Create user in IAM with programmatic access and use AWS CLI to create more users.

1. In AWS management console under IAM service , Select ‘Add users’

Graphical user interface

Description automatically generated with medium confidence

1. Give user name and select required access type then select ‘Next: Permissions’ .

For Programmatic access, select the checkbox for “Access key – programmatic access” which will generate the access keys and for AWS management console access , select “Password – AWS management console”. Choose “Autogenerated password” or “custom password” if you want to enter your own password.

Graphical user interface, text, application, email

Description automatically generated

1. Attach required access policies based on the user role(best practice to give least privileges) and select “Next: Tags”

Graphical user interface, application

Description automatically generated

1. Add tags, its optional -> select ‘Review’

Graphical user interface, text, application, email

Description automatically generated

1. Review the user details and permissions -> select ‘Create User’

Graphical user interface, text, application, email

Description automatically generated

1. User created in IAM with Access key ID and Secret access key for the new user. This is the only time access keys are available to download. Access keys can be sent in email as well. Without the keys user will not able to access the CLI or any programmatic ways. The access keys are mapped to the created user, cannot be used for other users in IAM.

Graphical user interface, text, application

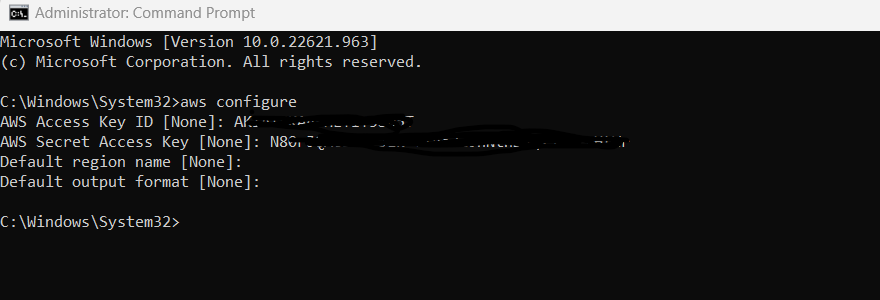
Description automatically generated

1. Download and install the latest version of AWS CLI
2. After installing the AWS CLI, in the command prompt check AWS CLI version – “aws –version” command .

Text

Description automatically generated

1. Configure with user with access keys obtained when creating the user in IAM console.



1. Use command ‘aws iam create-user --user-name demouser2’ to create a new user through aws CLI

Text

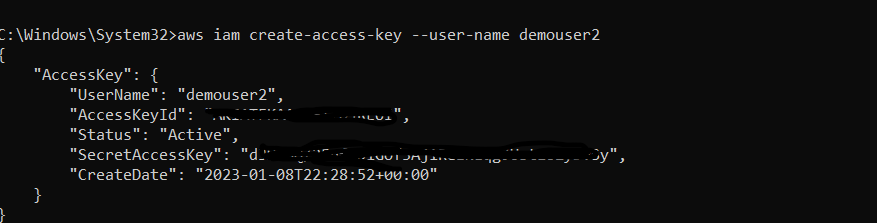
Description automatically generated

1. To set the password for the new user , use command ‘aws iam create-login-profile --user-name demouser2 --password <enter\_password> --no-password-reset-required’

Text

Description automatically generated

1. Create access keys for the user with command ‘aws iam create-access-key –user-name demouser2’



1. Add access to the user – ‘aws iam attach-user-policy --user-name demouser2 --policy-arn "arn:aws:iam::aws:policy/AmazonEC2FullAccess"’



1. To check the list of users , use command ‘aws iam list-users’

Text

Description automatically generated