or SaaS ?

AWS (Amazon Web Services) is a comprehensive, evolving cloud computing platform provided by Amazon that includes a mixture of infrastructure as a service (IaaS), platform as a service (PaaS) and packaged software as a service (SaaS) offerings.

AWS is bigger that Azur?

Amazon's AWS and Microsoft's Azure are the big boys of the cloud computing world, even though AWS is much bigger than Azure. ... Well, AWS's server capacity is about 6 times larger than the next 12 competitors combined

Who use AWS

Top ten AWS Users are (According to Intricately)

- Netflix: $19 million.
- Twitch: $15 million.
- LinkedIn: $13 million.
- Facebook: $11 million.
- Turner Broadcasting: $10 million.
- BBC: $9 million.
- Baidu: $9 million.
- ESPN: $8 million.

AWS –Region

AWS have 26 Region in defferent country where have data center.

AWS Have 82 AZ(Availabilty Zone) Every country min have 2 to max 6 AZ. (Mumbai Have 3 AZ)

An Availability Zone (AZ) is one or more discrete data centers with redundant power, networking, and connectivity in an AWS Region

Create AWS Account

Create account==AWS Free Tier Account on google.search – www.aws.amazon.com –sign in – root account.

After login Important is which location you create account.

Access AWS Account

- Go to google – serach download puttygen – download – putty.exe and puttygen.exe
- Copy Aws public ip – open puttygen – load- select Linuxkey- ok – server private key- yes- save on desktop(linuxkey.ppk)

- Now open putty-paste ip or DNS – ssh- click on auth- browse – select linuxkey.ppk –yes- now server terminal will be open- login as a “ec2-user”


aws