

Assignment sheet for IAM

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

These users are created with Administrator policy.

Users (4) [Info](#)

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Find users by username or access key

<input type="checkbox"/>	User name	Groups	Last activity	MFA
<input type="checkbox"/>	Brutus	JCGroup	Never	None
<input type="checkbox"/>	Caesar	JCGroup	Never	None
<input type="checkbox"/>	Minion1	Avengers	Never	None
<input type="checkbox"/>	Thor	Avengers	✓ 6 days ago	None

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.

Above given screenshot shows 4 users assigned to 2 different groups,

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

Permissions Policy usage Tags Policy versions Access Advisor

Policy summary {} JSON Edit policy

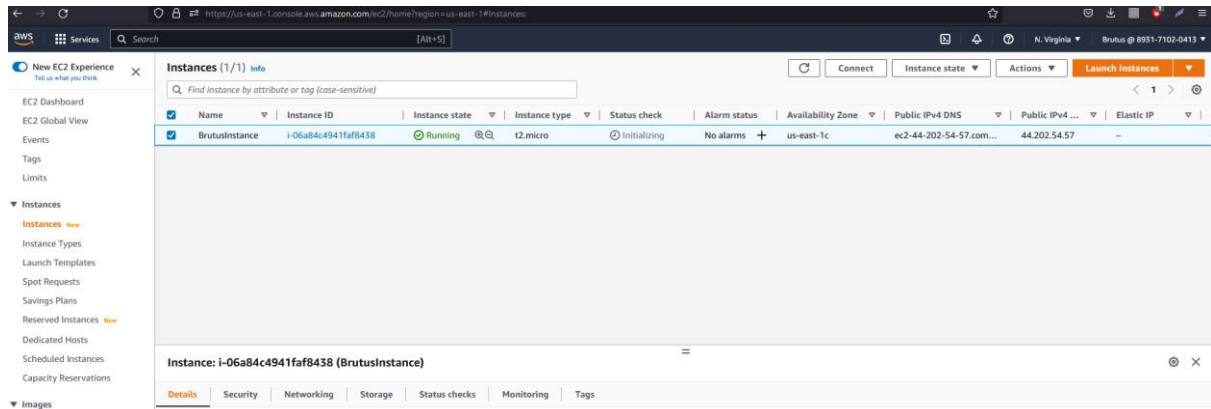
```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Effect": "Allow",
6       "Sid": "VisualEditor",
7       "Action": [
8         "s3:GetObject",
9         "s3:PutObject"
10      ],
11      "Condition": {
12        "DateGreaterThan": {
13          "aws:CurrentTime": "2020-04-01T00:00:00Z"
14        },
15        "DateLessThan": {
16          "aws:CurrentTime": "2020-07-30T23:59:59Z"
17        }
18      },
19      "Resource": [
20        "arn:aws:s3:::mybucket/*"
21      ]
22    }
23  ]
24 }
```

Created a policy with the span of 4 months as given in above snapshot.

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

- 1.What is an IAM user/Role? What is the importance it?
- 2.How do you define policy in an IAM user? Explain the components.
- 3.What is the difference between IAM user a root user?
- 4.What is the access key and for Iam user and where to find it?
- 5.How to grant accesses to services and resources by using IAM ?
- 6.Are the policies created by AWS sufficient ? How to use them ?
- 7.What are the different ways of creating a policy ?
- 8.What is inline policy and how to use them ?
- 9.What are boundaries ?
- 10.What is the difference between boundaries , policies and permissions ?
- 11.How to restrict access using IAM ?
- 12.What are the different identities provided by IAM?
- 13.Is it possible that an IAM user can belong to different groups?
- 14.What is MFA in IAM ?
- 15.How to remove permission from a policy ?
- 16.Is there a limit to number of users , groups or any identity that can be created ?
- 17.Is it possible to change the permissions assigned to a role at anytime?

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



The screenshot displays the AWS Management Console interface for the EC2 service. The left-hand navigation pane shows the 'Instances' section selected under the 'EC2' category. The main content area, titled 'Instances (1/1) Info', contains a table with one instance listed. The instance is named 'BrutusInstance' with ID 'i-06a84c4941faf8438'. Its state is 'Running', and it is using the 't2.micro' instance type. The status check shows 'Initializing'. The instance is located in the 'us-east-1c' availability zone. The public IP address is '44.202.54.57'. Below the table, the 'Details' tab is active for the selected instance, showing various configuration details.

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
BrutusInstance	i-06a84c4941faf8438	Running	t2.micro	Initializing	No alarms	us-east-1c	ec2-44-202-54-57.com...	44.202.54.57	-

Instance: i-06a84c4941faf8438 (BrutusInstance)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags