Assignment sheet for IAM

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

After Creation

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.

3 IAM Users of Avengers in Developers Group

Developers

Delete

Summary

Edit

User group name	Creation time	ARN
Developers	November 05, 2022, 12:02 (UTC+05:30)	arn:aws:iam::563684797122:group/Developers

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.

Remove users   **Add users**

🔍 Search

< 1 > ⚙

	User name ⧉	Groups	Last activity	Creation time
☐	StarLord	1	None	30 minutes ago
☐	Spiderman	1	None	35 minutes ago
☐	Black_Panther	1	None	31 minutes ago

IAM Policy of Developers group

Developers

Delete

Summary

Edit

User group name	Creation time	ARN
Developers	November 05, 2022, 12:02 (UTC+05:30)	arn:aws:iam::563684797122:group/Developers

Users   **Permissions**   Access Advisor

Permissions policies (1) Info

You can attach up to 10 managed policies.

Simulate   **Remove**   **Add permissions** ▼

🔍 Filter policies by property or policy name and press enter.

< 1 > ⚙

	Policy name ⧉	Type	Description
☐	⊞ 📦 IAMFullAccess	AWS managed	

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

Created IAM policy for IAM and added condition
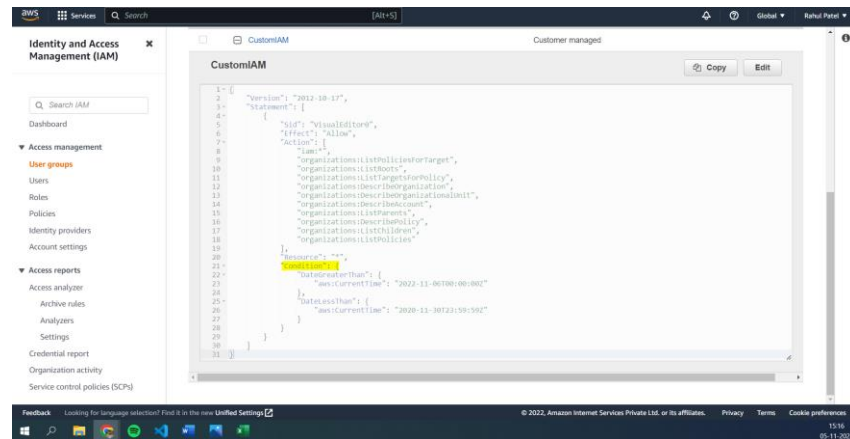
As per the policy user can access IAM date staring from 6-Nov-2022 to 30-Nov-2022 but today is 5-Nov so user can't access.
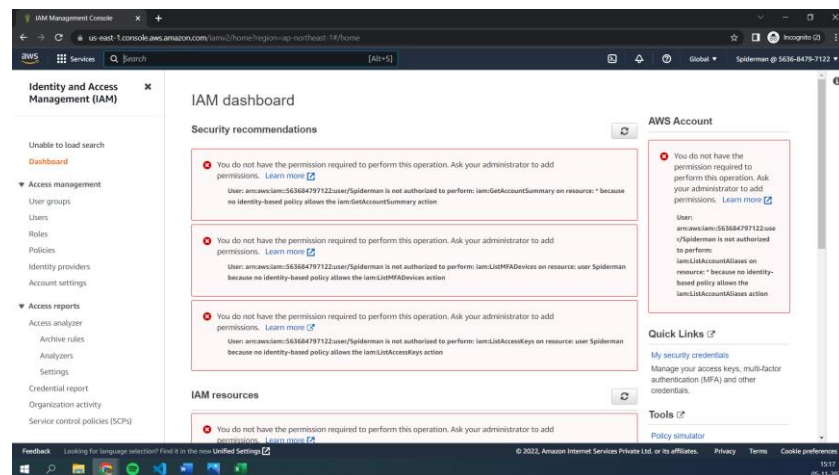
After changing the date to 05-Nov-2022

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

1. In which you can give access control by tag?
   - A. Attribute-based
   - B. Role based
   - **C. Resource based**
   - D. All of them

2. Which default IAM policy applied to IAM user?
   - A. AWS managed
   - B. Customer managed
   - C. Inline Policy
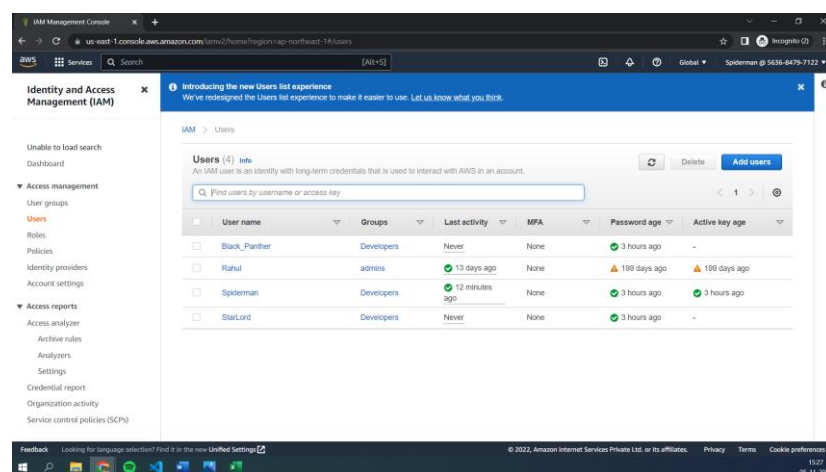   - **D. None of above**

3. Is IAM service region-specific?
   - A. True
   - **B. False**

4. In which file format you can write IAM policy?
   - A. XML
   - **B. JSON**
   - C. txt
   - D. All of above

5. Which of the following credentials are needed to login as IAM user?
   - A. Account ID or Account Alias
   - B. Password
   - C. IAM user name
   - D. B and C
   - **E. A, B and C**

6. **What are the ways you can access IAM? (Select two)**
   - **A. AWS SDKs**
   - B. AWS EC2
   - C. AWS S3
   - **D. AWS Command Line tools**

7. Which of the following section in policy defined the entities to who access to a resource is allowed or not?
   - A. Resource
   - **B. Principal**
   - C. Conditions
   - D. Statement ID

8. Which of the following is not feature of AWS IAM?
   - A. IAM offers centralized control of your AWS account
   - B. Free to use
   - C. Multi-Factor authentication
   - **D. IAM allows you to setup biometric authentication**

9. **What is the length of account id of IAM user?**
   - A. 10 digits
   - B. 14 digits
   - **C. 12 digits**
   - D. 15 digits

10. **When a principal tries to use the AWS management console, the AWS API, or the AWS CLI, that principal sends a request to AWS. And that request includes which of the following information? (Select All that apply)**
    A. **Resources**
    B. **Environment data**
    C. User Password
    D. **Action or operations**
11. **Which of the following is not an IAM best practice?**
    A. Delete user account not in use
    B. **Attach policies to individual user**
    C. Manage permission by adding users to groups
    D. Enable MFA on user accounts
12. **Which of the following is not correct with respect to IAM user?**
    A. IAM user can belong to multiple groups
    B. IAM user don't have to belong to a group
    C. IAM user can have policies assigned to them
    D. **IAM user access AWS with the root account credentials**
13. What are IAM policies?
    A. AWS service performable action
    B. **JSON document to define user, resource or roles permission**
    C. Rules to set up password for IAM users
14. You are a developer at a fast growing start up. Until now, you have used the root account to log in to the AWS console. However, as you have taken on more staff, you will now need to stop sharing the root account to prevent accidental damage to your AWS infrastructure. What should you do so that everyone can access the AWS resources they need to do their jobs? (Choose 2)
    A. **Create individual user accounts with minimum necessary rights and tell the staff to log in to the console using the credentials provided.**
    B. Give your users the root account credentials so that they can also sign in.
    C. **Create a customized sign in link such as "yourcompany.signin.aws.amazon.com/console" for your new users to use to sign in with.**
    D. Create an additional AWS root account for each new user.
15. You have a client who is considering a move to AWS. In establishing a new account, what is the first thing the company should do?
    A. Set up an account using Cloud Search.
    B. Set up an account via SNS (Simple Notification Service)
    C. Set up an account via SQS (Simple Queue Service).
    D. **Set up an account using their company email address.**

Assignment 4 :- Launch your Linux instance in IAM and update your machine.
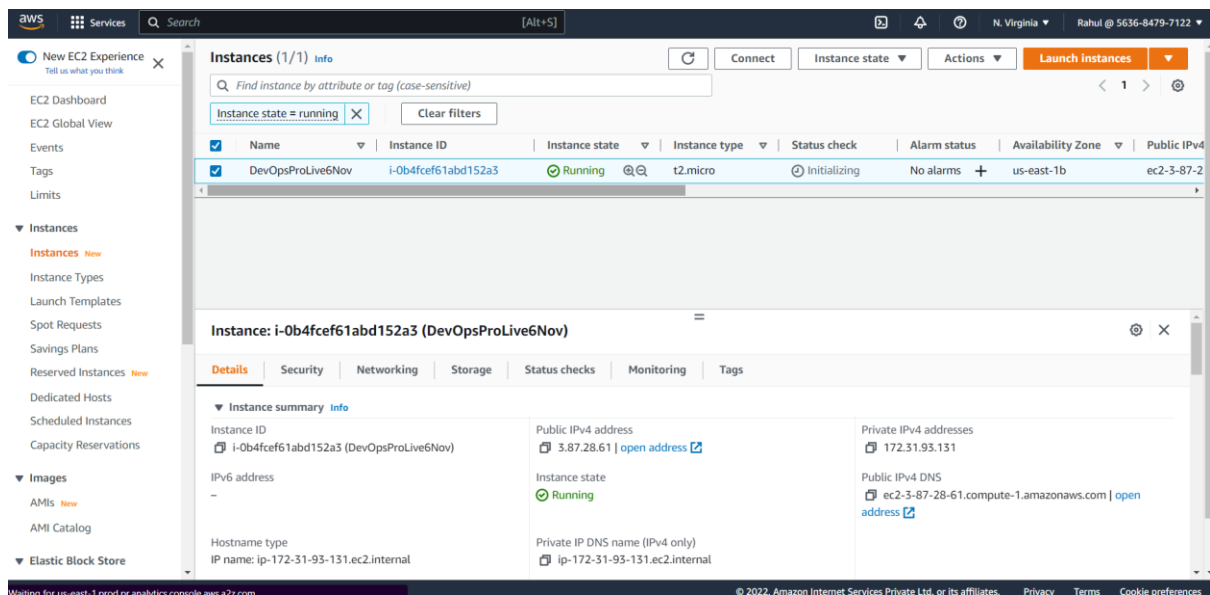
Command to update machine -> sudo yum update