Introduction to AWS CLI:

The AWS Command Line Interface (AWS CLI) is an open-source tool that allows you to use commands in your command-line shell to interact with AWS services.

* The AWS CLI controls the AWS resources on your own or any device from a terminal session, which allows you to control, monitor and configure multiple AWS services.
* The AWS CLI allows you to start running commands with a minimal configuration that enforce functionality similar to that offered by the browser-based AWS Management Console from the command prompt in your favorite terminal program: Linux, Mac, or Windows.
* The AWS CLI is available in two versions (v1 and v2) and version 2 is the most recent major version of the AWS CLI and supports all of the latest features. The AWS CLI version 2 is available to install only as a bundled installer. AWS recommends that you install the AWS CLI from only the official AWS distribution points.

### **AWS CLI - Command Structure**

AWS CLI is a management interface that allows us to do everything we do via the management console by entering the commands.

* Knowing and learning this really well will make our life much easier.
* As we dive deep into the AWS world, we will see that this is like a huge sea that will grow day by day as we work on the environment. Therefore, it will become almost impossible to manage manually after a while.
* Therefore, it is important to understand the command structure well.
* It is not possible to learn this structure completely at once. As we use the AWS CLI and become familiar with AWS services, it will evolve in our competence on AWS CLI commands.

After configuring AWS on the terminal, we are now connected to the AWS world. The AWS Command Line Interface (AWS CLI) uses a multipart structure on the command line that must be specified in this order:

**AWS CLI – Example:**

**$ aws help**

**$ aws iam help**

**$ aws iam ls help**

### **AWS CLI - Creating IAM User:**

### **$ aws iam create-user --user-name MyUser**

**Listing IAM users:**

**$ aws iam list-users**

**Creating a New user:**

**$ aws iam create-user --user-name John**

### **AWS CLI - Creating IAM Group**

**$ aws iam create-group --group-name MyIamGroup**

**Listing IAM Group:**

**$ aws iam list-groups**

**Creating a New group:**

**$ aws iam create-group --group-name TestCLI**

### **AWS CLI - Adding Users to IAM Groups:**

**$ aws iam add-user-to-group --user-name John --group-name TestCLI**