

Assignment sheet for IAM Assignment

Assignment 1 :- Create an IAM user with username of your own wish and grant administrator policy.

solution

The screenshot shows the AWS IAM console interface. At the top, a green success message states: "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://aws-nuke143.signin.aws.amazon.com/console>". Below this message is a "Download .csv" button. A table lists the created user:

User	Access key ID	Secret access key
monukumar	AKIAUWMCZIWLHCXBCIMB	***** Show

Below the table, a summary box lists the actions performed:

- Created user monukumar
- Attached policy AdministratorAccess to user monukumar
- Created access key for user monukumar

A "Close" button is located at the bottom right of the console window.

Assignment 2 :- Hello students, in this assignment you need to prepare a developers team of avengers. - Create 3 IAM users of avengers and assign them in developer's groups with IAM policy.

us-east-1.console.aws.amazon.com/iam/home#/users\$new?step=final&accessKey&userNames=monukumar&permissionType=policies&policies=arn:aws:iam:...

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aws Services Search [Option+S]

Resource Groups & Tag Editor

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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Download .csv

User	Access key ID	Secret access key
monukumar	AKIAUWMCZIWLHCXBCIMB	***** Show

Created user monukumar

Attached policy AdministratorAccess to user monukumar

Created access key for user monukumar

Close

Summary

Edit

User group name	Creation time	ARN
avengers	November 05, 2022, 21:16 (UTC+05:30)	arn:aws:iam::322933704086:group/avengers

Users Permissions Access Advisor

Users in this group (3)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

Search

Remove users Add users

< 1 > ⚙

<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	dev2	2	None	1 minute ago
<input type="checkbox"/>	dev1	2	None	2 minutes ago
<input type="checkbox"/>	dev3	2	None	1 minute ago

Assignment 3 :- Define a condition in policy for expiration like "DateGreaterThan": {"aws:CurrentTime": "2020-04-01T00:00:00Z"}, "DateLessThan": {"aws:CurrentTime": "2020-06-30T23:59:59Z"} Define the span of 4 months as per your wish

```

1  {
2    "Version": "2012-10-17",
3    "Statement": [
4      {
5        "Effect": "Allow",
6        "Action": "service-prefix:action-name",
7        "Resource": "*",
8        "Condition": {
9          "DateGreaterThan": {
10             "aws:CurrentTime": "2020-04-01T00:00:00Z"
11           },
12          "DateLessThan": {
13             "aws:CurrentTime": "2020-08-30T23:59:59Z"
14           }
15        }
16      }
17    ]

```

Assignment 3 :- Prepare 15 authentic MCQ questions related to IAM.

1. What is IAM?
Iam is full form of Identity and access management .
2. How to control IAM ?
Using policy we can control IAM
3. What is cloudtrail in aws
It is a service recording all the logs of iam users.
4. What are iam hierarchy of principle?
Root user
IAM user
User with temporary credentials
5. What is sts assume role?
It is use to login into account with temporary credentials.
6. What is identity?
Entity that can be authenticated.
- 7. What are the best practices you would follow while creating any IAM Policy?**
Give least possible priviledges.

Assignment 4 :- Launch your linux instance in IAM and update your machine.

Instances (1/1) [Info](#)

Find instance by attribute or tag (case-sensitive)

Instance ID = i-063a5c7d0aa59930d

Clear filters

Refresh

Connect

Instance state

Actions

Launch instances

< 1 >

Settings

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
<input checked="" type="checkbox"/>	myec2	i-063a5c7d0aa59930d	Pending	t2.micro	-	No alarms	us-east-1b	ec2-10-0-10-10

Instance: i-063a5c7d0aa59930d (myec2)

IAM Role

[myrole](#)

Platform

Amazon Linux (Inferred)

Platform details

Linux/UNIX

Subnet ID

[subnet-03364db7b5a0a6780](#)

AMI ID

[ami-09d3b3274b6c5d4aa](#)

AMI name

amzn2-ami-kernel-5.10-hvm-2.0.20221004.0-x86_64-gp2

ons.

[Learn more](#)

Auto Scaling Group name

-

Monitoring

disabled

Termination protection

Disabled