

\*Untitled - Notepad  
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Assignment AWS essentials Sept'21

Assignment 1

Working with IAM

1. Create an IAM user
2. Attach a AWS managed policy(S3 full access)
3. Login as IAM user and show that policy is applied.(S3,EC2,IAM)

Submission:

Submit a pdf/Word doc with Screenshots



← → ↺ 🏠

🔒 https://console.aws.amazon.com/iamv2/home?#/home

☆ 📧 ☰

aws Services ▾

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🔔 Naman ▾ Global ▾ Support ▾

Identity and Access Management (IAM) ✕

Dashboard

▼ Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

▼ Access reports

Access analyzer

Archive rules

Analyzers

Settings

Credential report

Organization activity

Service control policies (SCPs)

📘 Introducing the new IAM dashboard experience

We've redesigned the IAM dashboard experience to make it easier to use. [Let us know what you think.](#)

✕

IAM dashboard

Security recommendations 1

⚠️ Add MFA for root user

Enable multi-factor authentication (MFA) for the root user to improve security for this account.

Add MFA

✅ Root user has no active access keys

Using access keys attached to an IAM user instead of the root user improves security.

IAM resources

User groups

0

Users

0

Roles

2

Policies

0

Identity providers

0

What's new 📄

Updates for features in IAM

View all 📄

- IAM Access Analyzer adds new policy checks to help validate conditions during IAM policy authoring. 2 months ago
- AWS Amplify announces support for IAM permissions boundaries on Amplify-generated IAM roles. 3 months ago
- Introducing IAM Access Control for Apache Kafka on Amazon MSK. 4 months ago
- Review last accessed information to identify unused EC2, IAM, and Lambda permissions and tighten access for your IAM roles.

AWS Account

Account ID

🔗 165018920444

Account Alias

165018920444 [Create](#)

Sign-in URL for IAM users in this account

🔗 https://165018920444.signin.aws.amazon.com/console

Quick Links 📄

[My security credentials](#)

Manage your access keys, multi-factor authentication (MFA) and other credentials.

Tools 📄

[Policy simulator](#)

Feedback English (US) ▾

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Identity and Access Management (IAM) ×

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IAM resources

🔄

User groups	Users	Roles	Policies	Identity providers
0	0	2	0	0

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FeedbackEnglish (US) ▾

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## Add user



### Set user details

You can add multiple users at once with the same access type and permissions. [Learn more](#)

User name\*

[+ Add another user](#)

### Select AWS access type

Select how these users will access AWS. Access keys and autogenerated passwords are provided in the last step. [Learn more](#)

- Access type\* ☒ **Programmatic access**  
Enables an **access key ID** and **secret access key** for the AWS API, CLI, SDK, and other development tools.
- ☒ **AWS Management Console access**  
Enables a **password** that allows users to sign-in to the AWS Management Console.

- Console password\* ☐ Autogenerated password
- ☒ Custom password

☐ Show password

\* Required

[Cancel](#)

[Next: Permissions](#)

## Add user

- 1
- 2
- 3
- 4
- 5

### Set permissions

Add user to group

Copy permissions from existing user

Attach existing policies directly

Create policy

Filter policies ▾ 🔍 s3

Showing 7 results

	Policy name ▾	Type	Used as
<input type="checkbox"/>	▶  AmazonDMSRedshiftS3Role	AWS managed	None
<input checked="" type="checkbox"/>	▶  AmazonS3FullAccess	AWS managed	None
<input type="checkbox"/>	▶  AmazonS3ObjectLambdaExecutionRolePolicy	AWS managed	None
<input type="checkbox"/>	▶  AmazonS3OutpostsFullAccess	AWS managed	None
<input type="checkbox"/>	▶  AmazonS3OutpostsReadOnlyAccess	AWS managed	None
<input type="checkbox"/>	▶  AmazonS3ReadOnlyAccess	AWS managed	None
<input type="checkbox"/>	▶  QuickSightAccessForS3StorageManagementAnalyticsReadOnly	AWS managed	None

Cancel

Previous

Next: Tags

# Add user

- 1
- 2
- 3
- 4
- 5

## Add tags (optional)

IAM tags are key-value pairs you can add to your user. Tags can include user information, such as an email address, or can be descriptive, such as a job title. You can use the tags to organize, track, or control access for this user. [Learn more](#)

Key	Value (optional)	Remove
<div>Add new key</div>		

You can add 50 more tags.

Add user

1

2

3

4

5

Review

Review your choices. After you create the user, you can view and download the autogenerated password and access key.

User details

User name

Newuser

AWS access type

Programmatic access and AWS Management Console access

Console password type

Custom

Require password reset

Yes

Permissions boundary

Permissions boundary is not set

Permissions summary

The following policies will be attached to the user shown above.

Type	Name
Managed policy	<a href="#">AmazonS3FullAccess</a>
Managed policy	<a href="#">IAMUserChangePassword</a>

Tags

Cancel

Previous

Create user

# Add user

- 1
- 2
- 3
- 4
- 5

## Review

Review your choices. After you create the user, you can view and download the autogenerated password and access key.

### User details

User name	Newuser
AWS access type	Programmatic access and AWS Management Console access
Console password type	Custom
Require password reset	Yes
Permissions boundary	Permissions boundary is not set

### Permissions summary

The following policies will be attached to the user shown above.

Type	Name
Managed policy	<a href="#">AmazonS3FullAccess</a>
Managed policy	<a href="#">IAMUserChangePassword</a>

### Tags

Cancel

Previous

Create user



# Add user

- 1
- 2
- 3
- 4
- 5



## Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: <https://165018920444.signin.aws.amazon.com/console>

Download .csv

	User	Access key ID	Secret access key	Email login instructions
▶	✓ Newuser	AKIASM27E4X6G72FWFRV	***** Show	Send email

Close

## Add user

12

✔ Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

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Close

Identity and Access Management (IAM) ✕

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Service control policies (SCPs)

📘 Introducing the new Users list experience

We've redesigned the Users list experience to make it easier to use. [Let us know what you think.](#)

✕

✅ The user Newuser have been created.

✕

IAM > Users

Users (1) Info

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

🔄 Delete Add users


🔍 Find users by username or access key

< 1 > ⚙️

<input type="checkbox"/>	User name ▾	Groups ▾	Last activity ▾	MFA ▾	Password age ▾	Active key age ▾
<input type="checkbox"/>	Newuser	None	Never	None	✅ 1 minute ago	✅ 1 minute ago

Feedback English (US) ▾

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 Services ▾

### Identity and Access Management (IAM)

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Search results for 'iam'

Services (1)


Features (11)

Documentation (78,995)

Knowledge Articles (30)

Marketplace (229)


Services

 IAM


Manage access to AWS resources

Features


Groups

 IAM feature


Roles

 IAM feature

Policies

 IAM feature

Users

 IAM feature

Documentation

See all 78,995 results in Documentation [🔗](#)

🔍

🔄

Delete

Add users

<

1

>

⚙️

Card age ▾

Active key age ▾

1 minute ago

🟢 1 minute ago

Identity and Access Management (IAM)

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Delete

Add users

Find users by username or access key

< 1 >

	User name	Groups	Last activity	MFA	Password age	Active key age
<input type="checkbox"/>	Newuser	None	Never	None	2 minutes ago	2 minutes ago

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📘 New feature to generate a policy based on CloudTrail events.

AWS uses your CloudTrail events to identify the services and actions used and generate a least privileged policy that you can attach to this user.

Users > Newuser

Summary

Delete user ⓘ

User ARN

arn:aws:iam::165018920444:user/Newuser

🔗

Path

/

Creation time

2021-09-11 22:20 UTC+0530

Permissions

Groups

Tags

Security credentials

Access Advisor

▾ Permissions policies (2 policies applied)

Add permissions

Add inline policy

Policy name ▾	Policy type ▾	
Attached directly		
▶ <a href="#">AmazonS3FullAccess</a>	AWS managed policy	✕
▶ <a href="#">IAMUserChangePassword</a>	AWS managed policy	✕
▶ Permissions boundary (not set)		

arn:aws:iam::123456789012:user/Newuser /

Creation time 2021-09-11 22:20 UTC+0530

Permissions Groups Tags Security credentials Access Advisor

▼ Permissions policies (2 policies applied)

[Add permissions](#) [+ Add inline policy](#)

Policy name 🔻	Policy type 🔻	
Attached directly		
▶  AmazonS3FullAccess	AWS managed policy	✕
▶  IAMUserChangePassword	AWS managed policy	✕
▶ Permissions boundary (not set)		
▼ Generate policy based on CloudTrail events		
You can generate a new policy based on the access activity for this user, then customize, create, and attach it to this role. AWS uses your CloudTrail events to identify the services and actions used and generate a policy. <a href="#">Learn more</a> 🔗		
Share your <a href="#">feedback</a> and help us improve the policy generation experience.		
<a href="#">Generate policy</a>		
No requests to generate a policy in the past 7 days.		

Identity and Access Management (IAM)

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Users > Newuser

Summary

User ARNarn:aws:iam::165018920444:user/Newuser🔗

Path/

Creation time2021-09-11 22:20 UTC+0530

PermissionsGroupsTagsSecurity credentialsAccess Advisor

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Policy name ▾	Policy type ▾	
Attached directly		
▶  AmazonS3FullAccess	AWS managed policy	✕
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My Account 165018920444

My Organization

My Service Quotas

My Billing Dashboard

My Security Credentials

Sign Out

Delete user

?

https://console.aws.amazon.com/iam/logout.doLogout

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# AWS Management Console

Everything you need to access and manage the AWS cloud — in one web interface

[Log back in](#)

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## Sign in

☐ **Root user**

Account owner that performs tasks requiring unrestricted access. [Learn more](#)

☒ **IAM user**

User within an account that performs daily tasks. [Learn more](#)

Account ID (12 digits) or account alias

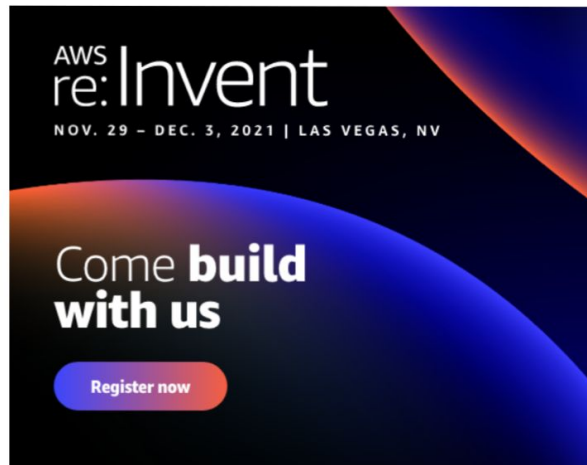
[View Saved Logins](#)

**Next**

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[New to AWS?](#)

**Create a new AWS account**





**Sign in as IAM user**

Account ID (12 digits) or account alias

165018920444|

IAM user name

Newuser

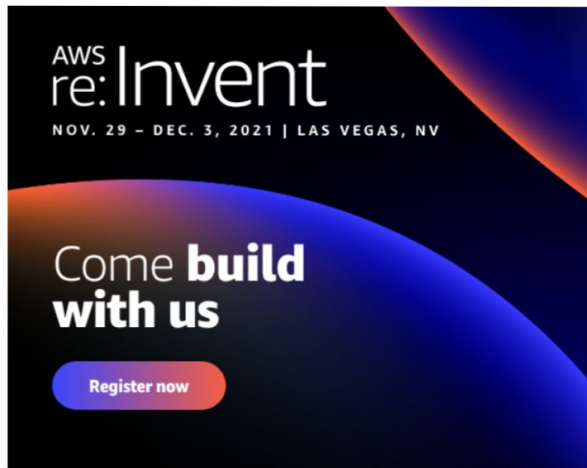
Password

.....

**Sign in**

[Sign in using root user email](#)

[Forgot password?](#)



English ▼

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You must change your password to continue

**AWS account** 165018920444

**IAM user name** Newuser

**Old password**

**New password**

**Retype new password**

Confirm password change

[Sign in using root user email](#)

English ▾



You must change your password to continue

**AWS account** 165018920444

**IAM user name** Newuser

**Old password**

**New password**

**Retype new password**

Confirm password change

[Sign in using root user email](#)

English ▾

# AWS Management Console

## AWS services

### ▼ Recently visited services

🔒 IAM

► All services

## Stay connected to your AWS resources on-the-go



AWS Console Mobile App now supports four additional regions. Download the AWS Console Mobile App to your iOS or Android mobile device. [Learn more](#) 🔗

## Build a solution

Get started with simple wizards and automated workflows.

### Launch a virtual machine

With EC2

2-3 minutes



### Build a web app

With Elastic Beanstalk

6 minutes



### Build using virtual servers

With Lightsail

1-2 minutes



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# AWS Management Console


**AWS services**


▼ Recently visited services


🔒 IAM

► All services


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With Lightsail  
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**Stay connected to your resources**

 AWS four AWS And

IAM User: Newuser

My Account 165018920444

My Organization

My Service Quotas

My Billing Dashboard

My Security Credentials

Switch Roles

Sign Out

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📄 🔔 Newuser @ 1650-1892-0444 ▾ Global ▾ Support ▾

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

Access analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

▶ AWS Marketplace for S3

📘 We're continuing to improve the S3 console to make it faster and easier to use. If you have feedback on the updated experience, choose **Provide feedback**.

📘 Read the **S3 resources page** for documentation and technical content.

Amazon S3

▶ **Account snapshot**

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

**View Storage Lens dashboard**

**Buckets (0)** [Info](#)

🔄

📄 Copy ARN

Empty

Delete

Create bucket

Buckets are containers for data stored in S3. [Learn more](#)

🔍 Find buckets by name

< 1 > ⚙

Name	▲	AWS Region	▼	Access	▼	Creation date	▼
No buckets							
You don't have any buckets.							
<div>Create bucket</div>							

aws

Services

Search for services, features, marketplace products, and docs

[Alt+S]

Newuser @ 1650-1892-0444

Mumbai

Support

New EC2 Experience

EC2 Dashboard

Events

Tags

Limits

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Resources

You are using the following Amazon EC2 resources in the Asia Pacific (Mumbai) Region:

Instances (running)

Elastic IPs

Key pairs

Placement groups

Snapshots

Dedicated Hosts

Instances

Load balancers

Security groups

Volumes

Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server.

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch Instance

Note: Your instances will launch in the Asia Pacific

Service health

Service Health Dashboard

Region

Asia Pacific (Mumbai)

Status

This service is operating normally

Account attributes

Supported platforms

Default VPC

Settings

EBS encryption

Zones

EC2 Serial Console

Default credit specification

Console experiments

Explore AWS

Enable Best Price-Performance with AWS Graviton2

AWS Graviton2 powered EC2 instances enable up to 40% better price performance for a broad spectrum of cloud workloads.

10 Things You Can Do Today to Reduce AWS Costs

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