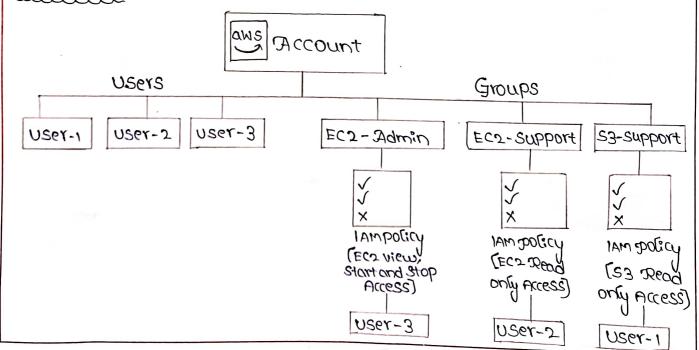
206-1:

Aim: Introduction to AINS Identify and TACCESS management.

DESCRIPTION: AWS identify and Access Management (IAM) is a Web Services that enables Amazon web services (AWS) customers to manage users and user permissions in AWS. With IAM, we centrally manage users, security credentials such as access keys and permissions that control which aws resources users can access. Aws 9dentify and Access management (1AM) can be used to manage IAM users and their access, manage IAM users Roles and their permissions and manage feederated users and their Dermissions.

Architecture:



steps: followed for AMS NAW console:

- * Choose Start Lab to Launch the Lab.
- * Wait until the message "Lab status: ready".
- * choose Aws- This will open the Aws management console in a

new browser tab. The system will automatically login.

JUZK 1: EXDIDIG THE MEETS OWY ELONDE:

- * In AWS management console, on the services menu, select IAM.
- * In Navigation plane, choose users.

The following users have been created automatically

- o User-1
- OUSET-2
- o USer-3
- * choose user-1, Here the permissions tab will be displayed.
- * Notice that user-1 does not have any spermissions.
- * choose the Groups tab, Here observe that user-1 is not a member of any groups.
- * Choose the security credentials tab. Here user-1 is assigned to a console password.
- * In navigation plane, Choose User groups.

The following groups have been created automatically:

- · EC2- Admin
- · ECZ- Support
- o S3 Support

- * Choose the Ecz-support group.
- * Choose permissions tab. This group has a managed policy
- associated with it, called AmazonEczReadonly Access. Managed
- policies are pre-built policies that can be attached to 1AM
- users and Groups.
- * Choose plus(+) icon next to the AmazonEC2 Readonly Access policy.
- to view policy details.
 - The basic structure of the statements in an IAM policy is:
- · Effect: It says whether to Allow or Deny the Dermissions.
- ·Action: It specifies the API calls that can be made against an AWS services.
- · Resources: 4t defines the scope of entities covered by the policy
- *Choose minus (-) icon to hide the policy details.
- *In navigation Plane, choose user groups.
- *choose the S3-support group and then choose permissions tab.
- othe S3-support group has the Amazons3 Readonly Access policy
- * choose the plus(+) option to view the spolicy details.
- onhis policy will grant permissions to get and dist resources in Amazon sz.
- * Choose minus (-) icon to hide the policy details.

- *In novigation Plane, choose user groups.
- * choose the Ecz-Admin group and then choose the permissions tob.
- oft has Inline policy, which is a policy assigned to just one user or Group.
- *Choose the plus(+) icon to view the policy details.
- oThis policy grants permissions to view information about Amazonea
- * choose the minus(-) icon to hide the policy details.
- Taska: Add users to Groups:
- Add user-1 to the S3-Support Group:
- * In navigation plane, choose user groups.
- * Choose the users tab.
- * In the users tab, choose Add users.
- * In the Add users to 53-support window, configure the following: · select user-1.
 - · At bottom of screen, choose Add users.
- *In the users tab we will see that user-1 has been added to the group.
- Add user-2 to the ECZ-Support Group:
- * Use the similar process for adding the user-2 to the Ecz-support
- * In the users tab we will see that user-2 has been added to the group.

Add user-3 to the Ecz-Admin Group:

- * Use the similar steps, add the user-3 to the Ecz-Admin group.
- * User-3 should now be spart of the EC2-Admin group.

Task-3: Sign-in and Test users:

- * In ravigation pane, choose basisboard.
- *An IAM users sign-in link is displayed on the right. It will bok
- Similar to: 6+4ps: 11123456789012. Signin, aws. amazon. com/console.
- *Copy the sign-in URL for IAM users in this account to a text editor.
- * open a gragnito window.
- *Paste the IAM users sign-in link into the address bar of Private browser session and press Enter.

*Sign-in with:

IAM username: user-1

Password: Lab-password1

- *In the services menu, choose sz.
- * choose the name of bucket that exists in the account and browse the contents.
- -o How, test whether they have access to Amazon Ecz.
- * In the services menu, choose Ecz.
- * In the navigation pane, choose Instances. But here we see a message
- that States you are not authorized to perform this operation.
- * Sign user-1 out of the AWS management console by completing the

to lowing actions:

- · At top ofthe screen, choose user-1.
- · Choose sign out
- * Daste the IAM users sign in link into private window tab's address bar and Dress Enter.
- * Sign-in with:
 - · IAM USET NAME: USET-2
 - o Password: La6 password2.
- *In the services menu, choose Ecz.
- *In the navigation pane, choose the Instances.
 - oselect the instance named LabHost.
- *In the Instance state menu, select stop instance.
- *In the stop instance window, select stop but we will receive an Error stating that you are not authorised to perform this operation.
- * In the services, choose s3.
 - oyou will see the message you don't have permissions to list buckets.
- *sign user-2 out of AWS management console by completing the tollowing actions:
 - . At top of the screen, choose user-2.
 - o choose sign-out
- *Poste the IAM users sign-in Link into private window tab's address bor and press Enter.

*Sign-in with:

- · IAM username: user-3
- · Password: Lab-password3
- * In the services menu, choose Ecz.
- * In the navigation pane, choose Instances.
 - oselect the instance named Labhost.
- * In the Ynstance state menu, choose stop Instances.
- *In the stop instance window, choose stop.
- * close Drivate browser window.
- *Choose End Lab and then select [yes] to confirm that you want to end the lab.