

# Overview of Amazon Web Services

**Tarun Pratap Singh, Tanuj Pratap Singh, Hansraj Yadav**

*Dronacharya College of Engineering, Gurgaon, Haryana, India.*

*Corresponding Author: Tarun.19527@ggnindia.dronacharya.info*

**Abstract:** - Amazon Web Services Provides you a wide range of services like networking, database, development etc. It works on the pay-as-you-go model. Most of the companies work on Amazon Web Services, from start-up to medium- level and from medium level to the large level.

**Key Words:** — *Amazon Web services, Networking, Data base.*

## I. INTRODUCTION

Amazon Web Services was started in 2002 with very few tools and devices. But after doing some more up-gradation in 2006 AWS launched their AmazonS3 cloud storage, EC2 and SQS services. With launching these services Amazon finally comes into the core online services. Now any IT based company doesn't have to think about the servers and anything else. other than they can go to the AWS services and can use those services for their business.

Nowadays AWS is known as the most reliable and Low-cost infrastructure for the IT services and is present in 190 countries.

## II. OBJECTIVES

The main objective of the Amazon Web Services is to provide the IT based services to the users on a low cost. User basically pays on the usage of the services.

## III. HOW IT WORKS

Amazon Web Services is divided into different services; each of the services can be distinguished according to the user requirement. User should be able to distinguish in between the services individually on the AWS services maps.

There more than 100 services are provided by AWS which Includes: -

1. Compute
2. Development of tools
3. Management
- 4 Monitoring
- 5 Security
- 6 Artificial Intelligence

*Compute EC2:* Compute EC2 is a service which provides you a resizable and far secure cloud service to the user. It is made to make the Computing part of web-scaling easily for the developers.

*Amazon EC2 Auto Scaling:* EC2 Auto Scaling helps the application to tolerate the errors easily. In EC2 the user can deal with the faults that come in his application and the user can find the fault on its own and can terminate a new instance in the application.

*Development of tools:* AWS development of tools helps the user to deliver the Software safely. It simply modifies the developer and IT operations to give the good and better results. It helps to keep an eye on the source code and to store the Source code.

*Management:* Management in AWS consist of various Activities

example Back-up services, change requests, monitoring, security and to provide the full life cycle services.

*Monitoring:* Monitoring in AWS is done to check the application

This monitoring is done on the Cloud application.

*Security:* AWS gives you the services which help you protect your data, workloads, from unwanted or unauthorized access. This is usually done with the help of threat detection and continuous monitoring etc.



Essential AWS Cloud Security Practices

*Artificial Intelligence(AI)*: AWS gives you Platform on which you develop your AI model and you can also deliver your model on AWS.



Fig 2: Artificial Intelligence

It gives the opportunities to the developers to build applications that are totally based on Machine Learning.

#### IV. AWS TOOLS

Tools which are used in the Aws totally depend on the user/ Customer needs. Each services have their own tools which are used over there: -

*Developing services:*

1. AWS CodeDeploy
2. AWS CodeStar
3. AWS Apps Mesh

*Monitoring and Tracing:*

1. AWS Cloud Watch
2. AWS X-ray

*Management:*

1. AWS OpsWorks
2. AWS Config
3. AWS Cloud Watch

#### V. HOW TO LEARN DIGITAL MARKETING

For Learning Amazon Web Services users can just choose the online course according to the pace of the learning.

Users can learn AWS from Udemy, Eduerka, and many more online educational platforms.

There are many online certification portals which provide different courses at reasonable prices and anyone can learn from home and get certified.

#### VI. CONCLUSION

AWS gives you small blocks by joining those blocks you can easily handle that workload. In AWS you can find all those services easily and by using them you can make better applications. The main thing which is better in AWS is the low costing services which are provided by AWS.

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