

# **AWS Services**

# Overview of Amazon Web Services

- AWS (Amazon Web Services) is a Cloud Provider
- In 2006, Amazon Web Services (AWS) began offering IT infrastructure services to businesses as web services
  - Now commonly known as cloud computing.
- Today, AWS provides a highly reliable, scalable, low-cost infrastructure platform in the cloud
- AWS powers hundreds of thousands of businesses in 190 countries around the world.
- AWS powers some of the biggest websites in the world
  - Amazon.com
  - Netflix

# AWS Services

## Deployment & Management

### Application Services



Amazon  
SQS



Amazon  
ElasticTranscoder



Amazon  
SES



Amazon  
AppStream



Amazon  
CloudSearch

### Mobile Services



Amazon  
Cognito



Amazon  
Mobile Analytics



Amazon  
SNS

### Enterprise Applications



Amazon  
WorkDocs



Amazon  
WorkSpaces



Amazon  
WorkMail

## Application Services

### Administration & Security



AWS  
DirectoryService



AWS  
IAM



AWS  
Trusted Advisor



AWS  
Config



AWS  
CloudTrail



Amazon  
CloudWatch

### Deployment & Management



Amazon  
CloudFormation



AWS  
OpsWorks



AWS  
CodeDeploy

### Analytics



Amazon  
Kinesis



AWS  
Data Pipeline



Amazon  
EMR

## Foundation Services

### Compute

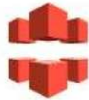


Amazon  
EC2



AWS  
Lambda

### Storage & Content Delivery



Amazon  
CloudFront



Amazon  
Glacier



AWS  
Storage Gateway



Amazon  
Content Delivery

### Database



Amazon  
Dynamo DB



Amazon  
RDS



Amazon  
Redshift



Amazon  
Elastic Cache

### Networking



Amazon  
Route 53



Amazon  
VPC



AWS  
Direct Connect

# Hands-on: AWS Account Registration

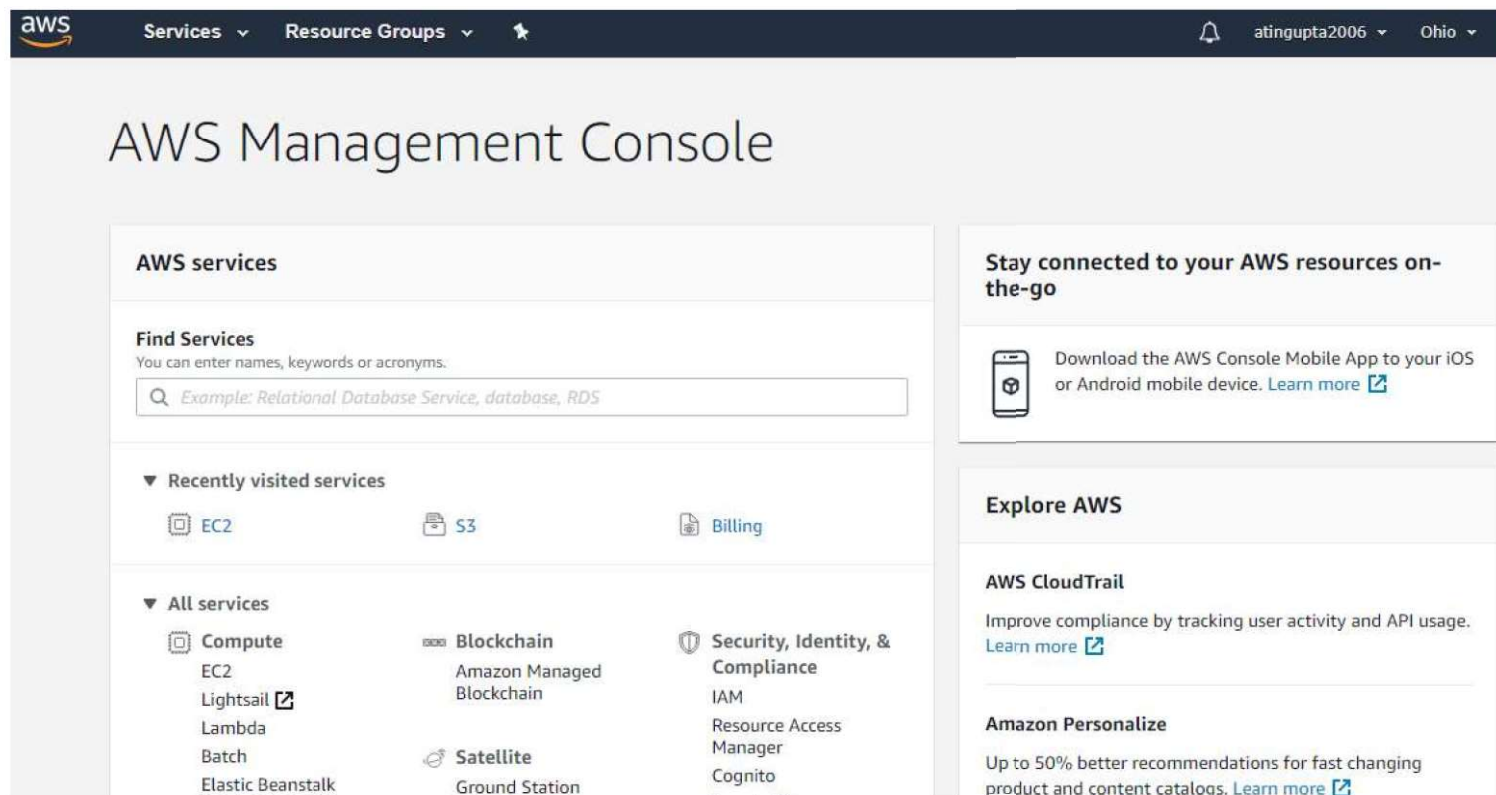
- Step 1 – Visiting the Signup Page:
  - <https://aws.amazon.com/free/>
- Step 2 – Entering User Details
- Step 3 – Filling up the Debit Card / Credit Card details
  - This will not charge anything from your account (except for a verification amount that will be refunded back)
- Step 4 – Identity Confirmation
  - Need to select a mode to confirm your identity
  - It could be a Text Message or a Voice call to your valid phone number.
- Step 5 – Selecting a Support Plan
  - Select Basic plan for free tier
- Wait 10-15 minutes before the account can be activated. You will get e-mail
- Login to the account

# Hands-on: Understand the AWS Free Tier

- Refer to below URL to understand what all services are free:
  - <https://aws.amazon.com/free/?all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc>

# Hands-on: AWS Management Console Overview

- A graphical interface used to interact with AWS services and features
- Can manage all aspects of AWS services, as well as AWS account.





# AWS Regions

- AWS has Regions all around the world
- A geographical location with a collection of availability zones
- Mapped to physical data centers in that region.
- Every region is physically isolated and independent
- A region is a cluster of data centers



**Thanks**