

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

The screenshot shows the AWS IAM console interface. A green notification banner at the top indicates that the user 'Ironman' has been created. The left sidebar shows the 'Identity and Access Management (IAM)' menu with 'Users' selected. The main content area shows a table with one user, 'Ironman', with a status of 'Active' and a last activity of 'Never'.

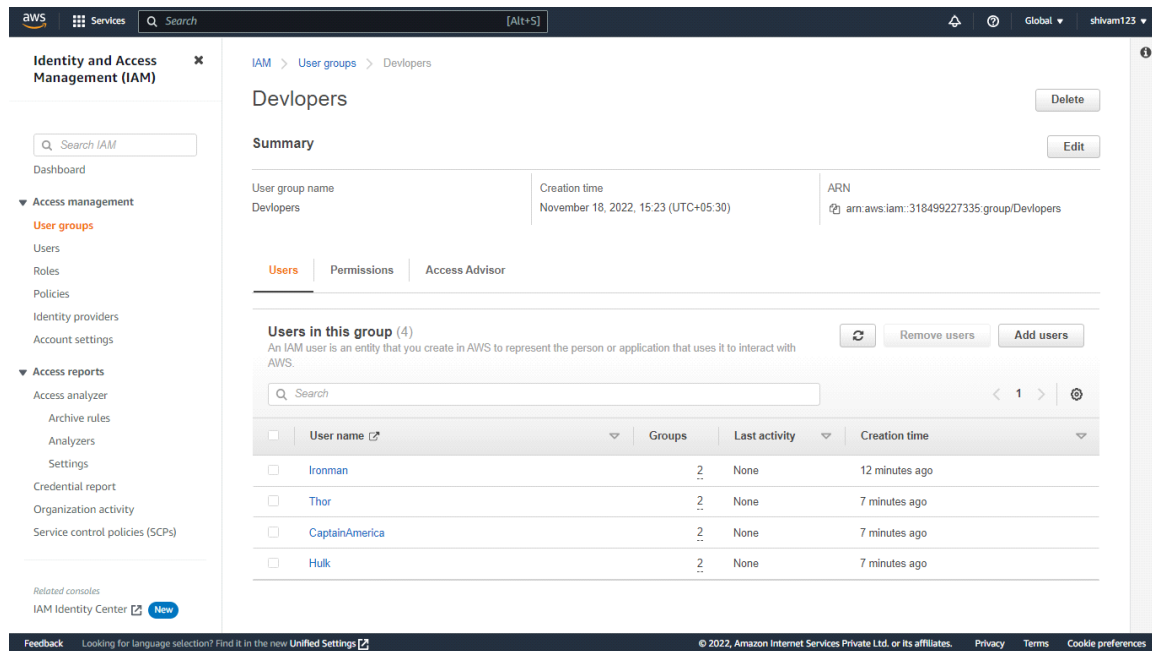
	User name	Groups	Last activity	MFA	Password a...	Active
<input type="checkbox"/>	Ironman	None	Never	None	Now	-

Assignment 2 :- Hello students, in this assignment you need to prepare a developers team of avengers.

The screenshot shows the AWS IAM console interface for the 'Avenger' user group. The left sidebar shows the 'Identity and Access Management (IAM)' menu with 'User groups' selected. The main content area shows the 'Avenger' user group summary, including creation time and ARN. Below the summary, there is a table showing the users in this group, including 'Ironman', 'Thor', 'CaptainAmerica', and 'Hulk'.

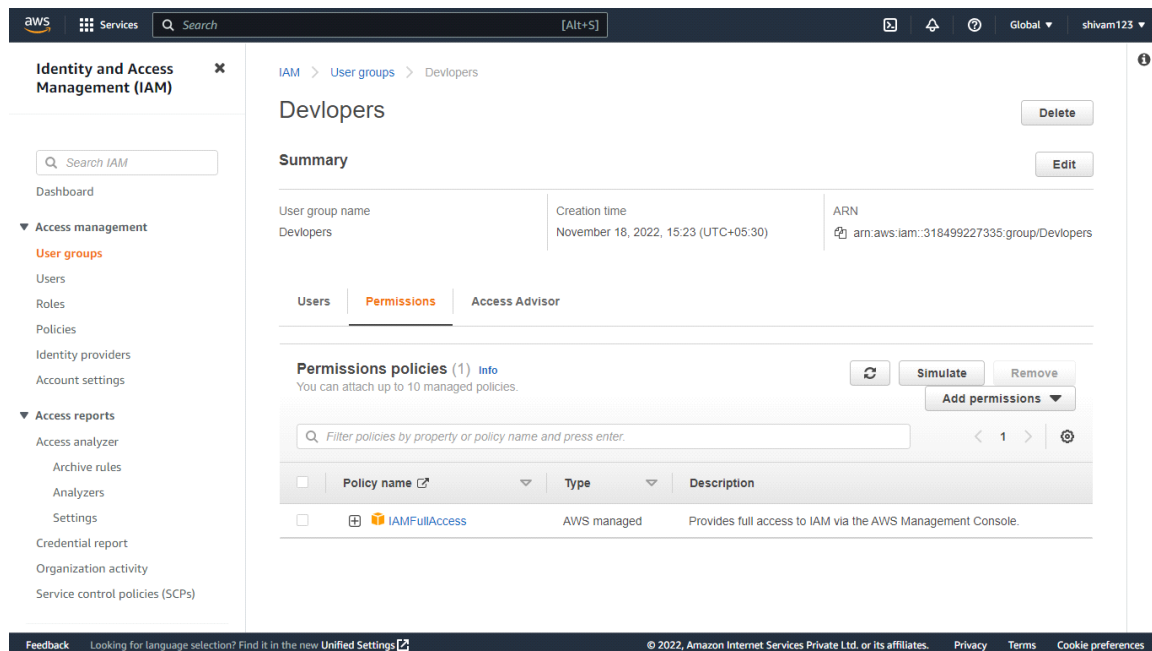
	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	Ironman	1	None	10 minutes ago
<input type="checkbox"/>	Thor	1	None	5 minutes ago
<input type="checkbox"/>	CaptainAmerica	1	None	5 minutes ago
<input type="checkbox"/>	Hulk	1	None	5 minutes ago

- Create 3 IAM users of avengers and assign them in developer's groups with IAM policy.



The screenshot shows the AWS IAM console interface. On the left is a navigation sidebar with sections for 'Identity and Access Management (IAM)', 'Access management', 'Access reports', and 'Related consoles'. The main content area is titled 'Developers' and includes a 'Summary' section with details like 'User group name: Developers', 'Creation time: November 18, 2022, 15:23 (UTC+05:30)', and 'ARN: arn:aws:iam::318499227335:group/Developers'. Below the summary are tabs for 'Users', 'Permissions', and 'Access Advisor'. The 'Users' tab is active, showing a list of 4 users in this group: Ironman, Thor, CaptainAmerica, and Hulk. Each user entry includes a checkbox, the user name, a link to their groups, last activity, and creation time.

	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	Ironman	2	None	12 minutes ago
<input type="checkbox"/>	Thor	2	None	7 minutes ago
<input type="checkbox"/>	CaptainAmerica	2	None	7 minutes ago
<input type="checkbox"/>	Hulk	2	None	7 minutes ago

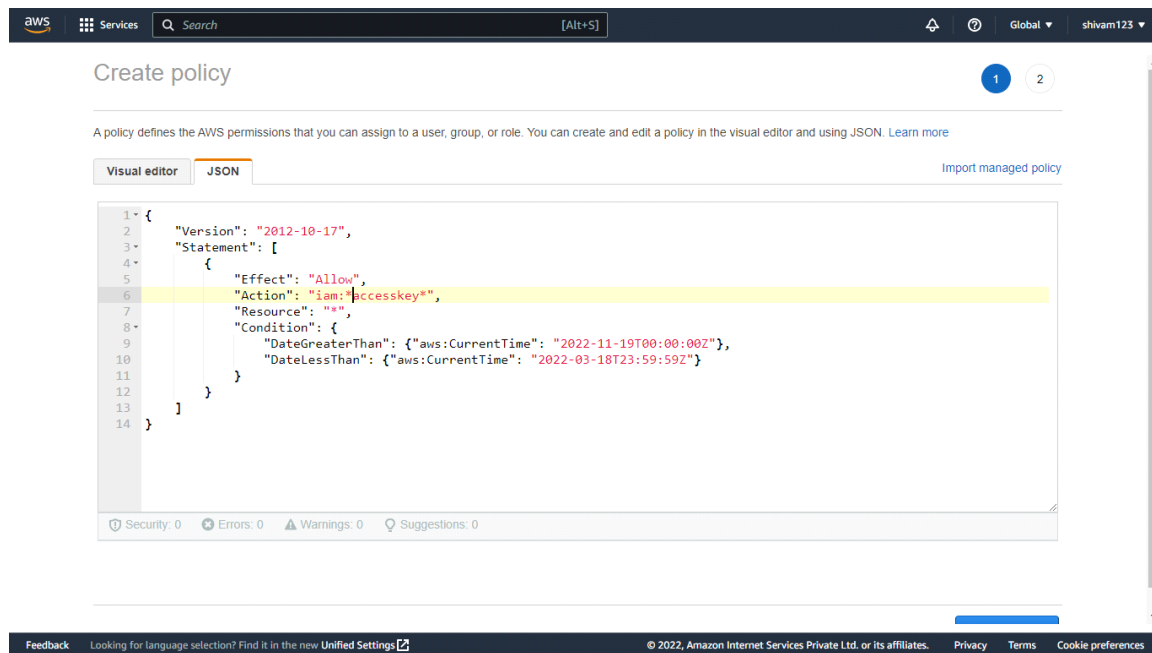


This screenshot shows the same 'Developers' user group page but with the 'Permissions' tab selected. The 'Summary' section remains the same. The 'Permissions policies' section shows 1 policy attached: 'IAMFullAccess'. It includes a search bar to filter policies and a table listing the attached policy with its name, type, and description.

	Policy name	Type	Description
<input type="checkbox"/>	IAMFullAccess	AWS managed	Provides full access to IAM via the AWS Management Console.

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
```



Assignment 4 :- Prepare 15 authentic MCQ questions related to IAM.

15 IAM MCQ Questions

1. Which of the following is not an IAM best practice?

- (a) Delete user accounts not in use
- (b) Attach policies to individual users
- (c) Manage permissions by adding users to groups
- (d) Enable MFA on user accounts

2. IAM group:

- (a) Is same as IAM users
- (b) Can be used to specify permissions for a collection of users
- (c) Is truly an identity

- (d) All of these

3. IAM role:

- (a) Have credentials (password or access keys) associated with it
- (b) Does not have any credentials (password or access keys) associated with it
- (c) May or may not have credentials (password or access keys) associated with it
- (d) None of these

4. Temporary credentials:

- (a) It expires automatically after a specified time
- (b) Have a same set of permissions that your standard IAM user have
- (c) We can have control over the duration that the credentials are valid
- (d) A and C both

5. AWS evaluates _____ when an IAM principal makes a request.

- (a) Username and Password
- (b) MAC Address
- (c) Security Policies
- (d) IP Address

6. AWS supports _____ types of policies.

- (a) 4
- (b) 5
- (c) 6
- (d) 7

7. Names of IAM identities (users, roles, and groups):

- (a) Must be unique within the AWS account

- (b) Must be unique within the availability zone
- (c) Must be unique within the region
- (d) Must be unique within the AWS cloud whole

8. How many maximum groups can be created in an AWS account?

- (a) 25
- (b) 50
- (c) 100
- (d) 200

9. An IAM user cannot be a member of more than __ groups.

- (a) 10
- (b) 20
- (c) 50
- (d) 100

10. How many maximum access keys can be assigned to an IAM user?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

11. Which of the following are managed by using IAM

- (a) Role
- (b) KMS
- (c) MFA
- (d) Security Groups

12. When you first create an Amazon Web Services (AWS) account, you begin with a single sign-in identity that has complete access to all AWS services and resources in the account. This identity is called:

- (a) Root user
- (b) Main user
- (c) Super user
- (d) None of these

13. Which of these is not an IAM policy type?

- (a) Smart policies
- (b) Access control lists (ACLs)
- (c) Session policies
- (d) Organizations SCPs

14. IAM policy documents are written in which format

- (a) XML
- (b) HTML
- (c) JSON
- (d) YAML

15. One of the elements is an optional element of an IAM policy document, which one is it?

- (a) Action
- (b) Version
- (c) Effect
- (d) Condition
















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

aws

Services

Q Search

[Alt+S]



N. Virginia

shivam123

Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [6740 B]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [9360 B]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [352 B]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
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Get:32 http://security.ubuntu.com/ubuntu jammy-security/main Translation-en [106 kB]
Get:33 http://security.ubuntu.com/ubuntu jammy-security/restricted amd64 Packages [404 kB]
Get:34 http://security.ubuntu.com/ubuntu jammy-security/restricted Translation-en [62.0 kB]
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Get:36 http://security.ubuntu.com/ubuntu jammy-security/universe Translation-en [70.5 kB]
Get:37 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [2408 B]
Get:38 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [4192 B]
Get:39 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [900 B]
Get:40 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [228 B]
Fetched 24.8 MB in 4s (6298 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
84 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-16-83:~\$

i-0c6e024261e9a3038 (firstinstance)

PublicIPs: 34.229.163.218 PrivateIPs: 172.31.16.83

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