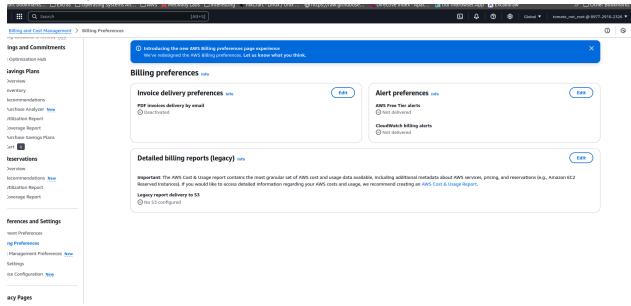
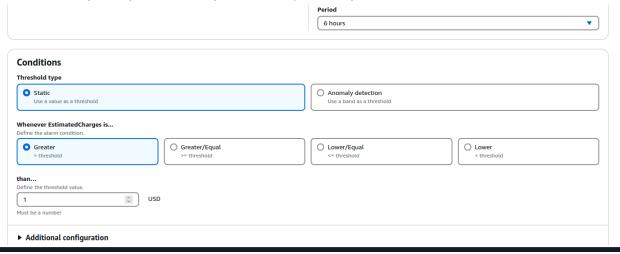
Q1 - Creating an aws account



Editing the Alert preference to enable the Cloudwatch notifications on the account And accessing billing and creating an alarm by creating a cloudwatch alarm



Create an Alaram on 1\$ estimated usage

Configure actions



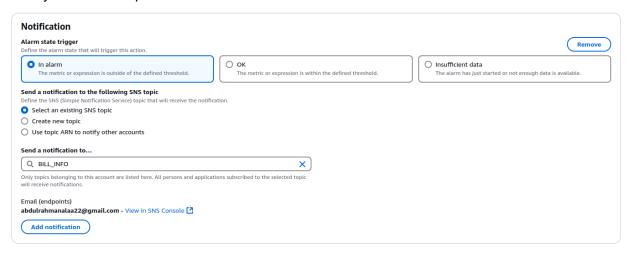
Next create an SNS to publish to and attach an email subscriber at the other end



Subscribe to the topic using your account



Finally attach the topic to the alarm



Add name and description



Create a message for your alarm

Or simply create a zero-spend budget from a budget template

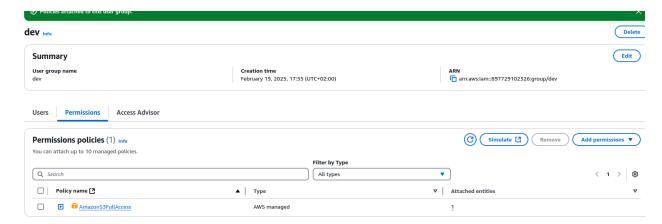


Q2: create 2 groups and make 1 admin and one dev group

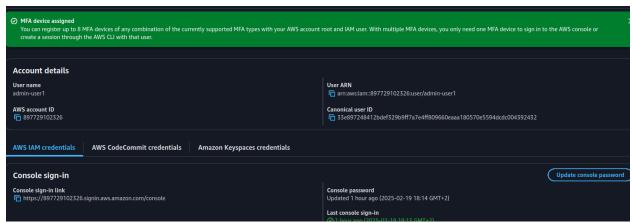


Q3: give the admin group administrative access by attaching admin policy

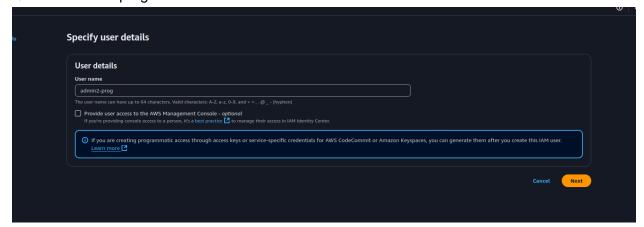




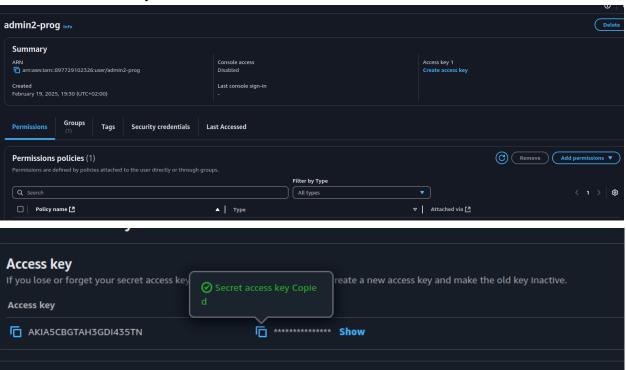
Q4: add mfa to the admin user 1



Q5: add admin2-prog and access with the aws cli



First add an access key to the created user



Using aws configure to add my secret access key

```
^[^C
tomato@Tomato:~/aws$ aws configure
AWS Access Key ID [None]: AKIA5CBGTAH3GDI435TN
AWS Secret Access Key [None]: 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
Default region name [None]: us-east-1
Default output format [None]: json
tomato@Tomato:~/aws$
View all services
```

Using aws cli to list-users

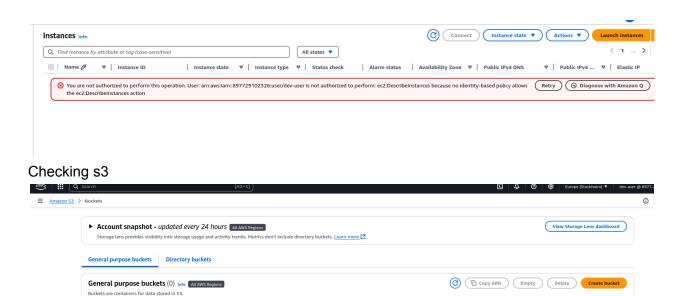
Using aws cli to list-groups

Q6: Create dev user



```
AWS Access Key ID [None]: ^C
tomato@Tomato:~/.aws$ aws configure --profile devuser
AWS Access Key ID [None]: AKIA5CBGTAH3PL327CEU
AWS Secret Access Key [None]: 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
Default region name [None]: us-east-1
Default output format [None]: json
tomato@Tomato:~/.aws$

For more details about managing access keys, see the best practices for n
```



Q9: we can see that the devuser doesnt have access for the iam users

▲ AWS Region

Q Find buckets by name

Name

tomato@Tomato:~/.aws\$ aws iam --profile devuser list-users
An error occurred (AccessDenied) when calling the ListUsers operation: User: arn
:aws:iam::897729102326:user/dev-user is not authorized to perform: iam:ListUsers
on resource: arn:aws:iam::897729102326:user/ because no identity-based policy a
llows the iam:ListUsers action
tomato@Tomato:~/.aws\$ aws iam --profile devuser list-users

▼ IAM Access Analyzer

No buckets
u don't have any bucket

Create bucket

Creation date