

# EX NO 1: Cloud-account-set-up-and-services

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REG NO : 212224040341

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NAME : SURYANARAYANAN T

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## Aim:

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To create an cloud account in AWS and to explore all of its services.

## Procedure

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### Step 1: Go to the AWS Website

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- Visit: <https://aws.amazon.com>
- Click "Create an AWS Account" in the top right corner.

### Step 2: Enter Account Information

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- **Email address:** Use a valid, accessible email.
- **Password:** Create a strong and secure password.
- **AWS account name:** Choose a name (your name, team name, or company name).

### Step 3: Choose Account Type

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- **Personal or Professional** – Choose based on your use case.
- Fill in your **name**, **address**, and **phone number**.

### Step 4: Enter Payment Information

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- Provide your **credit or debit card** details.

Note: You **won't be charged** immediately. AWS offers a **Free Tier**, but card info is required for verification.

## Step 5: Verify Your Identity

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- Enter your **phone number**.
- AWS will send a verification code via **call or SMS**.
- Enter the **code** to confirm your identity.

## Step 6: Choose a Support Plan

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Pick one of the following support plans:

- **Basic Support** (Free)
- Developer Support
- Business Support
- Enterprise Support

## Step 7: Complete the Sign-Up

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- Review all entered details.
- Click “**Sign Up**”.
- You’ll get a **confirmation email** once your account is activated (usually within a few minutes).

## Step 8: Sign In to the AWS Console

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- Go to: <https://console.aws.amazon.com>
- Log in using your email and password.
- Start exploring AWS services!

## Create a user with administrative access

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After you sign up for an AWS account, secure your AWS account root user, enable AWS IAM Identity Center, and create an administrative user so that you don't use the root user for everyday tasks.

## Secure your AWS account root user

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Sign in to the AWS Management Console (<https://console.aws.amazon.com>) as the account owner by choosing Root user and entering your AWS account email address. On the next page, enter your password. Turn on multi-factor authentication (MFA) for your root user.

# Create user with administrative access

Enable IAM Identity Center. In IAM Identity Center, grant administrative access to a user.

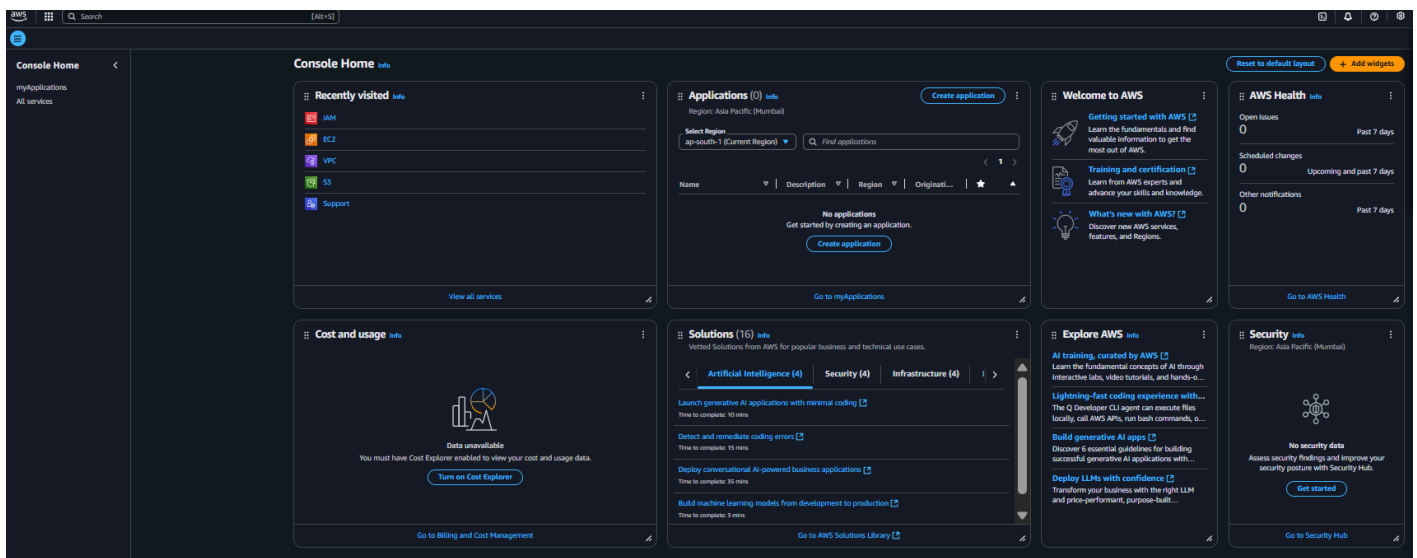
## Sign in as the user with administrative access

To sign in with your IAM Identity Center user, use the sign-in URL that was sent to your email address when you created the IAM Identity Center user.

## Services Overview:

- Explore all the available services in AWS platform.

## Output:



**All services**

**Services by category**

- Compute**
  - EC2
  - Lightsail
  - Lambda
  - Batch
  - Elastic Beanstalk
  - Serverless Application Repository
  - AWS Outposts
  - EC2 Image Builder
  - AWS App Runner
  - AWS SimSpace Weaver
  - Parallel Computing Service
  - EC2 Global View
- Containers**
  - Elastic Container Service
  - Elastic Kubernetes Service
  - Red Hat OpenShift Service on AWS
  - Elastic Container Registry
- Storage**
  - S3
  - EFs
  - FSx
  - S3 Glacier
  - Storage Gateway
  - AWS Backup
  - AWS Elastic Disaster Recovery
- Database**
  - Aurora and RDS
  - ElastiCache
  - Neptune
  - Amazon QLDB
  - Amazon DocumentDB
  - Amazon Keyspaces
  - Amazon Timestream
  - DynamoDB
  - Aurora DSQL
  - Amazon MemoryDB
  - Oracle Database@AWS
- Migration & Transfer**
  - AWS Migration Hub
  - AWS Application Migration Service
  - Application Discovery Service
  - Database Migration Service
  - AWS Transfer Family
  - AWS Snow Family
  - DataSync
  - AWS Transform
  - AWS Mainframe Modernization
  - Amazon Elastic VMware Service (Preview)
- Networking & Content Delivery**
  - VPC
  - CloudFront
  - API Gateway
  - Direct Connect
  - AWS App Mesh
  - Global Accelerator
  - Route 53
  - AWS Data Transfer Terminal
- Developer Tools**
  - CodeCommit
  - CodeBuild
  - CodeDeploy
  - CodePipeline
  - Cloud9
  - CloudShell
  - X-Ray
  - AWS FIS
  - Infrastructure Composer
  - AWS App Studio
  - AWS AppConfig
  - CodeArtifact
  - Amazon CodeCatalyst
  - Amazon Q Developer (Including Amazon CodeWhisperer)
- Customer Enablement**
  - AWS IQ
  - Managed Services
  - Activate for Startups
  - AWS re:Post Private
  - Support
- Robotics**
  - AWS RoboMaker
- Blockchain**
  - Amazon Managed Blockchain
- Satellite**
  - Ground Station
- Quantum Technologies**
  - Amazon Braket
- Management & Governance**
  - AWS Organizations
  - CloudWatch
  - AWS Auto Scaling
  - CloudFormation
  - AWS Config
  - OpsWorks
  - Service Catalog
  - Systems Manager
  - Trusted Advisor
  - Control Tower
  - AWS Well-Architected Tool
  - Amazon Q Developer in chat applications (previously AWS Chatbot)
  - Launch Wizard
  - AWS Compute Optimizer
  - Resource Groups & Tag Editor
  - Amazon Grafana
  - Amazon Prometheus
  - AWS Resilience Hub
  - Incident Manager
  - AWS Telco Network Builder
  - AWS Health Dashboard
  - AWS Proton
  - AWS User Notifications
  - CloudTrail
  - AWS License Manager
- Machine Learning**
  - Amazon SageMaker AI
  - Amazon Augmented AI
  - Amazon CodeGuru
  - Amazon DevOps Guru
  - Amazon Comprehend
  - Amazon Forecast
  - Amazon Fraud Detector
  - Amazon Kendra
  - Amazon Personalize
  - Amazon Polly
  - Amazon Rekognition
  - Amazon Textract
  - Amazon Transcribe
  - Amazon Translate
  - AWS DeepComposer
  - AWS DeepRacer
  - AWS Panorama
  - Amazon Monitron
  - AWS HealthLake
  - Amazon Lookout for Vision
  - Amazon Lookout for Equipment
  - Amazon Lookout for Metrics
  - AWS Q Business
  - AWS HealthOmics
  - Amazon Bedrock
  - Amazon Q
  - Amazon Comprehend Medical
  - Amazon Lex
  - AWS HealthImaging
- Analytics**
  - Athena
  - Amazon Redshift
  - CloudSearch
  - Amazon OpenSearch Service
  - Kinesis
  - QuickSight
  - AWS Data Exchange
  - AWS Lake Formation
  - MSK
  - AWS Glue DataBrew
  - Amazon FinSpace
  - Managed Apache Flink
  - EMR
  - AWS Clean Rooms
  - Amazon SageMaker
  - AWS Entity Resolution
  - AWS Glue
  - Amazon Data Firehose
  - Amazon DataZone
- Security, Identity, & Compliance**
  - Resource Access Manager
  - Cognito
  - Secrets Manager
  - GuardDuty
  - Amazon Inspector
  - Amazon Macie
  - IAM Identity Center
  - Certificate Manager
  - Key Management Service
  - CloudHSM
  - Directory Service
- Cloud Financial Management**
  - AWS Marketplace
  - AWS Billing Conductor
  - Billing and Cost Management
- Front-end Web & Mobile**
  - AWS Amplify
  - AWS AppSync
  - Device Farm
  - Amazon Location Service
- Application Integration**
  - Step Functions
  - Amazon AppFlow
  - Amazon MQ
  - Simple Notification Service
  - Simple Queue Service
  - SWF
  - Managed Apache Airflow
  - AWS B2B Data Interchange
  - Amazon EventBridge
- Business Applications**
  - Amazon Connect
  - Amazon Chime
  - Amazon Simple Email Service
  - Amazon WorkDocs
  - Amazon WorkMail
  - AWS Supply Chain
  - Amazon Pinpoint
  - Amazon One Enterprise
  - AWS Wicr
  - AWS AppFabric
  - AWS End User Messaging
  - Amazon Chime SDK
- End User Computing**
  - WorkSpaces
  - AppStream 2.0
  - WorkSpaces Thin Client
  - WorkSpaces Secure Browser
- Internet of Things**
  - IoT Analytics
  - IoT Device Defender
  - IoT Device Management
  - IoT Greengrass
  - IoT SiteWise
  - IoT Core
  - IoT TwinMaker
  - IoT Events
  - AWS IoT FleetWise
- Game Development**
  - Amazon GameLift Servers
  - Amazon GameLift Streams

## Result:

Thus an account was created in AWS platform and all the services were explored.