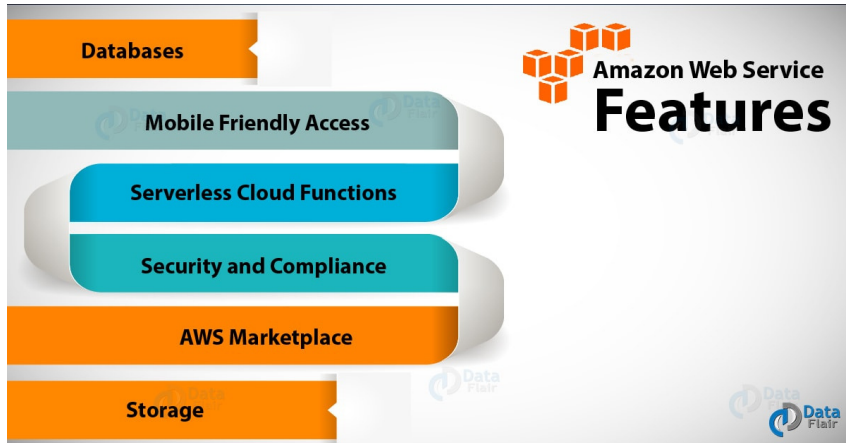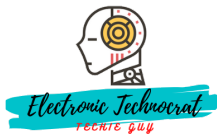# AMAZON WEB SERVICES(AWS) SNIPPETS
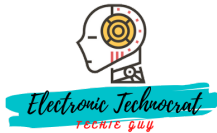
AWS Features

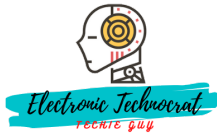AWS FEATURES – WHY AMAZON WEB SERVICE IS POPULAR

A. WHAT IS AWS?

- Amazon Web Services (AWS) is a cloud-based platform is use for building solutions for business using inter-connected web services.
- It also provides a variety of pre-built services which can benefit businesses to build their custom cloud-based solutions.
- AWS is trusted by many firms either it is small or it is 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.

- If you start an organization you will need servers that will depend on your demand.
- AWS provides a feature which allows you to choose servers according to your choice.
- These AWS features will save your time, money and potential.
- AWS helps firms by providing the quality services and supports their businesses.
- One can operate their business through a mobile or desktop
- Moreover, the user should focus only on creating code and neglecting the other aspects.
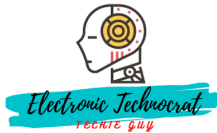
B. BEST AWS FEATURES

Mobile Friendly Access-
i. AWS Mobile Hub:

- This Amazon Web Services feature is for both Android and IOS.
- AWS Mobile Hub supports and guides you towards the suitable and compatible feature for your app.
- It includes a console that helps you to access AWS services which include development, testing, and monitoring of the mobile application.
- It includes lucid ways to select and configure mobile app features like content delivery and push notifications.
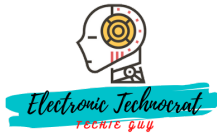
ii. AWS Mobile SDK:

- **By this AWS feature, your app can directly access to Amazon Web Services such as dynamo DB, S3, and Lambda.**
- **The Mobile SDK supports IOS, Android, Web, React Native, Unity and many more.**
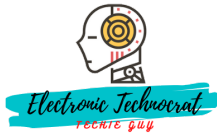

AWS FEATURES – AWS MOBILE SDK

Serverless Cloud Functions-

- Amazon API and Amazon Gateway help users by running their code and scaling it.
- The only thing a user has to do is to upload the code with the help of mobile phone.
- Users should not take care of the servers as the whole process is then managed by AWS.
- Apps which are made should deliver a great experience to the users.
- We want many tasks to be performed at once and for that, we need back-end code that runs and responds to the code.
- Managing the infrastructure to host back-end codes requires size, provision and lots of servers.

- AWS Server less cloud function helps the user in such a way that they should focus only on building the application.
- Server management is done by AWS along with it, it performs scaling, patching, and administration of the infrastructure.
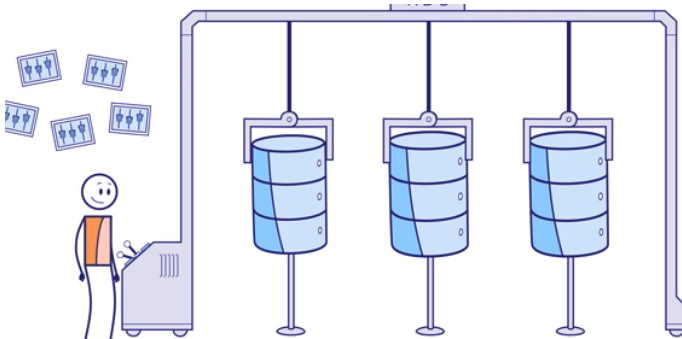
Databases-
- Amazon provides a database as per your requirement and the database provided by them are completely managed by them.
- Some of the databases and their uses are:
- i. Relational Database- Transactional Purposes.
- ii. Non-Relational Database – Internet Scale Applications.

- iii. Data Warehouse- Analytics.
- iv. In-memory data Store- Caching & Real-time workloads.
- v. Graph Database- Application with highly connected data.


AWS FEATURES — DATABASES

Storage-

- It is one of the AWS features, provide by Amazon is economical, flexible and easy to use.
- The storage provided by AWS can use independently as well as in combination to meet your requirement.
- Following are the types of storage provided by AWS.
- Amazon glacier- It is used for long-term storage.
- Amazon Simple Storage Service- It provides scalable object storage for archival, analytics and data backup.
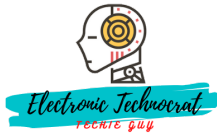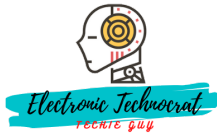
- **The Amazon EBS- It provides block-level storage volumes for persistent data storage for use with EC-2 instances.**

AWS FEATURES – STORAGE

Security and Compliance-

- As most of the companies rely on AWS so Amazon provides maximum security to the data provided by them.
- AWS features, allows the customer to scale and innovate. Customers here pay only for the service they use. Moreover, there are no upfront expenses.
- The security groups of AWS associate with EC2 instances.
- They provide security at the protocol and port access level.
- In AWS there are security rules that filter traffic coming into and out of an EC2 instance.
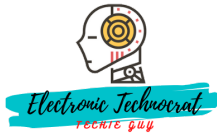
- **Rules comprise four fields which are:-**
- **Type**
- **Protocol**
- **Port Range**
- **Source**

AWS Marketplace-

- AWS Marketplace is an online store where a customer can immediately search for the suitable software or can buy it for their business.
- They can use Marketplace's one-click deployment and launch the required software by paying only for what they will use.
- It was launched in 2012 to accelerate the growth of AWS from Third party providers.

- **AWS provides commercial as well as free software and services to support the customers business.**

AWS FEATURES – AWS MARKETPLACE