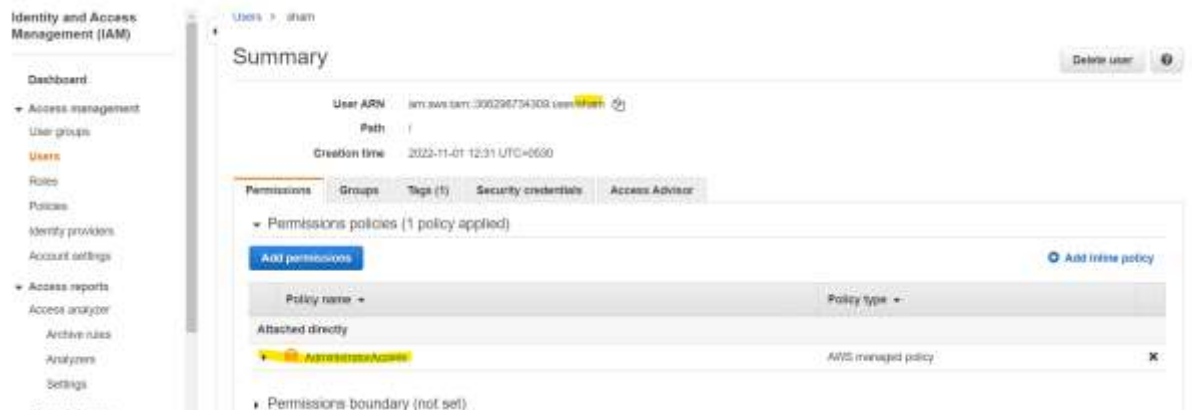


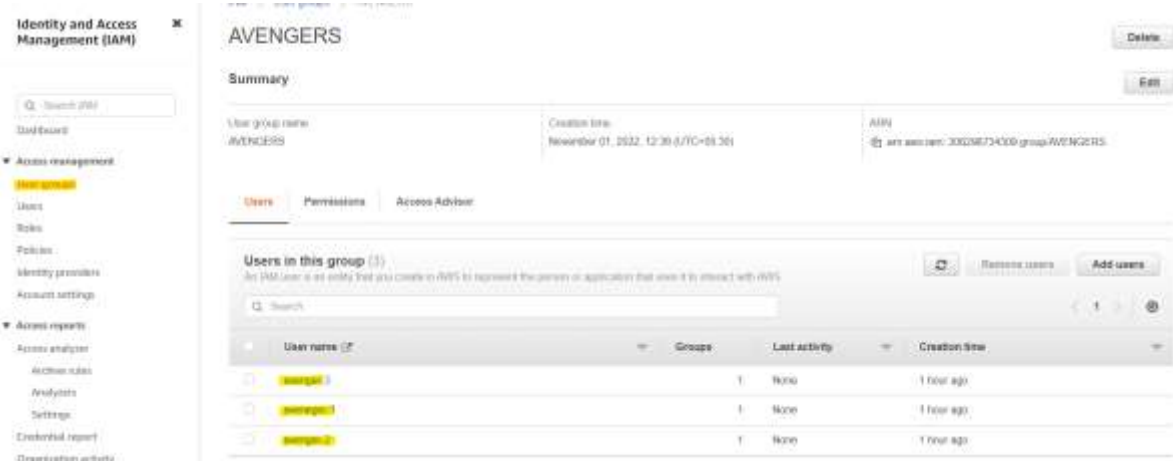
Assignment sheet for IAM

Assignment1 :- Create an IAM user with username of your own wish and grant administrator policy.



User sham is created and attached admin access.

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



- Created group AVENGERS .

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

- Created 3 users, avenger-1, avenger-2 and avenger-3. Attached developer policy to the group

Permissions

Groups (1)

Tags (1)

Security credentials

Access Advisor

▼ Permissions policies (6 policies applied)

Add permissions

Add inline policy

Policy name ▼	Policy type ▼
Attached directly	
▶ IAM:UserChangePassword	AWS managed policy
▶ denyuser	Managed policy
Attached from group	
▶ AmazonS3OutpostsAccess	AWS managed policy from group AVENGERS
▶ AWSLambdaFullAccess	AWS managed policy from group AVENGERS
▶ AmazonS3OutpostsLambdaExecutionRolePolicy	AWS managed policy from group AVENGERS
▶ denyuser	Managed policy from group AVENGERS
▶ Permissions boundary (not set)	

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

Policies > denyuser

Summary

Policy ARN: [arn:aws:iam::306256734309:policy/denyuser](#)

Description

Permissions Policy usage Tags Policy versions Access Advisor

Policy summary [JSON] Edit policy

```

1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Action": [
6         "iam:UserChangePassword"
7       ],
8       "Effect": "Deny",
9       "Resource": "*",
10      "Condition": {
11        "DateGreaterThan": {
12          "aws:CurrentTime": "2020-04-01T00:00:00Z"
13        },
14        "DateLessThan": {
15          "aws:CurrentTime": "2020-06-30T23:59:59Z"
16        }
17      }
18    }
19  ]
20 }
```

- Defined the policy to expire the user after 3 months and attached to the users

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

Assignment 5 :- Launch your linux instance in IAM and update your machine.

- Launch ec2 , assigned ssm role (instance profile) suing ssm. Attached to the instance.
- Connected to the server using ssm connect and then updated the server.

Instances (1/1) [Info](#)

Find instances by attribute or tag (core-seru000)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
AppServer	i-0f81f2a691afb1be3	Running	t2.micro	1/2 checks passed	No alarms	us-east-1d	ec2-54-158-241-208.co...

Instance: i-0f81f2a691afb1be3 (AppServer)

Auto-assigned IP address
54.158.241.208 [Public IP]

IAM Role
ec2-core-seru000

Instance details [Info](#)

Platform
Amazon Linux (Amazon)

Platform details
Linux/UNIX

VPC ID
vpc-0b47ece0271996802

Subnet ID
subnet-08a42a5ac469bf53

AMI ID
ami-09d3b5274b6c5d4aa

AMI name
amzn2-ami-kernel-5.10-hvm-2.0.20221004.D-ami-64-ec2

AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. [Learn more](#)

Auto-Scaling Group name
-

Monitoring
disabled

Termination protection
Disabled

EC2 > Instances > i-0f81f2a691afb1be3 > Connect to instance

Connect to instance [Info](#)

Connect to your instance i-0f81f2a691afb1be3 (AppServer) using any of these options

EC2 Instance Connect

Session Manager

SSH client

EC2 serial console

Session Manager usage:

- Connect to your instance without SSH keys or a bastion host.
- Sessions are secured using an AWS Key Management Service key.
- You can log session commands and details in an Amazon S3 bucket or CloudWatch Logs log group.
- Configure sessions on the Session Manager [Preferences](#) page.

Cancel **Connect**

```
sh-4.2$ bash
[ssm-user@ip-172-31-95-120 bin]$ sudo -i
[root@ip-172-31-95-120 ~]# yum update
```

Package	Arch
Installing:	
kernel	x86_64
Updating:	
cloud-init	noarch
ec2-net-utils	noarch
glibc	x86_64
glibc-all-langpacks	x86_64
glibc-common	x86_64
glibc-locale-source	x86_64
glibc-minimal-langpack	x86_64
kernel-tools	x86_64
libcrypt	x86_64
tzdata	noarch
vim-common	x86_64
vim-data	noarch
vim-enhanced	x86_64
vim-filesystem	noarch
vim-minimal	x86_64
Transaction Summary	
=====	
Install	1 Package
Upgrade	15 Packages
Total download size: 59 M	
Is this ok [y/d/N]:	