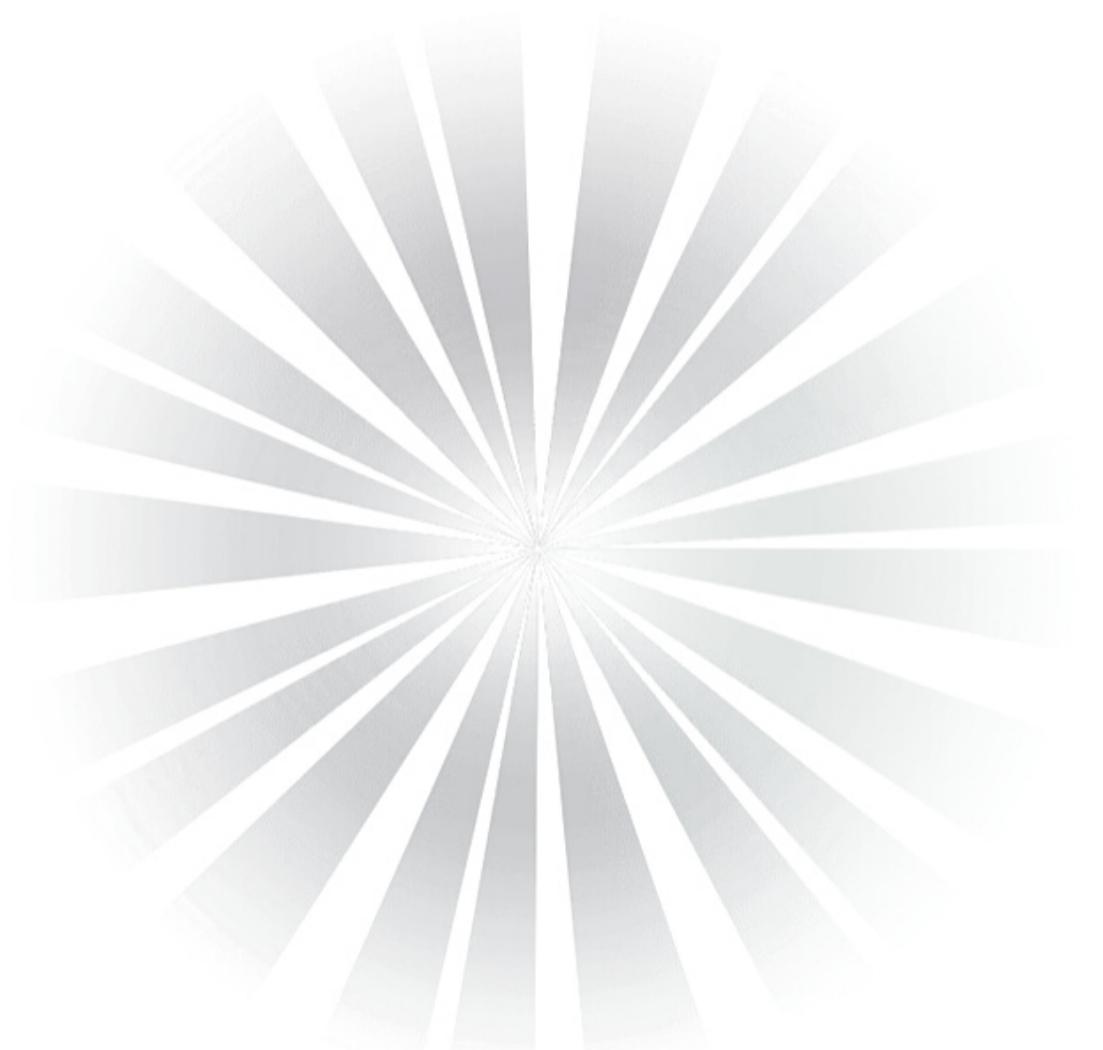


# AWS Cloud Services and their usage.



Punit Patel  
Sr. Technical Cloud Engineer



# What Next ?

## CLOUD COMPUTING

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- Cloud Services Models
- Introduction to Cloud Providers

## AWS

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- Introduction to AWS
- Live Demo of creating VM server
- AWS Domain & Services

# Cloud Computing Models

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- Deployment Model
- Service Model

# Deployment Models

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- Public Cloud
- Private Cloud
- Hybrid Cloud



# SERVICE MODEL

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- IaaS
- PaaS
- SaaS



# Cloud Products

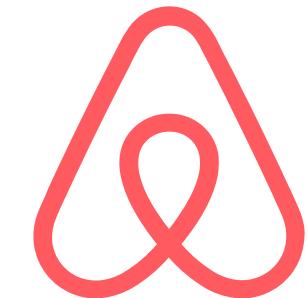
- Google Drive
- Airbnb
- Amazon
- Netflix
- Amazon Prime Video

NETFLIX

amazon



Google Drive



airbnb

# VARIOUS CLOUD PROVIDERS

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- AWS
- Azure
- GCP
- ...





# GETTING STARTED WITH AWS SERVICES

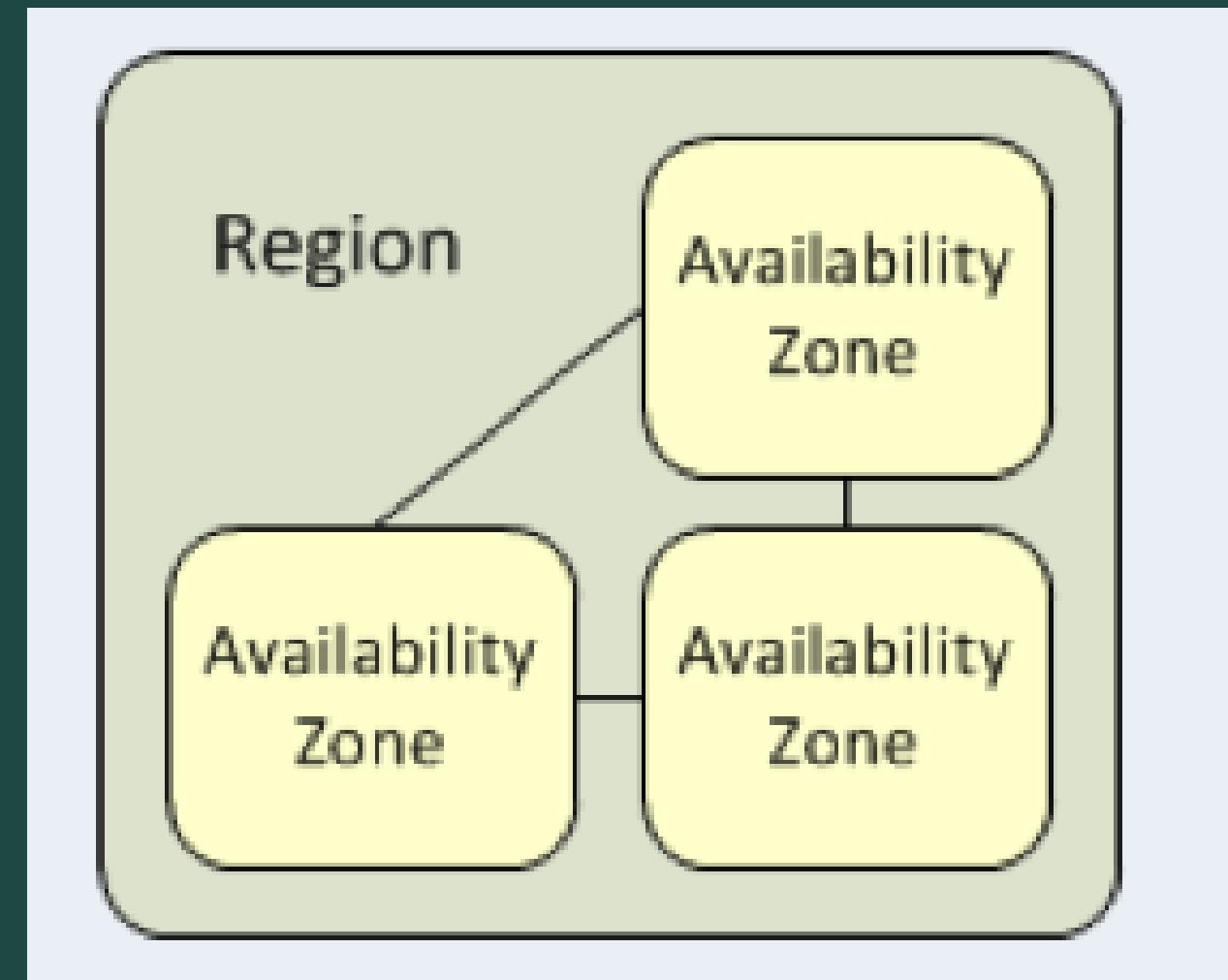
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## Why AWS ?

- 35 % Market share
- Launched in 2006
- PAY-AS-YOU-GO
- More Jobs

# BASIC TERMINOLOGIES

- Your Computer
- Server
- Data Centre
- AWS Availability Zones
- AWS Regions
- Edge Locations



# OFFERS SERVICES IN VARIOUS DOMAIN

- Compute
- Storage
- Networking
- Database
- Security
- Management
- Customer Engagement
- Application Intergration



# AWS COMPUTE SERVICES

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- EC2
- Elastic Beanstalk
- Lambda
- Elastic Load Balancer
- Auto - Scaling
- IoT, Blockchain, ML
- etc..

For more services visit :

<https://aws.amazon.com/console/>



# EC2

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- Raw / Fresh server, computer
- Enables on-demand, scalable computing capacity
- Best IaaS example

LIVE DEMO



# ELASTIC BEANSTALK

- Advance version of EC2
- It is Web Application Server
- Can't install any s/w but we can upload our website using dashboard
- Best example of PaaS

# LAMBDA

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- Automated version of EC2 with some limitation
- Limitation : Can't deploy / host any application or website
- Used for doing some backend processing (logic code)
- Whatever processing tasks needs to be done AWS gives that to Lambda service

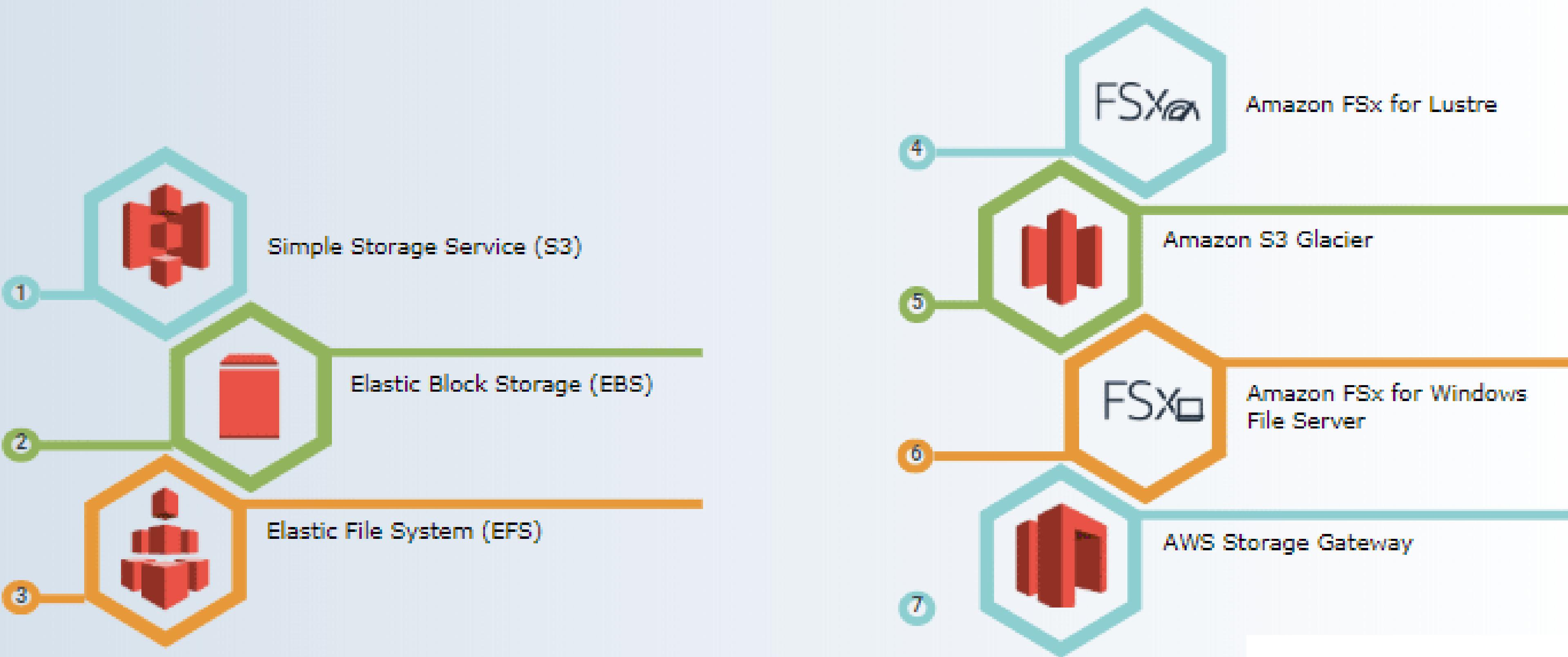
# LOAD BALANCER

- Distributes incoming applications / traffic
- Route its traffic to available healthy\_server

# AUTO SCALING

- Automatically scales up/down no. of server
- Set threshold limit

# aws AWS Storage Services

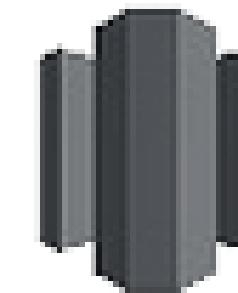


# AWS Database Services



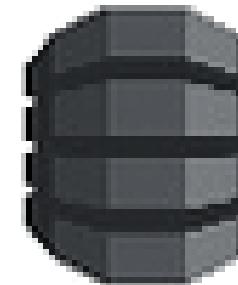
Managed  
Relational  
Database Service

Amazon RDS



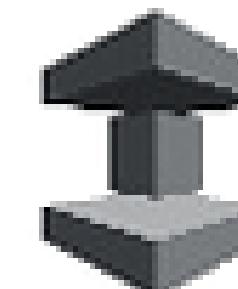
Petabyte-scale  
Data Warehouse  
Service

Amazon Redshift



Fast &  
Scalable  
NoSQL  
Service

DynamoDB



In-memory  
Caching  
Service

ElastiCache

# AWS SECURITY SERVICES

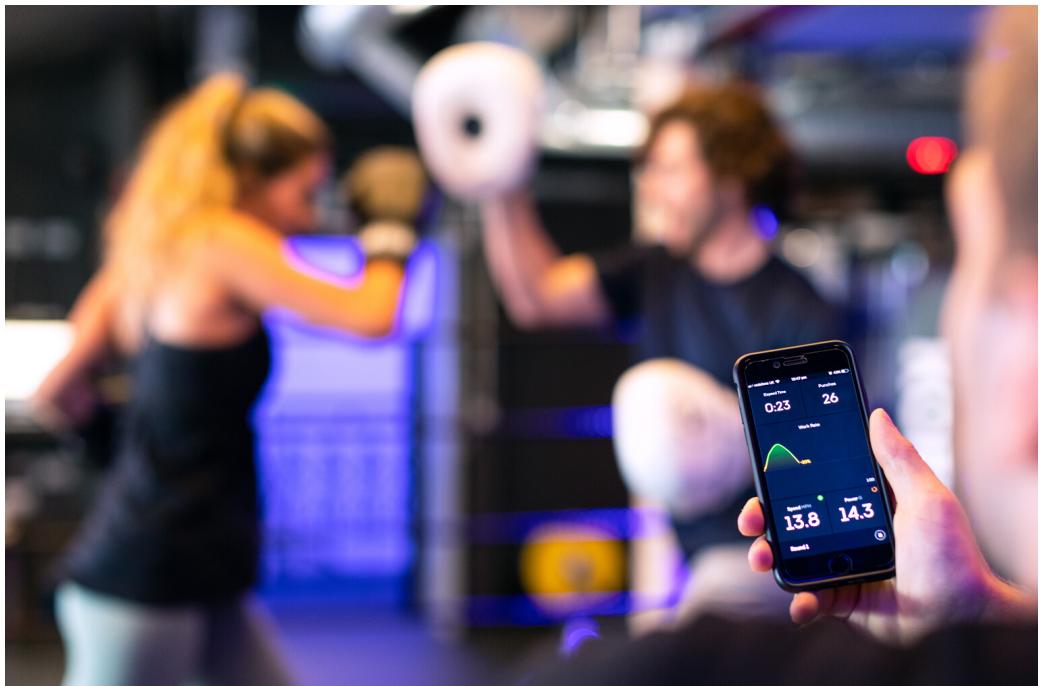
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- IAM
- AWS KMS
- CLOUD DIRECTORY



# AWS SERVICES - MANAGEMENT

- AWS Cloudformation
- AWS OpsWorks
- AWS CloudTrails
- AWS CloudWatch



# CERTIFICATIONS

## Professional

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



## Associate

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



## Foundational

Six months of fundamental AWS Cloud and industry knowledge



## Specialty

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



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CELEBRATE WHAT'S RIGHT IN THE WORLD ! - PUNIT PATEL



# QUESTIONS?

# COMMENTS?

# LET ME KNOW!



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many  
thanks