

Assignment Sheet for IAM

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

The screenshot shows the AWS IAM console for a user named 'itadmin'. The user is a Virtual type, created yesterday, and has no security credentials. The 'Permissions' tab is selected, showing that two policies are applied: 'AdministratorAccess' and 'IAMUserChangePassword', both of which are AWS managed policies attached directly to the user.

Policy name	Policy type
AdministratorAccess	AWS managed policy
IAMUserChangePassword	AWS managed policy

Have created an Username of my own wish (itadmin) and provided administrator policy to that user as per the request.

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.

The screenshot shows the AWS IAM console for a user group named 'Developers'. The group is selected, and the console shows that it has 3 users and its permissions are 'Defined'. The group was created 2 hours ago.

Group name	Users	Permissions	Creation time
Developers	3	Defined	2 hours ago

<input type="checkbox"/>	User name	Groups	Last activity	MFA	Password a...	Active key age
<input type="checkbox"/>	Captain@America	Developers	Never	None	✓ 1 hour ago	-
<input type="checkbox"/>	Hulk	Developers	Never	None	✓ 1 hour ago	-
<input type="checkbox"/>	Iron_Man	Developers	Never	None	✓ 1 hour ago	-

Permissions
Groups (1)
Tags (1)
Security credentials
Access Advisor

▼ Permissions policies (1 policy applied)

Add permissions
Add inline policy

Policy name	Policy type
Attached from group	
IAMFullAccess	AWS managed policy from group Developers

Created a user group called Developers and then added 3 users under that Developers group with IAMFullAccess permission.

Assignment 3 :- Define a condition in policy for expiration

Define the span of 4 months as per your wish

Policy name	Type	Used as	Description
Expiry	Customer managed	None	Expires on March 12

Expiry

Expires on March 12th 2023

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```

1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Effect": "Allow",
6       "Action": [
7         "iam:*",
8         "organizations:DescribeAccount",
9         "organizations:DescribeOrganization",
10        "organizations:DescribeOrganizationalUnit",
11        "organizations:DescribePolicy",
12        "organizations:ListChildren",
13        "organizations:ListParents",
14        "organizations:ListPoliciesForTarget",
15        "organizations:ListRoots",
16        "organizations:ListPolicies",
17        "organizations:ListTargetsForPolicy"
18      ],
19      "Resource": "*",
20      "Condition": {
21        "DateGreaterThan": {
22          "aws:CurrentTime": "2022-11-12T00:00:00Z"
23        },
24        "DateLessThan": {
25          "aws:CurrentTime": "2023-03-12T23:59:59Z"
26        }
27      }
28    }
29  ]
30 }
```

Have created one policy with the name expiry and gave the timespan of 4 months for the IAM Service.

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

Instance state = running X		Clear filters					
<input checked="" type="checkbox"/>	Name ▾	Instance ID	Instance state ▾	Instance type ▾	Status check	Alarm status	Availability Zone ▾
<input checked="" type="checkbox"/>	TestServer1	i-0427cdb43083b9740	Running 🔍	t2.micro	2/2 checks passed	No alarms +	us-east-1a

Have created an Red hat Linux Instance in IAM user ITAdmin and updated my machine after logged into the Server.

PF the below,

```
Last login: Sat Nov 12 05:55:34 2022 from 49.37.200.107
[ec2-user@ip-172-31-83-63 ~]$ sudo yum update
Updating Subscription Management repositories.
Unable to read consumer identity

This system is not registered with an entitlement server. You can use subscription-manager to register.

Last metadata expiration check: 0:04:55 ago on Sat 12 Nov 2022 06:19:32 AM UTC.
Dependencies resolved.
Nothing to do.
Complete!
[ec2-user@ip-172-31-83-63 ~]$ |
```

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