amazon
web services

Agenda

- AWS Introduction
- Cloud Service Models
- Shared Responsibility Model
- AWS Account Creation
- AWS Usecase - Static Website Hosting
- AWS Certification Paths
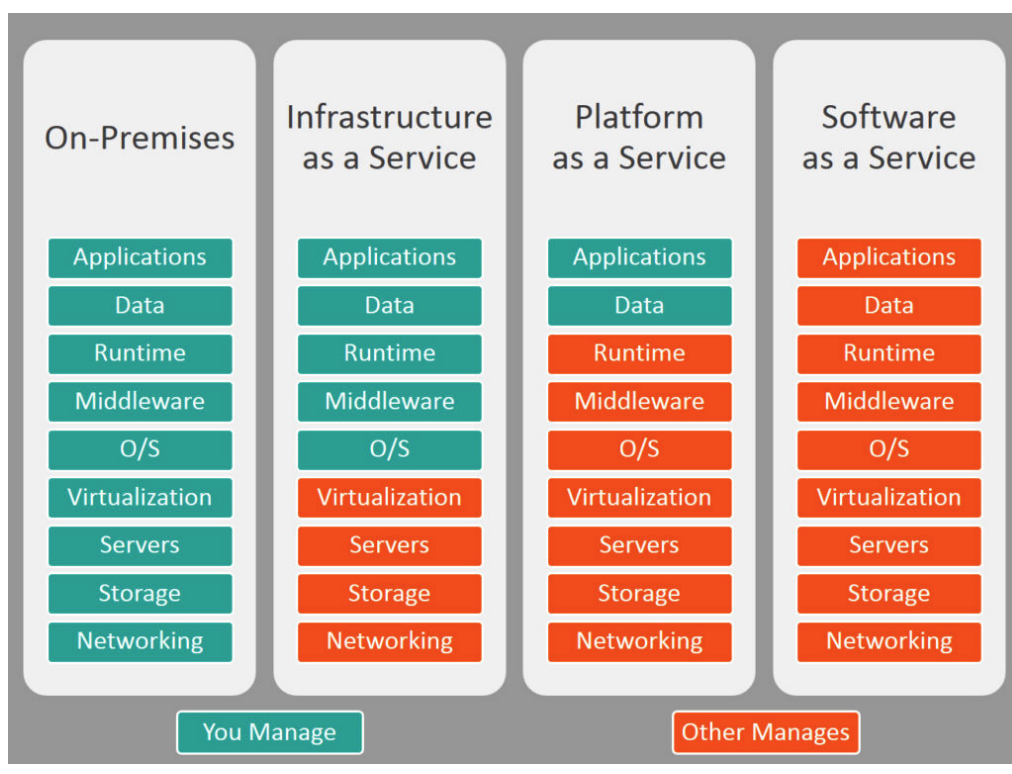- ZI - Zero's Initiative
- Q&A Session

Cloud computing gives you access to servers, storage, databases and a broad set of application services over the internet. A cloud services provider such as Amazon Web Services, owns and maintains the network-connected hardware required for these application services, while you provision and use what you need via a web application.
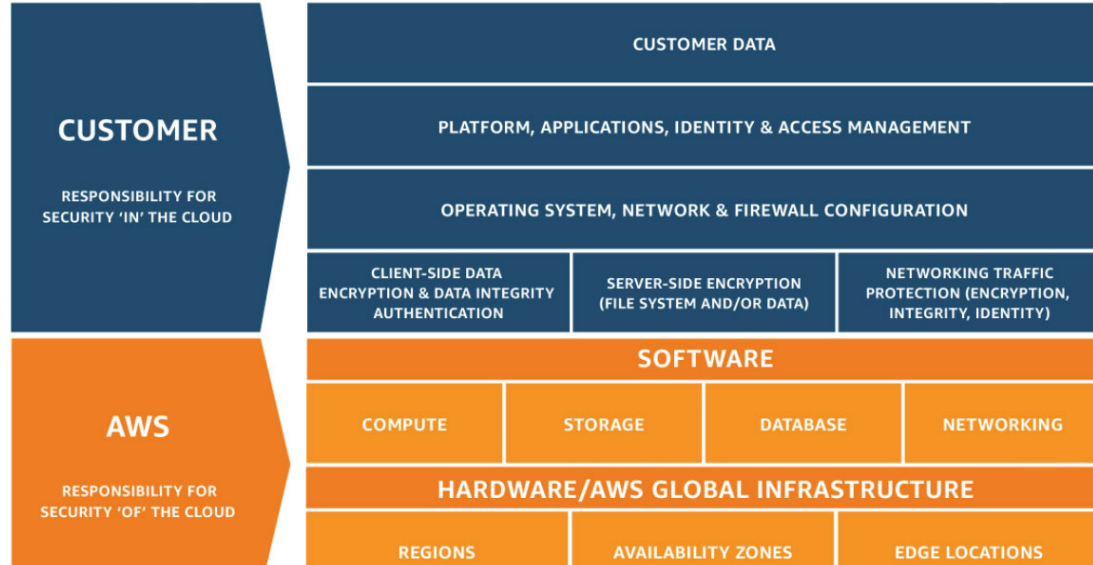
Amazon Web Services offers reliable, scalable and inexpensive cloud computing services. Free to join, pay only for what you use.

Cloud Service Models

On-Premises	Infrastructure as a Service	Platform as a Service	Software as a Service
Applications	Applications	Applications	Applications
Data	Data	Data	Data
Runtime	Runtime	Runtime	Runtime
Middleware	Middleware	Middleware	Middleware
O/S	O/S	O/S	O/S
Virtualization	Virtualization	Virtualization	Virtualization
Servers	Servers	Servers	Servers
Storage	Storage	Storage	Storage
Networking	Networking	Networking	Networking

You Manage / Other Manages

Shared Responsibility Model

CUSTOMER — RESPONSIBILITY FOR SECURITY 'IN' THE CLOUD

- CUSTOMER DATA
- PLATFORM, APPLICATIONS, IDENTITY & ACCESS MANAGEMENT
- OPERATING SYSTEM, NETWORK & FIREWALL CONFIGURATION
- CLIENT-SIDE DATA ENCRYPTION & DATA INTEGRITY AUTHENTICATION
- SERVER-SIDE ENCRYPTION (FILE SYSTEM AND/OR DATA)
- NETWORKING TRAFFIC PROTECTION (ENCRYPTION, INTEGRITY, IDENTITY)

AWS — RESPONSIBILITY FOR SECURITY 'OF' THE CLOUD

SOFTWARE
- COMPUTE
- STORAGE
- DATABASE
- NETWORKING

HARDWARE/AWS GLOBAL INFRASTRUCTURE
- REGIONS
- AVAILABILITY ZONES
- EDGE LOCATIONS

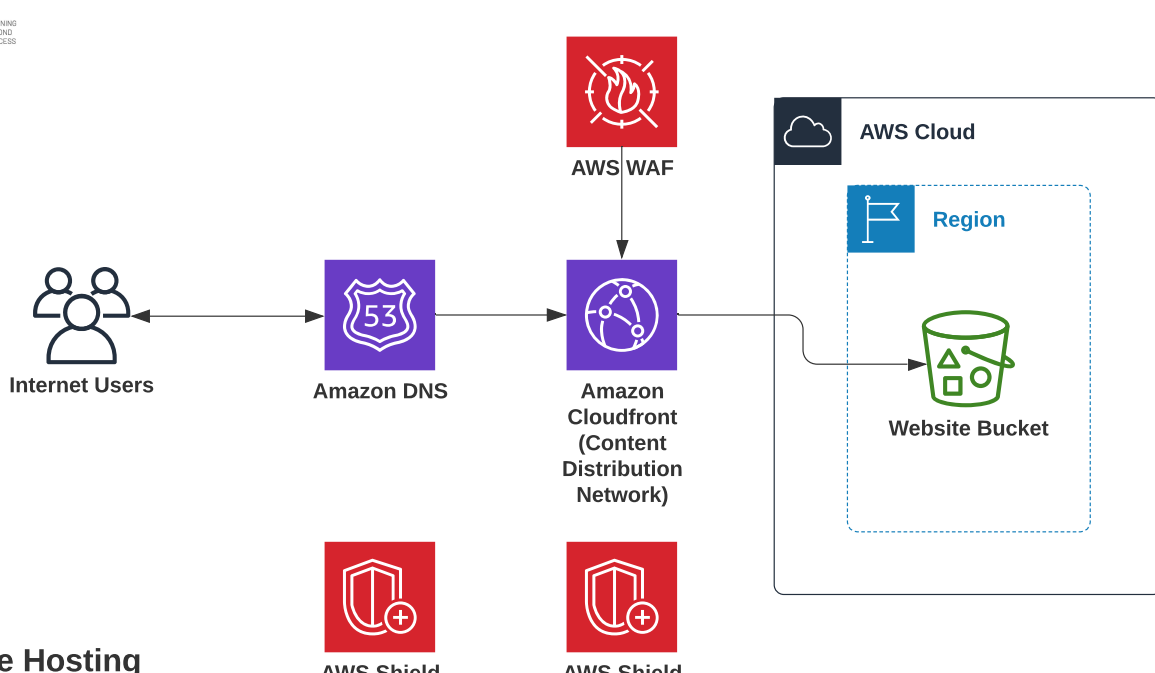## AWS Account Creation

AWS Free Tier

AWS allows organizations to create free tier accounts which have limits for some services per month. The free tier account is free to use within the limits for 12 months. Once 12 months are over, the account is out of free tier and charges will be there depending on the services used.

https://aws.amazon.com/free

- Sign up using an existing or new email address
- Sign up using a debit/credit card
- Payment of Rs 2/- will be debited and then credited back for card verification
- Verify mobile number in the next page
- Enter personalization details and get started with the AWS account on activation confirmation through mail
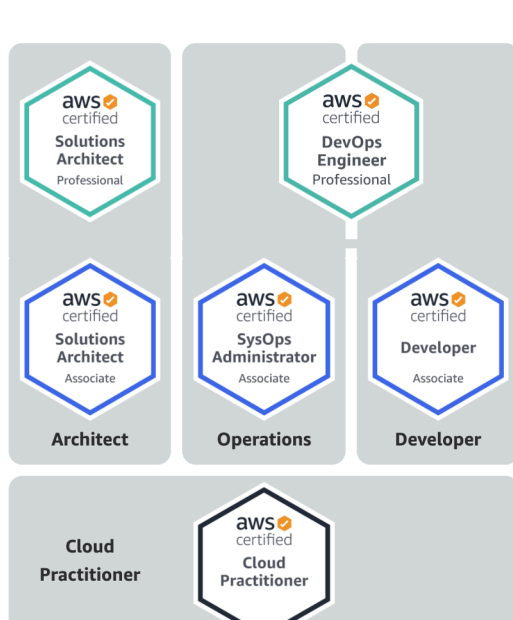

Website Hosting

Internet Users → Amazon DNS → Amazon Cloudfront (Content Distribution Network) → AWS Cloud / Region / Website Bucket

AWS WAF
AWS Shield
AWS Shield

Professional

Two years of comprehensive experience designing, operating, and troubleshooting solutions using the AWS Cloud

- Solutions Architect Professional
- DevOps Engineer Professional

Associate

One year of experience solving problems and implementing solutions using the AWS Cloud

- Solutions Architect Associate — Architect
- SysOps Administrator Associate — Operations
- Developer Associate — Developer

Foundational

Six months of fundamental AWS Cloud and industry knowledge

- Cloud Practitioner
- Cloud Practitioner

Specialty

Technical AWS Cloud experience in the Specialty domain as specified in the exam guide

- Advanced Networking Specialty
- Security Specialty
- Machine Learning Specialty
- Alexa Skill Builder Specialty
- Data Analytics Specialty
- Database Specialty
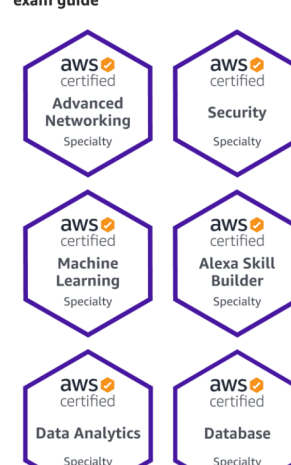
Zero's Initiative
AWS, Microservices, DevOps

Our Achievements :

- 19 students have passed AWS exams
- Conducted awareness and guest lectures at 12 colleges
- 1500+ students impacted
- 200+ industry professionals trained
- Guided industry professionals reach the next level in their career and salary range

Education is and always should be given for free. When you leave this planet, you are not going to take anything with you. You have to build a meaningful, purposeful life for yourself and use that experience to impact the lives of others.

For any further queries or getting trained on AWS, please do write an email to info@epinomi.com