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In this Task we are going to talk about 5 of AWS various Services

As we all know, AWS is immense and is never ending as they always keep in mind developing new services and updating the features of current services, and because of that.. AWS offers more that 20 Service, but we are going to talk about 5 of them only for the day.

Service #1. Amazon DynamoDB

DynamoDB is a promising addition to this list of AWS services. DynamoDB is a fully managed and serverless NoSQL database AWS service. And it is a fast and flexible database system that provides innovative opportunities to developers at low costs. It gives you single-digit millisecond performance with unlimited throughput and storage. DynamoDB has in-built tools to generate actionable insights, useful analytics, and monitor traffic trends in applications.

Service #2. AWS Aurora

Amazon Aurora is the next addition to this list of top AWS services in demand. Why? It is a MySQL and PostgreSQL compatible relational database with high performance. Believe it or not, it is five times faster than standard MySQL databases. And it allows for automating crucial tasks such as hardware provisioning, database setup and backups, and patching. Amazon Aurora is a distributed, fault-tolerant, self-healing storage system

that could scale automatically as per needs. Besides, you can even reduce costs significantly and enhance databases' security, availability, and reliability. (Would be useful for us in the classroom)

Service #3. (Which I found interesting myself) Amazon CloudFront

Amazon CloudFront is another credible mention in the list of renowned Amazon Web Services. This AWS service delivers content globally, which offers high performance and security. Mainly, it delivers data with high speed and low latency. Here, content is delivered to destinations successfully with automated network mapping and intelligent routing mechanisms. The security of data is enhanced with traffic encryption methods and access controls. Also, data can be transferred within milliseconds with its in-built data compression, edge computing capabilities, and field-level encryption. Besides, you gear up streaming high-quality video using AWS media services to any device quickly and consistently using Amazon CloudFront.

Service #4. (Found it related to my exp) Amazon Lightsail

Amazon Lightsail is the website and applications building AWS service. This service offers Virtual Private Server instances, containers, databases, and storage. It allows a serverless computing service with AWS Lambda. With Amazon Lightsail, you can create websites using pre-configured applications such as WordPress, Magento, Prestashop, and Joomla in a few clicks and at a low cost. In addition to this, it is the best tool for testing, so you can create, test, and delete sandboxes with your new ideas.

Service #5. Amazon Sagemaker

Amazon Sagemaker is the AWS service that allows building, training, and deploying Machine Learning (ML) models at a large capacity. It is an analytical tool that functions based on Machine Learning power to analyze data more efficiently. With its single tool-set, you can build high-quality ML models quickly. Amazon Sagemaker not only generates reports but provides the purpose for generating predictions too. In addition, Amazon Ground Truth Plus creates datasets without labeling applications.

<u>Thearetical</u>

Amazon Cognito:-

lets you easily add user sign-up and authentication to your mobile and web apps.

Amazon AppFlow :-

It enables you to securely transfer data between SaaS applications and AWS services without code

Amazon DynamoDB :-

Use this fully managed NoSQL database service to store and retrieve any amount of data, and serve any level of request traffic.

Amazon Kinesis:-

To securely stream video from camera-equipped devices in homes, offices, factories, and public places to AWS.

Amazon VPC:-

To launch AWS resources into a virtual network that is a logically isolated section of the AWS Cloud

Practical









