



# Amazon Web Services Course

---

Created By,  
**Michael Claudio.**  
SoftSOP.com Llc



# INTRODUCTION

# 01 Introduction

Amazon Web Services (AWS) stands as a ubiquitous cloud computing platform catering to millions of users. To grasp the essence of AWS, it's crucial to recognize it as a secure provider of cloud services, delivering a comprehensive array of tools and resources for constructing robust applications characterized by qualities such as dependability, scalability, and adaptability. AWS operates on a 'pay-as-you-go' billing model, doing away with the need for upfront or capital expenditures.

With an ever-expanding catalog of nearly 100 on-demand services, AWS offers immediate accessibility and simplified configuration. Proficiency in AWS transcends conventional website development, as this platform opens doors to a connected ecosystem of features, encompassing calculated database storage, computational prowess, content delivery, and an ever-expanding array of integrated functionalities.

Organizations across the globe harness the power of AWS to foster the development and expansion of their operations. Cloud computing has firmly established its presence, with AWS's dynamic solutions propelling its continued growth.

# 01 Introduction

## Overview of AWS

Cloud computing has become an indispensable facet of operations in businesses across all industries. Among the leading solutions elevating efficiency and bolstering diverse business functions is Amazon Web Services (AWS). In the early 2000s, organizations heavily relied on procuring and maintaining their own servers, which, unfortunately, were fraught with limitations and incurred substantial costs, demanding ongoing validation and upkeep.

As businesses expanded, the demand for optimization strategies and additional servers also swelled. The procurement and management of these resources often proved to be counterproductive and financially taxing.

In response to these challenges, Amazon Web Services has emerged as a formidable solution. Organizations leveraging AWS gain immediate access to servers, coupled with an array of advanced storage options, scalable workloads, and heightened security measures.

# 01 Introduction



# 01 Introduction

## Who Uses AWS?

The adoption of AWS in various IT environments resembles an assessment of globally successful enterprises. Numerous renowned organizations harness the capabilities of AWS to optimize their operations:

- **Adobe:** Adobe utilizes AWS to seamlessly provide multi-terabyte workspaces to its customers. By integrating with AWS Cloud, Adobe can concentrate on software development and organizational growth, relieving itself from the intricacies of infrastructure management.
- **Airbnb:** This online vacation rental marketplace maintains a substantial infrastructure on Amazon Web Services, making use of a wide spectrum of available services to bolster its operations.
- **Autodesk:** Renowned for its software solutions in entertainment, engineering, and design, Autodesk relies on AWS services like Amazon S3 and Amazon RDS. This strategic choice empowers Autodesk to prioritize the enhancement of its machine learning tools rather than diverting resources to infrastructure management.
- **America Online (AOL):** AOL turns to AWS to streamline its operations, phasing out data centers and consolidating resources. This transition enabled AOL to retire nearly 14,000 co-located and in-house servers.

# 01 Introduction

## Who Uses AWS?

- BitDefender: Specializing in internet security software, encompassing anti-spyware and antivirus products, BitDefender efficiently harnesses Amazon EC2 by overseeing several hundred instances tasked with processing approximately five terabytes of data. Moreover, BitDefender employs Elastic Load Balancer to effectively distribute incoming connection loads across availability zones, ensuring a smooth and globally seamless service delivery.

# 01 Introduction

## Services that are commonly used and provided by Amazon Web Services

The significance of the various services provided by AWS is paramount, spanning across critical areas like security, tool development, migration, custom engagement, storage, and more. Here are some of the commonly employed services within Amazon Web Services:

- Amazon EC2: EC2 offers scalable computing resources that can be effortlessly adjusted to meet user requirements. For example, in scenarios where web traffic fluctuates, EC2 can seamlessly expand its capacity to three instances when needed and then scale down to a single resource when the load decreases.
- Amazon Elastic Beanstalk: This service accommodates multiple programming languages and simplifies the scaling and management of web applications. By simply uploading your code, Elastic Beanstalk takes care of all aspects, from provisioning capacity to load balancing, auto-scaling, and health checks for your application.



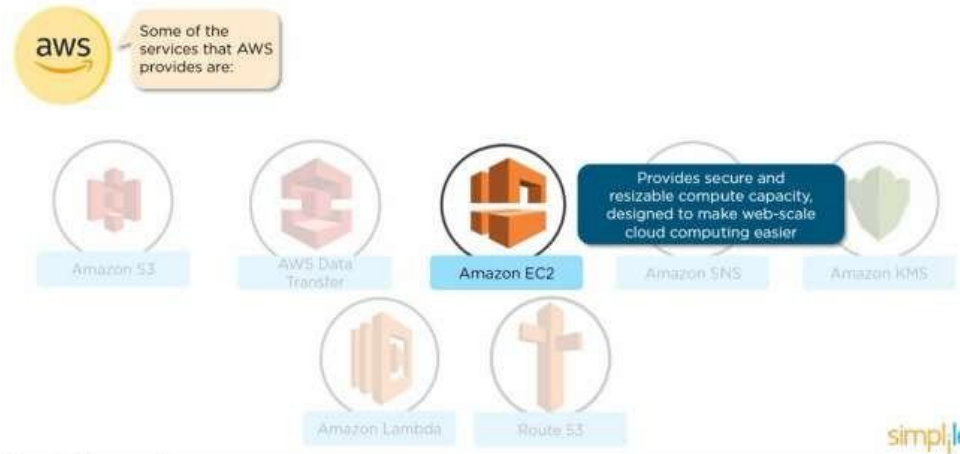
# 01 Introduction

## Services that are commonly used and provided by Amazon Web Services

- Amazon Lightsail: Amazon Lightsail offers a user-friendly, private server environment equipped with all essential components for the swift launch of a project. This encompasses tools for data transfer, SSD-based storage, static IP addresses, and DNS management, making it an optimal choice for rapidly deploying applications on virtual machines.
- Amazon Lambda: Amazon Lambda empowers organizations to execute code without the requirement for server management or provisioning. It automatically scales, seamlessly transitioning from handling just a few requests per day to processing numerous requests per second. Organizations are exclusively billed for the computing time consumed, with no charges incurred when the code is inactive.

# 01 Introduction

## The Services AWS offers



## The Services AWS offers



# 01 Introduction

## Why use AWS?

Organizations opt for Amazon Web Services (AWS) for a multitude of reasons, given its extensive array of cloud computing services and advantages. Here are some of the primary motives driving businesses and individuals to choose AWS:

- **Scalability:** AWS delivers the capacity to flexibly adjust resources in response to demand fluctuations. This elasticity empowers organizations to manage variable workloads efficiently, ensuring they pay solely for the resources they utilize.
- **Cost-Efficiency:** AWS operates on a pay-as-you-go model, meaning users incur charges solely for the resources and services they actively utilize. This often results in cost savings when compared to maintaining on-premises infrastructure.
- **Global Reach:** AWS boasts a vast network of data centers and availability zones spread across the globe. This expansive global infrastructure allows businesses to deploy their applications and services in close proximity to their target audience, reducing latency and enhancing overall performance.

# 01 Introduction

## Why use AWS?

- **Security:** AWS places a paramount emphasis on security and offers a comprehensive suite of security features, encompassing encryption, identity and access management, and compliance certifications. Users also have the autonomy to implement their own security measures to safeguard their data and applications.
- **Reliability:** AWS touts a remarkably reliable infrastructure with inherent redundancy and failover mechanisms. This meticulous design minimizes downtime, guaranteeing the availability of applications even in the event of hardware failures.
- **Flexibility:** AWS delivers an extensive spectrum of services, spanning computing, storage, databases, machine learning, and more. This versatility empowers organizations to cherry-pick the ideal services to suit their precise requirements and effortlessly adapt to evolving needs.
- **Innovation:** AWS maintains a cutting-edge position in cloud technology by consistently introducing novel services and features. Users can harness these innovations to elevate their applications and gain a competitive edge.
- **Developer-Friendly:** AWS provides developers with user-friendly tools and resources, streamlining the process of building, deploying, and managing applications. It supports a diverse range of programming languages and frameworks.

# 01 Introduction

## Why use AWS?

- **Community and Support:** AWS boasts a vibrant and expansive user community, simplifying the process of accessing resources, tutorials, and solutions for common challenges. Additionally, AWS offers a variety of support plans tailored to cater to different levels of assistance.
- **Data Analytics and Machine Learning:** AWS delivers robust data analytics and machine learning services, enabling organizations to extract valuable insights from their data and construct intelligent applications.
- **Internet of Things (IoT):** AWS provides IoT services that facilitate device connectivity, management, data collection, and the development of IoT applications.
- **Hybrid and Multi-Cloud Capabilities:** AWS equips users with tools and services that streamline hybrid and multi-cloud deployments, enabling seamless integration of on-premises infrastructure with cloud resources.
- **In summary,** AWS is the preferred choice due to its comprehensive cloud infrastructure, reliability, and extensive service offerings, empowering businesses to innovate, expand, and operate efficiently in the digital era.

The background features several overlapping geometric shapes in teal, green, and yellow. In the top right, there is a large teal shape, a green shape, and two yellow shapes. In the bottom left, there is a teal shape, a green shape, and a yellow shape. The text 'AWS EC2' is centered in the middle of the page.

**AWS EC2**

# 02 AWS EC2

## What is AWS EC2, and why are Businesses Choosing it?

Amazon Elastic Compute Cloud (Amazon EC2), a fundamental service provided by Amazon Web Services (AWS), furnishes a cloud-based infrastructure featuring scalable and adaptable virtual machine instances colloquially known as "EC2 instances." These instances empower businesses and developers to execute an extensive spectrum of applications and workloads, all without the necessity of investing in physical hardware or overseeing on-premises servers. Here's why businesses are increasingly favoring AWS EC2:

- **Scalability:** EC2 instances offer effortless scalability, allowing swift adjustments in response to business demands. Whether it involves managing surges in website traffic during marketing campaigns or downsizing during periods of reduced usage, this elasticity optimizes both costs and performance.
- **Variety of Instance Types:** AWS presents a comprehensive array of EC2 instance types, each tailored to specific use cases. These encompass instances optimized for compute-intensive tasks, memory-intensive applications, storage-centric workloads, and more. Businesses can select the instance type that precisely aligns with their unique requirements.

# 02 AWS EC2

## What is AWS EC2, and why are Businesses Choosing it?

- **Cost Efficiency:** AWS follows a pay-as-you-go pricing model, where businesses are exclusively charged for the EC2 instances they utilize and the hours those instances are active. This cost-efficient approach eliminates the necessity for upfront capital investments in hardware and offers the flexibility for cost optimization through instance resizing or termination.
- **Global Reach:** AWS maintains a worldwide network of data centers and availability zones, enabling businesses to deploy EC2 instances in multiple regions. This strategic deployment reduces latency and guarantees a seamless user experience for individuals across the globe.
- **Security:** AWS furnishes an array of security features tailored for EC2 instances, encompassing identity and access management, network security groups, and the capability to encrypt data both at rest and in transit. These robust features enable businesses to meet their stringent security and compliance requirements.
- **High Availability:** EC2 instances can be configured to operate across multiple availability zones, ensuring redundancy and bolstering high availability. This configuration minimizes downtime, guaranteeing uninterrupted accessibility to applications even in the event of hardware failures.



# 02 AWS EC2

## What is AWS EC2, and why are Businesses Choosing it?

- **Flexibility:** EC2 instances provide support for an extensive array of operating systems and applications. This remarkable flexibility empowers businesses to deploy virtually any software stack required, rendering it suitable for a diverse spectrum of use cases, ranging from web hosting to large-scale data processing.
- **Developer-Friendly:** AWS equips users with an assortment of developer tools and resources designed to streamline the deployment and management of EC2 instances. These encompass the user-friendly AWS Management Console, the versatile AWS Command Line Interface (CLI), and automation tools such as AWS Elastic Beanstalk and AWS OpsWorks.
- **Community and Support:** AWS boasts a substantial and engaged user community, simplifying access to resources, documentation, and support whenever businesses require assistance. Additionally, AWS offers a range of support plans tailored to cater to different levels of assistance.

In conclusion, businesses opt for AWS EC2 due to its scalability, cost efficiency, security, and adaptability, all of which are essential for running a wide range of applications and workloads in the cloud. EC2 instances serve as a foundational element of AWS, allowing businesses to swiftly respond to evolving demands and foster innovation without being constrained by physical infrastructure limitations.

The background features several overlapping geometric shapes: a teal triangle pointing right at the top left, a yellow triangle pointing left at the top right, a green triangle pointing right at the bottom left, and a yellow triangle pointing left at the bottom right. In the center, there is a cluster of overlapping shapes including a teal parallelogram, a yellow parallelogram, a green parallelogram, and a yellow diamond.

# **CLOUD COMPUTING**

# 03 CLOUD COMPUTING

## What is cloud computing?

In straightforward terms, cloud computing refers to the provision of on-demand computing services, encompassing applications, storage, and processing power, typically over the internet, and structured on a pay-as-you-go model. Instead of procuring, owning, and maintaining physical data centers and servers, you can access technology services like computing power, storage, and databases as needed, on an hourly basis, from a cloud provider such as Amazon Web Services (AWS). Organizations of all sizes, across various industries, leverage the cloud for a wide array of applications, including data backup, disaster recovery, email services, virtual desktops, software development and testing, and customer-facing web applications.

For instance, healthcare companies utilize the cloud to develop personalized patient treatments, financial services firms rely on the cloud for real-time fraud detection and prevention, and video game developers employ the cloud to deliver online games to millions of players worldwide. Cloud computing empowers your business to become more agile, reduce costs, scale instantly, and deploy globally within minutes. It grants you immediate access to a broad spectrum of technologies, facilitating faster innovation and turning your boldest ideas into reality. From infrastructure services like computing, storage, and databases to advanced data analytics and more, you can deploy technological solutions in a matter of minutes, opening up a world of possibilities for your business.

# 03 CLOUD COMPUTING

## What is cloud computing?

It gives you the freedom to experiment and testing ideas to differentiate customer's experiences and transform your business such as adding machine learning and intelligence to your apps in order to personalize experience for your customers and improve their engagements. You don't need to make large up-front investments and hardware and over pay for capacity you don't use instead you can trade capital expense for variable expense and only pay for IT as you consume it.



# 03 CLOUD COMPUTING

## Benefits of cloud computing?

Cloud computing provides a diverse array of advantages that have positioned it as a favored choice for businesses spanning all sizes and industries. Here are some of the foremost benefits of cloud computing:

- **Cost Efficiency:** Cloud computing eliminates the necessity for businesses to invest in and manage on-premises hardware and infrastructure. This transition from capital expenditures (CapEx) to operational expenditures (OpEx) can yield substantial cost savings, as businesses only incur charges for the resources they actively utilize on a pay-as-you-go basis.
- **Scalability:** Cloud services offer effortless scalability, allowing quick adjustments to accommodate shifting workloads and evolving business demands. This scalability ensures that businesses can meet demand without the risk of over-provisioning or resource shortages during peak periods.
- **Flexibility:** Cloud platforms provide a vast array of services and tools tailored to various use cases. Businesses have the liberty to select and tailor these services to precisely align with their specific requirements, spanning computing, storage, databases, machine learning, and more.
- **Accessibility:** Cloud resources and data are accessible from anywhere with an internet connection. This accessibility fosters remote work, collaboration, and global reach, simplifying the process for businesses to expand their operations and serve a broader audience.

# 03 CLOUD COMPUTING

## Benefits of cloud computing?

- **Reliability and Availability:** Prominent cloud providers such as AWS, Azure, and Google Cloud guarantee high levels of redundancy and dependability. They maintain multiple data centers and availability zones, safeguarding continuous service availability even in the face of hardware failures or unforeseen disasters.
- **Security:** Cloud providers make substantial investments in security protocols, encompassing encryption, identity and access management, and compliance certifications. For many businesses, these cloud environments offer a higher level of security than they can establish independently.
- **Automatic Updates:** Cloud providers assume responsibility for software updates, security patches, and maintenance tasks. This ensures that businesses consistently operate the most current and secure versions of software and services.
- **Data Backup and Recovery:** Cloud providers typically provide robust data backup and recovery solutions, mitigating the risk of data loss stemming from hardware failures or unforeseen disasters. Businesses can readily implement these data backup and recovery strategies to fortify their data protection efforts.

# 03 CLOUD COMPUTING

## Benefits of cloud computing?

- **Collaboration:** Cloud-based collaboration tools and applications simplify teamwork, irrespective of team members' physical locations. Real-time document sharing and communication tools are readily accessible, enhancing collaboration and communication.
- **Innovation and Speed:** Cloud computing facilitates swift development and deployment of applications and services. Developers can tap into a wealth of pre-existing tools and APIs to expedite the development process, fostering innovation and agility.
- **Environmental Impact:** Cloud providers often operate more energy-efficient data centers, assisting businesses in reducing their environmental footprint by optimizing resource usage and energy consumption.
- **Competitive Advantage:** Cloud computing empowers businesses to maintain their competitive edge by swiftly embracing new technologies, experimenting with innovative concepts, and responding to market shifts with greater agility and efficiency.
- **Global Reach:** Cloud providers maintain data centers across multiple regions, enabling businesses to deploy applications in close proximity to their target audience. This **localization** enhances performance and reduces latency, ensuring a better user experience for a **global customer base**.

# 03 CLOUD COMPUTING

## Benefits of cloud computing?

- **Business Continuity:** Cloud services support disaster recovery plans and business continuity strategies, ensuring that critical operations can continue even in adverse circumstances.

These benefits of cloud computing have transformed the way businesses operate, making it a powerful tool for driving efficiency, innovation, and competitiveness in the digital age.



The background features several overlapping geometric shapes: a teal triangle pointing right at the top left, a yellow triangle pointing left at the top right, a green triangle pointing right at the bottom left, and a yellow triangle pointing left at the bottom right. The text is centered in the middle of the page.

# **HOW TO SIGN UP ON AWS**

# 04 HOW TO SIGN UP ON AWS

Step 1: Visit [aws.amazon.com](https://aws.amazon.com) and click on 'Create an AWS Account.'

Step 2: Select the option that says 'I am a new customer,' enter your email address, and then click on 'Sign In.'

Step 3: On the next page, provide all the required information and click on 'Create Account.'

Step 4: Continue by entering your details and click 'Create Account.'

Step 5: You will be prompted to enter your credit or debit card details on this page. Once done, click 'Continue.'

Step 6: Next, you'll need to verify your phone number. Enter the required details and click 'Call me Now.'

Step 7: You will receive a call from AWS, and you'll be asked to enter a PIN. After that, select your AWS plan, but before that, click 'Next.'

Step 8: Now, choose a plan that suits your needs. For this example, we will use a basic plan for personal use.

Step 9: Congratulations! Your AWS Account has been successfully created and is ready for use. Sign in and get started!

# 04 HOW TO SIGN UP ON AWS



Explore Free Tier products with a new AWS account.

To learn more, visit [aws.amazon.com/free](https://aws.amazon.com/free).



## Sign up for AWS

### Create your password

✔ It's your email address has been successfully verified. ✕

Your password provides you with sign in access to AWS, so it's important we get it right.

Root user password

Confirm root user password

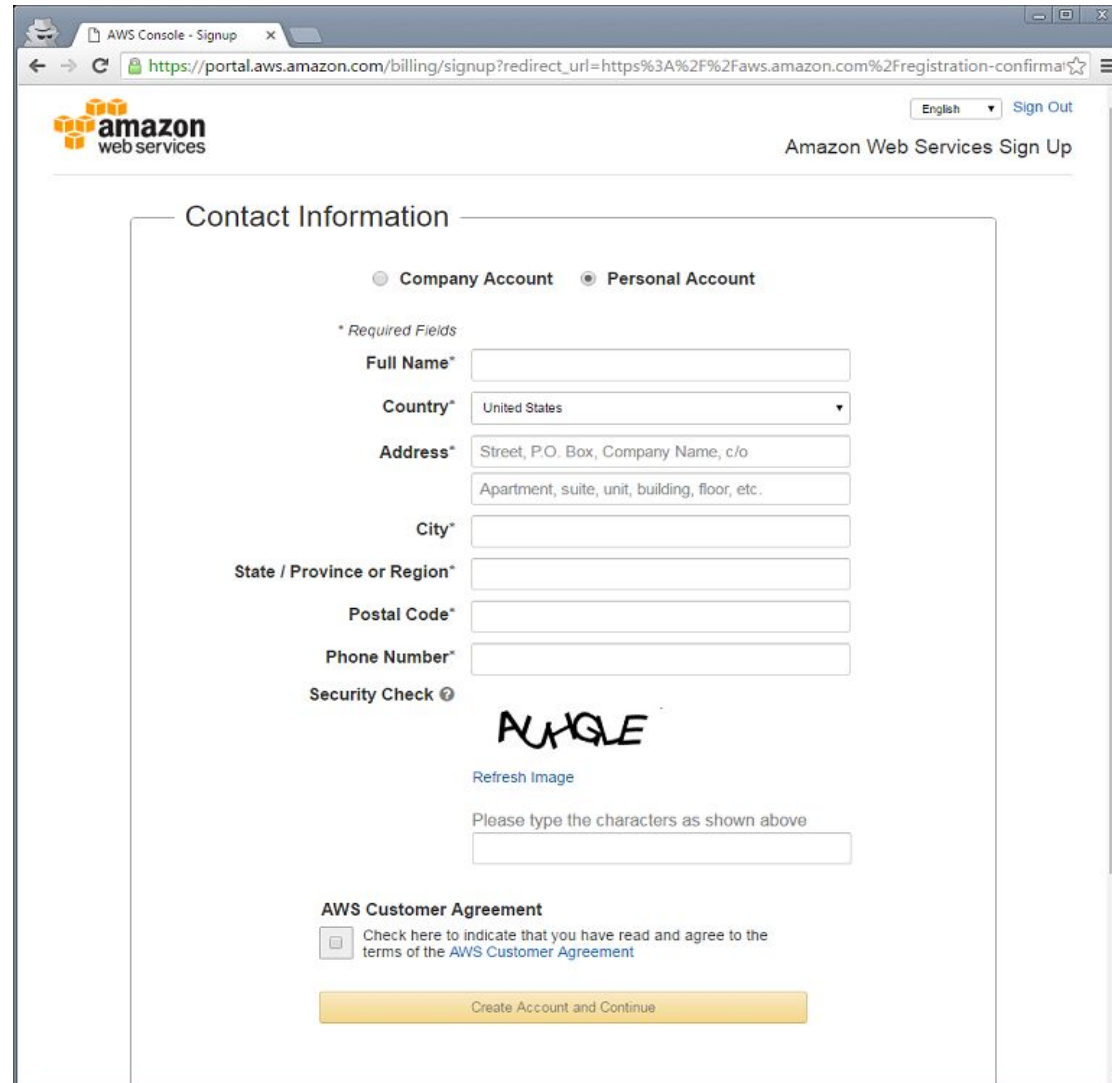
Continue (step 1 of 5)

OR

Sign in to an existing AWS account



# 04 HOW TO SIGN UP ON AWS



The screenshot shows the AWS Console Sign-up page. The browser address bar displays the URL: [https://portal.aws.amazon.com/billing/signup?redirect\\_url=https%3A%2F%2Faws.amazon.com%2Fregistration-confirmation](https://portal.aws.amazon.com/billing/signup?redirect_url=https%3A%2F%2Faws.amazon.com%2Fregistration-confirmation). The page features the Amazon Web Services logo and a "Sign Out" link. The main heading is "Amazon Web Services Sign Up".

The "Contact Information" section includes two radio buttons: "Company Account" and "Personal Account". Below this, a list of "Required Fields" is shown:

- Full Name\* (text input)
- Country\* (dropdown menu, currently set to "United States")
- Address\* (two stacked text input fields: "Street, P.O. Box, Company Name, c/o" and "Apartment, suite, unit, building, floor, etc.")
- City\* (text input)
- State / Province or Region\* (text input)
- Postal Code\* (text input)
- Phone Number\* (text input)

A "Security Check" section contains a CAPTCHA image with the word "AUXGLE" written in a stylized font. Below the image is a "Refresh Image" link and a text prompt: "Please type the characters as shown above" followed by a text input field.

The "AWS Customer Agreement" section has a checkbox and the text: "Check here to indicate that you have read and agree to the terms of the [AWS Customer Agreement](#)".

At the bottom of the form is a yellow button labeled "Create Account and Continue".

# 04 HOW TO SIGN UP ON AWS

**Let's start with organizing an EC2 illustration.**

Step 1: Open the AWS Management Console and log in.

Step 2: Select a region from the dropdown menu.

Step 3: Under the Compute section, click on "EC2" to access the EC2 dashboard.

Step 4: Choose "Launch Instance" and then select an Amazon Machine Image (AMI). For this illustration, we will choose a "Windows 2016 Server Instance" that falls within the free tier.

Step 5: After selecting your desired AMI, choose the instance type. This is where you specify the required level of computing power to start with. For now, since our application is lightweight, we will use the free tier option.

Step 6: Configure all the necessary details and click on "Add Storage."

Step 7: Configure your storage devices, and once done, click on "Tag Instance."

Step 8: Give your instance a name or label for identification.

Step 9: Configure your security group at this point.

Step 10: Review all the settings, and once you are confident everything is correct, launch your instance!

# 04 HOW TO SIGN UP ON AWS

Step 11: In the next stage, you'll be prompted to create a key pair. Generate one and download it to an easily accessible location.

Step 12: Choose your instance and click on 'Connect.'

Step 13: After clicking to connect, the following screen will appear. Copy the public IP and then click on 'Get Password.'

Step 14: Select the downloaded key pair and click 'Decrypt the Password.'

Step 15:

- Copy both the password and the public IP.
- Ensure that these details are stored securely.
- Keep them accessible as they will be needed in the next step.

Step 16: Now that you have the password and public IP, let's establish a connection to our instance. Open your remote desktop manager, enter the public IP address, and click 'Connect.'

Step 17: Enter the secure password and click 'OK.'

Step 18: At this stage, you'll see a message saying, "Congratulations! Windows Server on EC2 is at your service!"

# 04 HOW TO SIGN UP ON AWS

**Now, the next step to take is to create an RDS illustration for MySQL.**

Step 1: Access the AWS Management Console and select the RDS service.

Step 2: Since we will be creating an instance with MySQL, choose the MySQL option from the list of available databases.

Step 3: Since this instance is intended for demonstration purposes, select the 'Dev/Test' option and click on 'Next Step.'

Step 4: In the next stage, provide the following details:

- Choose your preferred DB instance type.
- Decide whether to enable Multi-AZ for your MySQL DB.
- Specify the amount of storage you want to allocate to your DB instance, ranging from 5GB to 6TB.
- Set your desired username and password for the DB instance, which you will use in the future.

# 04 HOW TO SIGN UP ON AWS

Step 5: The next phase involves configuring Advanced Settings for your DB instance.

- Choose the Virtual Private Cloud (VPC) for your instance. If you do not wish to launch your instance within a VPC, you can skip the default settings.
- Select the version of the DB you intend to use. For example, in this case, we are using MySQL 5.6.
- Set your backup preferences, including the retention period, and more.
- Define the maintenance window, which is the time frame during which the DB instance undergoes updates.

Once you have entered all the necessary details, proceed to launch the DB instance!

Step 6: After completing these steps, you will receive a notification that reads, "Congratulations! Your first RDS Instance is ready!"



# 04 HOW TO SIGN UP ON AWS

**Let us now configure the RDS instance to link your EC2 server.**

Step 1: Access the RDS Dashboard and select your RDS instance.

Step 2: In the next stage, you will edit the 'Security Group.' Why? Because you want your EC2 instance to connect to the RDS Instance. This means you need to include the IP address of the EC2 instance at this point.

Step 3: Choose the 'Security Group' and then select the 'Inbound Rules.' Click on 'Edit.'

Step 4: Select 'MySQL/Aurora' and input the Public IP address of the EC2 instance in the designated field. Note: Ensure that the IP address you enter here is followed by '/32' to convert it to CIDR notation. Finally, click 'Save.' Your RDS instance is now configured to accept commands from your EC2 instance.

# 04 HOW TO SIGN UP ON AWS

## Connecting the RDS Instance Now!

Step 1: Open the command prompt and navigate to the 'bin' directory of your MySQL installation.

Step 2: In the next step, you'll need to copy the endpoint from the RDS dashboard. This endpoint will be essential for connecting to the RDS instance. The endpoint includes a port number '3306,' which you will also need in the next phase.

Step 3: Return to the command prompt and enter the following command. You will be prompted to enter the password you used while creating your RDS instance. Once you provide the correct password, you're ready to proceed!

The background features several overlapping geometric shapes: a teal triangle pointing down from the top center, a yellow diamond on the right, a green diamond overlapping the yellow one, a teal diamond overlapping the green one, a teal triangle pointing right from the left edge, and a yellow triangle pointing down from the bottom left.

# **HOSTING AND UPLOADING YOUR WEBSITE**

# 05 HOSTING AND UPLOADING YOUR WEBSITE

## How to Host your website!

Step 1: Click 'Begin' and open Server Manager on the EC2 instance.

Step 2: Select 'Add Features and Roles.'

Step 3: Proceed by clicking 'Next' on the significant page. On the following page, choose the specified option and click 'Next.'

Step 4: Choose the 'Server Pool' option and click 'Next.'

Step 5: Select the IIS web server from the list and click 'Next.'

Step 6: Choose the .NET Frameworks as indicated and click 'Next.'

Step 7: This step involves the confirmation page. Review the components being installed, then click 'Install.'

# 05 HOSTING AND UPLOADING YOUR WEBSITE

As soon as you've installed IIS, you can now see it appearing on your server manager dashboard. Afterward, you can install Microsoft Web Platform Installer.

Step 8 : Launch IIS now, double-tap the server, and tap on the web platform installer from the Management Section.

We will be organizing an app for PHP web. Thus we require an installed PHP on this server to need a Web Platform Installer.

Step 9 : Use your search bar of WPI in searching for PHP, install the following package.

Step 10 : As soon as it's installed, you can now view your PHP manager from IIS.

# 05 HOSTING AND UPLOADING YOUR WEBSITE

## Uploading your website to this EC2 server

Step 1: Begin by duplicating all your website files to the following folder: "C:/inetpub/wwwroot" on the server.

Step 2: Return to IIS, select the server, and right-click on 'Sites.'

Step 3: Under the site's name, provide an appropriate name for your website. In the next step, specify the corresponding physical path. Finally, click 'OK.' Your website is now created and accessible live!

Step 4: Enter the public IP address of the EC2 instance, and your website will be up and running. Fill in the required details and click 'Add.'

# 05 HOSTING AND UPLOADING YOUR WEBSITE

Step 5: Confirm that the RDS connection with the EC2 instance is working correctly. Any input you provide here is being saved in your RDS instance, ensuring the security of your website on your EC2 instance. Click 'Go Back.'

Step 6: On the crucial page, select 'View Results.' This page will display the records existing in your MySQL table. Congratulations! You have completed this section, and I hope you found it enjoyable.

If you've read through this successfully, congratulations! You are no longer a novice in AWS! Continue practicing because practice makes perfect when it comes to learning.



**CONCLUSION**



# CONCLUSION

In today's fast-paced and ever-evolving business landscape, the demand for on-demand services is on the rise. Amazon Web Services (AWS) has emerged as a practical solution for businesses in search of cost-effective, reliable, and scalable cloud computing services.

AWS has a global presence, with a presence in 22 distinct geographic regions. This extensive reach empowers organizations to efficiently manage a wide range of services, including software development, data processing, game development, and data warehousing.

One notable advantage of AWS is its Elastic Compute Cloud (EC2) service, which provides access to a virtual cluster of computers via the internet. This means that the responsibility of managing hardware resources is taken care of by AWS's robust server farms located around the world.

Whether your business is a startup or an established enterprise, AWS offers an ideal solution, ensuring maximum uptime, cost efficiency, and unwavering support. It undoubtedly delivers a strong return on investment, making it a compelling choice for businesses of all sizes.



# Thank you

---

Congratulations on successfully completing our Amazon Web Services Course! 🎉 We're thrilled to have been part of your learning journey, and we hope you found the course both informative and enjoyable.

Created By,

**Michael Claudio.**

**SoftSOP.com Llc**