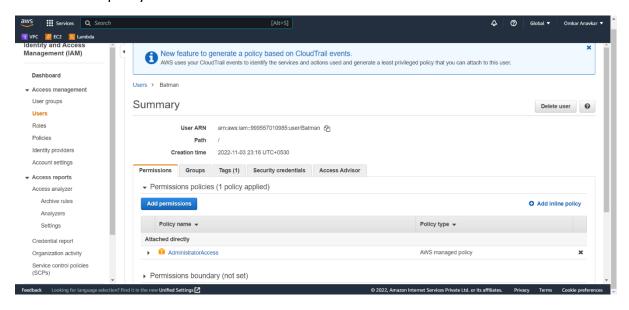
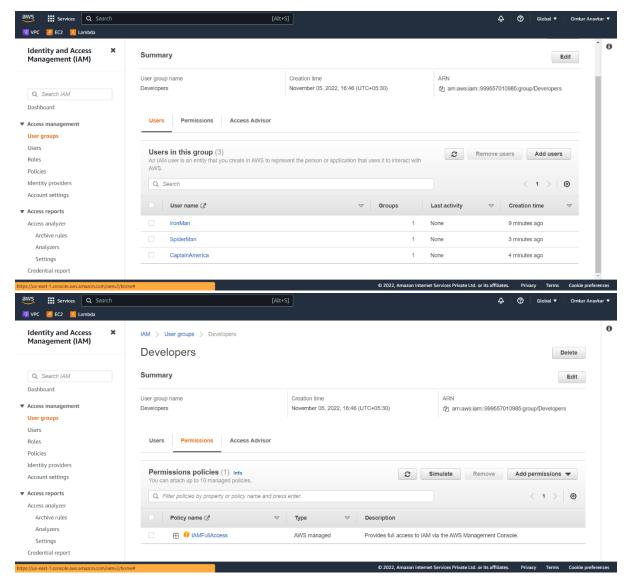
# **Assignment sheet for IAM**

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.

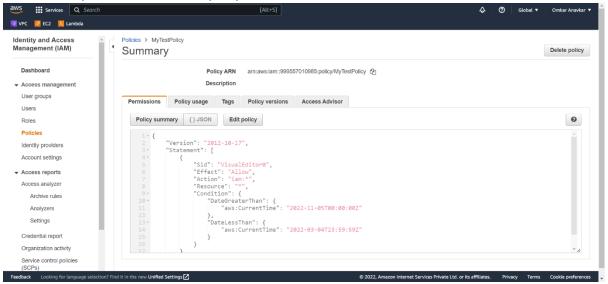


Assignment 3:- Define a condition in policy for expiration like

"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.

Q1. How many maximum access keys can be assigned to an IAM user?

- a. 1
- b. 2
- c. 3
- d. 4

### Q2. IAM groups are:

- a. Same as IAM user.
- b. Can be used to specify permissions for a collection of users.
- c. It's truly an identity.
- d. All of above.

### Q3. 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 associated with it.
- d. None of the above.

### Q4. Identify the wrong statement.

- a. Identity and access management is a test. Framework for business processes that facilitates the management of electronic or digital identities.
- b. With IAM Technologies, IT managers can control user access to critical information within their organizations.
- c. Identity and access management products offer role based access control.
- d. In IAM, roles are defined according to the ability of an individual user to perform a specific task such as view, create or modify a file.

# Q5. Identify the wrong statement. a. IAM can provide shared access to the AWS account. b. IAM is paid service in AWS. c. IAM can provide granular permissions. d. IAM supports multifactor authentication.

- Q6. IAM temporary credentials:
  - a. It expires automatically after a specific 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 & c both.
- Q7. Which of these is identity in IAM?
  - a. Users.
  - b. Groups.
  - c. Roles.
  - d. All of the above.
- Q8. An IAM user cannot be a member of more than \_\_ groups?
  - a. 10
  - b. 20
  - c. 30
  - d. 40
- Q9. An IAM user is:
  - a. Is an entity that you create in AWS.
  - b. Is to give people the ability to sign into the AWS management console for interactive tasks and to make programmatic requests to AWS services using the API or CLI.
  - c. Both a and b.
  - d. None of the above.
- Q10. AWS supports types of policies?
  - a. 4
  - b. 5
  - c. 6
  - d. 7

Note: identity-based policies, resource-based policies, service control policies (SCPs), and permissions boundary policies

- Q11. Choose whether below statements are true or false for IAM:
- 1. When you create an IAM user, you grant it permissions by making it a member of a group that has appropriate permission policies attached (recommended), or by directly attaching policies to the user
- 2. You can also clone the permissions of an existing IAM user, which automatically makes the new user a member of the same groups and attaches all the same policies.
  - a. True, True
  - b. True, False
  - c. False, True
  - d. False, False

b.	5000
c.	8000
d.	10000
Q13. How many groups can be created in an AWS account.	
a.	50
b.	100
c.	300
d.	500
Q14. How many roles can be created in an AWS account.	
a.	100
b.	500
c.	1000
d.	5000
Q15. Which of this is not an IAM policy type?	
_	Smart Policies
_	Access Control Lists
C.	Session Policies
d.	Organizations SCPs

Q12. How many maximum users can be created in an AWS account?

a. 2000

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

