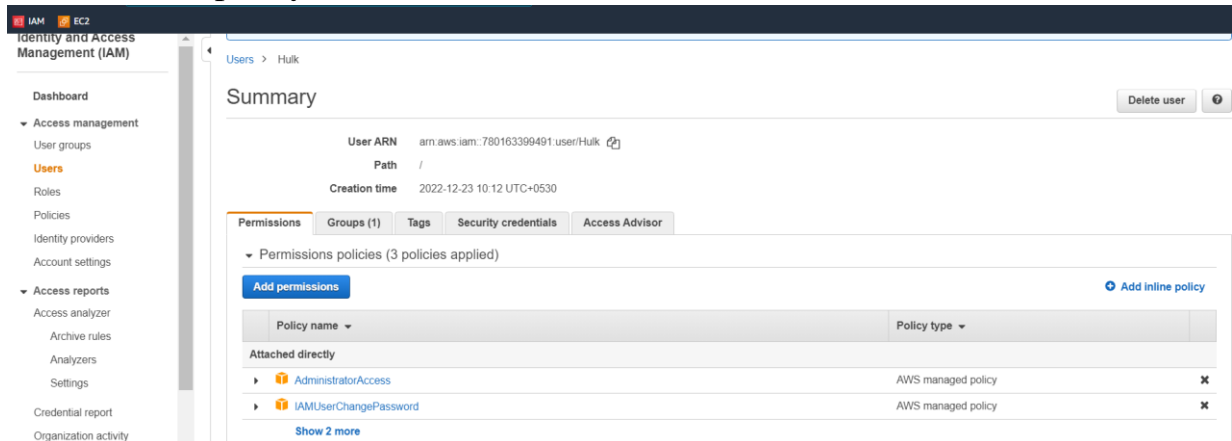


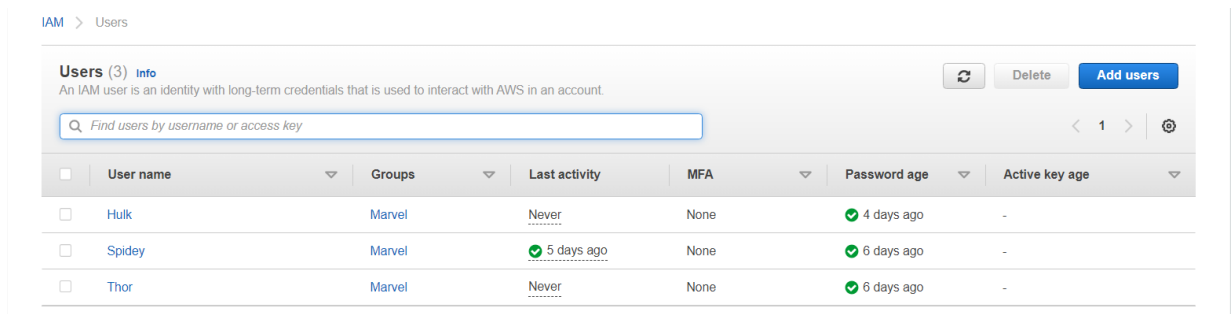
# Assignment sheet for IAM

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



**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.

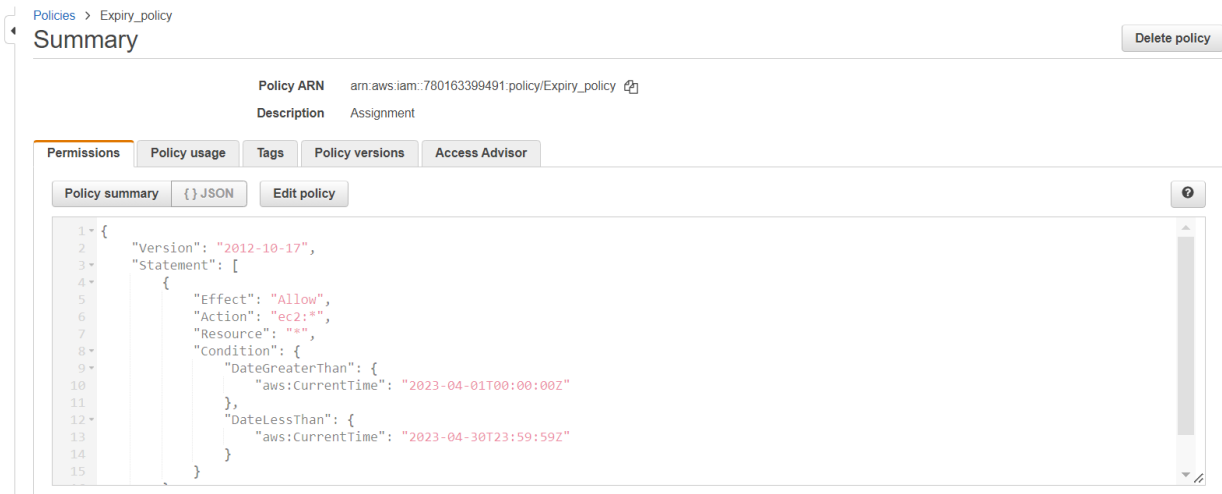


**Assignment 3 :-** Define a condition in policy for expiration like

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

1. Which statement is true regarding IAM?

- a) It allows you to deploy and manage applications in the AWS Cloud.
- b) IAM allows you to manage users, groups, roles, and their corresponding level of access to the AWS Platform.
- c) IAM allows you to manage users' passwords only and can be done via raising a ticket
- d) IAM allows you to manage permissions for AWS resources only

Answer : B

2. Which of these is a part of IAM (Choose two)

- a) MFA.
- b) Billing
- c) Instance
- d) Policy

Answer : a and d

3. In which language IAM policies are being written

- a) html
- b) xml
- c) json
- d) java

Answer : c

4. Can a user belong to multiple groups?

- a) true
- b) false

Answer : a

5. By default an IAM user created will have

- a) Partial permission
- b) No permission
- c) Full permission

Answer : b

6. Which of the following is not a part of Policy structure

- a) version
- b) id
- c) statement
- d) Access

Answer : d

7. Which of the following is true about principal

- a) account/user/role to which this policy applied to
- b) an identifier for the statement
- c) list of actions this policy allows or denies
- d) list of resources to which the actions applied to

Answer : a

8. An user cannot inherit the permissions assigned in the group

- a) true
- b) false

Answer : b

9. What is an additional way to secure the AWS accounts of both the root account and new users alike?

- a) Implement Multi-Factor Authentication for all accounts.
- b) Store the access key id and secret access key of all users in a publicly accessible plain text document on S3 of which only you and members of your organization know the address to.
- c) Configure the AWS Console so that you can only log in to it from your internal network IP address range.
- d) Configure the AWS Console so that you can only log in to it from a specific IP Address range

Answer : a

10. What is the optional element in IAM policy document

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

Answer : d

11. A \_\_\_\_\_ is a document that provides a formal statement of one or more permissions.

- a) Group
- b) Policy
- c) Role
- d) User

Answer : b

12. Can we revoke a policy assigned to a user?

- a) true
- b) false

Answer : a

13. Which of these is Identity in IAM?

- a) roles
- b) groups
- c) users
- d) all of these

Answer : b

14. Which of the following can be used along multiple identities?

- a) roles
- b) policies
- c) users
- d) password

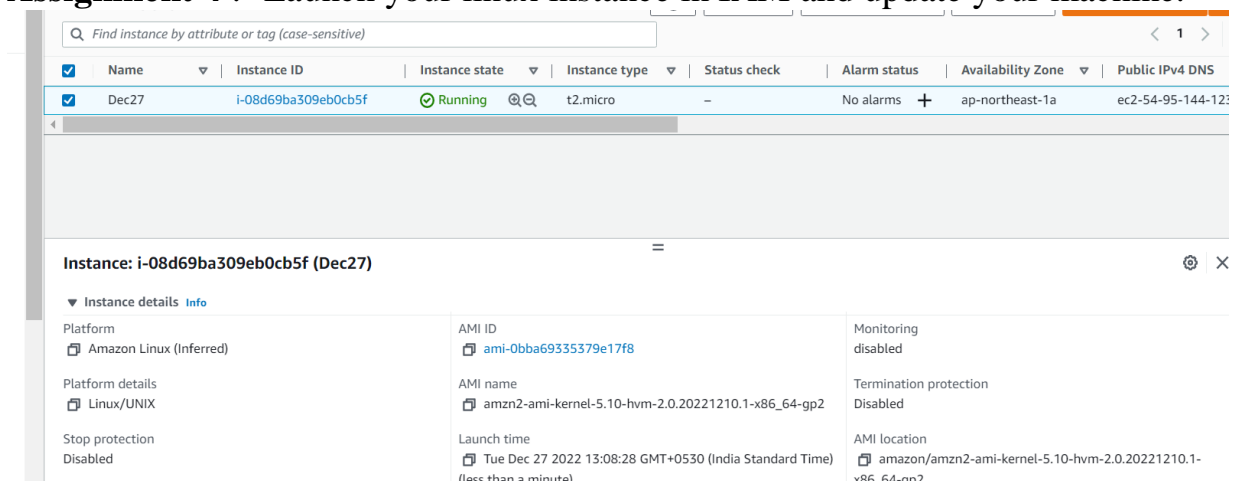
Answer : b

15. Which of these is IAM principal?

- a) roles
- b) application
- c) users
- d) all of these

Answer : d

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



```
Processing triggers for ca-certificates (20211016ubuntu0.22.04.1) ...
Updating certificates in /etc/ssl/certs...
0 added, 0 removed; done.
Running hooks in /etc/ca-certificates/update.d...
done.
Processing triggers for initramfs-tools (0.140ubuntu13.1) ...
update-initramfs: Generating /boot/initrd.img-5.15.0-1026-aws
Scanning processes...
Scanning candidates...
Scanning linux images...

Running kernel seems to be up-to-date.

Restarting services...
systemctl restart packagekit.service
Service restarts being deferred:
systemctl restart networkd-dispatcher.service
systemctl restart unattended-upgrades.service

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-37-68:~$
```

Commands used to update the linux machine

- 1) sudo apt-get update
- 2) sudo apt-get upgrade

The linux instance was created and was updated successfully.