◆ Basic Commands

An AWS CLI command has the following **structure**:

$ aws <command> <subcommand> [options and parameters]

For **example**, to list S3 buckets, the command would be:

$ aws s3 ls

```
$ aws help
$ aws <command> help
$ aws <command> <subcommand> help
```

▶View help documentation.

```
$ aws --version
```

▶Get the version of the AWS CLI.

Basic Commands

```
$ aws --debug <command> <subcommand>
```

▶ Turn on debugging output.

◆ EC2

```
$ aws ec2 run-instances --image-id ami-a0b1234 --instance-
type t2.micro --security-group-ids sg-00000000 --dry-run
```

▶ Create a new EC2 instance.

```
$ aws ec2 describe-instances --instance-ids i-5203422c
```

▶ Describe an Amazon EC2 instance.

```
$ aws ec2 describe-instances --filters "Name=instance-
type,Values=t1.micro"
```

▶ Create a new EC2 instance.

```
$ aws ec2 describe-instances --filters "Name=tag-
key,Values=Owner"
```

▶ Describe all instances with an Owner tag.

```
$ aws ec2 terminate-instances --instance-ids <instance_id>
```

▶ Stop an instance.

◆ Security Groups

```
$ aws ec2 describe-security-groups
```

▶ List all security groups.

```
$ aws ec2 create-security-group --vpc-id vpc-1a2b3c4d --group-name web-access --description "web access"
```

▶ Create a security group

```
$ aws ec2 delete-security-group --group-id sg-00000000
```

▶ Delete a security group

◆ AWS IAM

```
$ aws iam create-user --user-name UserName
```

▶ Create new user.

```
$ aws iam list-users
```

▶ List all user's info

```
$ aws iam list-users --output text | cut -f 10
```

▶ List all user's usernames.

```
$ aws iam delete-user --user-name UserName
```

▶ Delete a user.

◆ Access Keys

```
$ aws iam create-access-key --user-name UserName --output
text | tee UserName.txt
```

▶ Create a new access key.

```
$ aws iam list-access-keys
```

▶ List all access keys.

```
$ aws iam delete-access-key --access-key-id
THINKPORTIDK4EXAMPLE --user-name UserName
```

▶ Delete an access keys.

◆ AWS S3

```
$ aws s3 mb s3://<bucketName>
```

▶ Create new bucket.

```
$ aws s3 ls
```

▶ List S3 buckets.

◆ **AWS S3**

```
$ aws s3 ls s3://<bucketName>
```

▶List bucket content.

```
$ aws s3 rb s3://<bucketName>
```

▶Remove an empty bucket.

```
$ aws s3 sync <local> s3://<bucketName>
```

▶Sync objects.

◆ Groups and Policies

```
$ aws iam create-group --group-name GroupName
```

▶Create a group

```
$ aws iam list-groups
```

▶List all groups.

```
$ aws iam delete-group --group-name GroupName
```

▶Delete a group.

```
$ aws iam list-policies
```

▶List all policies.

◆ Groups and Policies

```
$ aws iam get-policy --policy-arn
```

▶ Get a specific policy.

```
$ aws iam add-user-to-group --group-name GroupName --user-
name UserName
```

▶ Add a user to a specific group.

```
$ aws iam remove-user-from-group --group-name GroupName --
user-name UserName
```

▶ Remove a user from a specific group

```
$ aws iam delete-group --group-name GroupName
```

▶ Delete a specific group.