

Assignment sheet for IAM

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

Ans 1:

Step 1: Give username and select access type

Add user

12345

Set user details

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

User name*

umang_pincha

+ Add another user

Select AWS access type

Select how these users will primarily access AWS. If you choose only programmatic access, it does NOT prevent users from accessing the console using an assumed role. Access keys and autogenerated passwords are provided in the last step. [Learn more](#)

Select AWS credential type*

☐ Access key - Programmatic access
Enables an access key ID and secret access key for the AWS API, CLI, SDK, and other development tools.

☒ Password - AWS Management Console access
Enables a password that allows users to sign-in to the AWS Management Console.

* Required

Cancel

Next: Permissions

Step 2: Select admin privileges

▼ Set permissions

Add user to group

Copy permissions from existing user

Attach existing policies directly

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)

Add user to group

Create group Refresh

Q Search

Showing 3 results

Group ▼	Attached policies
<input checked="" type="checkbox"/> admins	AdministratorAccess
<input type="checkbox"/> avengers	AmazonEC2FullAccess and 1 more
<input type="checkbox"/> devs	AmazonEC2FullAccess

Cancel Previous Next: Tags

Step 3: Review and click on Create User

Add user



Review

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

User details

User name	umang_pincha
AWS access type	AWS Management Console access - with a password
Console password type	Custom
Require password reset	No
Permissions boundary	Permissions boundary is not set

Permissions summary

The user shown above will be added to the following groups.

Type	Name

[Cancel](#) [Previous](#) [Create user](#)

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.

Ans 3:

Step 1: Created 3 IAM users of avengers

Users (5) [Info](#)

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

[Refresh](#) [Delete](#) [Add users](#)

<input type="checkbox"/>	User name	Groups	Last activity	MFA	Password a..
<input type="checkbox"/>	captain_america	None	Never	None	✓ 1 minute ag
<input type="checkbox"/>	ironman	avengers	✓ 15 days ago	None	✓ 16 days ag
<input type="checkbox"/>	thor	None	Never	None	✓ Now

Step 2: Goto user group and assign them in developers group with IAM policy

User groups (3) [Info](#)

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

[Refresh](#) [Delete](#) [Create group](#)

<input type="checkbox"/>	Group name	Users	Permissions	Creation time
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Step 3: Now add users to devs group with IAM policy

[IAM](#) > [User groups](#) > [devs](#) > [Add users](#)

Add users to devs [Info](#)

Other users in this account (Selected 3/5) [Refresh](#)

<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input checked="" type="checkbox"/>	captain_america	0	None	4 minutes ago
<input checked="" type="checkbox"/>	ironman	1	15 days ago	16 days ago
<input checked="" type="checkbox"/>	thor	0	None	3 minutes 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

Ans 3:

Step 1: Goto Policy

Policies (998) [Info](#)

A policy is an object in AWS that defines permissions.

[Refresh](#) [Actions](#) [Create policy](#)

Policy name	Type	Used as	Des
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Step 2: Goto Json tab and write the policy

A policy defines the AWS permissions that you can assign to a user, group, or role. You can create and edit a policy in the visual editor and using JSON. [Learn more](#)

Visual editor JSON [Import managed policy](#)

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

Security: 0 Errors: 1 Warnings: 0 Suggestions: 0

Step 3: Create Policy

Create policy

1 2 3

Review policy

Name*

Use alphanumeric and '+=, @, _' characters. Maximum 128 characters.

Description

Maximum 1000 characters. Use alphanumeric and '+=, @, _' characters.

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

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