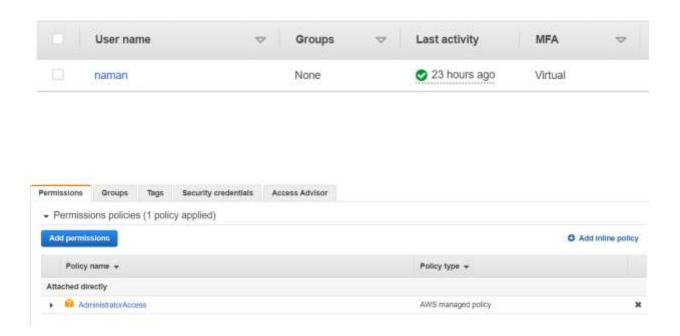
IAM Assignment

Assignment date: 30th OCT 2022

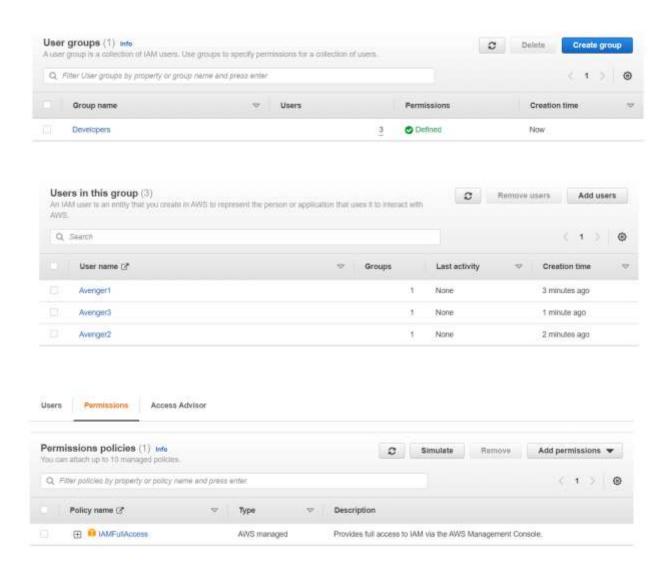
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Create an IAM user with username of your own wish and grant administrator policy.



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.



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.



Prepare 15 authentic MCQ questions related to IAM.

	Is IAM is a region based service? No, IAM is a global service
,	Which service allows access control across all AWS resources? IAM
	By default, IAM users are created with what permissions? No permissions
	Suppose, EC2 wants access of S3 bucket to store logs, how will you allow to do so? We can create IAM role for EC2 for S3 access and assign it to EC2
	What is the best practice to assign same permissions to multiple users? Create IAM group, assign permissions to that group and add necessary users into that group.
	How do I grant access to services and resources by using IAM? Using IAM policies
	If the policy I am looking for is not available under AWS managed policies, is there any way I can create and then assign? Yes we can create our own custom policy also and then can assign it.
	To grant programmatic access of AWS services what is required to have? We need access key id and secret access key to make programmatic use of AWS services.
	To login as a root which credentials are used? Email id used to create account and password

10) ARN full form?

> Amazon Resource Name

- 11) Which principle should be used when assigning permissions to users / groups / roles?
- ➤ Least privilege
- 12) How can you add additional level of security to your root / IAM account?
- ➤ By enabling Multi Factor Authentication(MFA)
- 13) What are two different options available to make use of MFA?
- > Virtual authenticator apps or hardware MFA device from the respective manufacture
- 14) ABAC stands for?
- > Attribute based access control
- 15) IAM policies are stored under which format?
- > JSON documents

Launch your Linux instance in IAM and update your machine.

- ➤ I have launched Ubuntu machine in AWS and using EC2 Instance Connect method I have connected.
- ➤ I have also updated machine using sudo apt update command.

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Wilcome to Obuntu 22.04.1 LTS (GMU/Linux 5.15.0-1019-aws x86_64)
 * Documentation: https://help.ubuntu.com
                       https://landscape.canonical.com
https://www.ucom/advantage
 * Support:
 System information disabled due to load higher than 1-0
  updates can be applied immediately.
The list of available updates is more than a week old.
To check for new updates run; sudo apt update
The programs included with the Ubuntu system are free software;
     exact distribution terms for each program are described in the
 ndividual files in /unr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
To run a command as administrator (user "root"), use "sodo «command>".
See "man sudo_root" for details.
 muntu@ip-172-31-36-185:-5 Whoam!
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kt:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InBelease [99.8 kB]
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