**CLOUD APPLICATION DEVELOPMENT**

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**WHY TO CHOOSE AWS ?**

Both AWS and azure are powerful cloud platform with wide range of services that can be used to host dynamic website

Choosing the best platform depend on our specific need. I would like to prefer AWS over Azure cloud platform as I have done more hands on AWS cloud platform as compared to azure . apart from the personal reasons , AWS also will be more suitable for ecommerce website as it provide high scalability and automation in comparison with azure platform

Scalability : E-commerce websites can experience a large amount of traffic, especially during peak shopping seasons. AWS has a high level of scalability, which means it can easily handle sudden increases in traffic without sacrificing website performance or uptime.

Security : AWS offer high level of security and services to help protect e-commerce website from attacks and exploits.

Reliability : E-commerce website need to be up and running 24/7 to ensure that customer can shop and provide good quality of service . AWS offer high level of reliability.

Automation : One of the best advantages of using AWS as it offers various automation services like cloud formation, Elastic beanstalk these services can be used to quick deployment of application.

Payment processing : AWS offer payment processing like amazon pay that can be integrate with payment option of e-commerce website.

**STEPS TO HOST E-COMMERCE WEBSITE ON AWS**

Here are the steps required to host an e-commerce website on AWS:

1. Create an AWS account: You must create an AWS account in order to access AWS services. You must enter your billing information and identity verification details while signing up.

2. Select a web hosting provider from AWS's selection, which includes Amazon S3, Amazon EC2, and Amazon Lightsail. Pick the option that best satisfies your needs and specifications.

3. Create an EC2 instance: If you decide to use Amazon EC2 as your web hosting service, you must do so. You can use a virtual computer called an EC2 instance to run your web application. There are numerous operating systems and configurations available.

4. Install web server software on your EC2 instance. This is a prerequisite for hosting a website. Popular web server programmes like Nginx and Apache are available for selection.

5. Installing and configuring an e-commerce platform, such as Magento, Shopify, or WooCommerce, is necessary in order to host an e-commerce website.

6. Upload your website: Once your web server and e-commerce platform have been configured, you must upload the files and other assets for your website to your EC2 instance.

7. Protect your website: To protect your e-commerce website, you need to build firewalls, security groups, and HTTPS for safe transactions, among other security measures.

8. Test your website: Once your web server and e-commerce platform have been configured, test your website to ensure it is operating properly.

9. Open your website to the public: Following testing, you can open your e-commerce website to the public.

The general procedures needed to host an e-commerce website on AWS are as follows. Depending on the particular requirements and intricacy of your website, the exact stages may change.