

AWS_IAM_2

Creating user and assigning them to groups using AWS CLI

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To install AWS CLI on your local machine(Windows), first go to

<https://docs.aws.amazon.com/cli/latest/userguide/install-windows.html> and then navigate to windows section and select the installer that you want

Install and update the AWS CLI version 1 using the MSI installer

Check the [Releases](#) page on GitHub to see when the latest version was released. When updates are released, you must repeat the installation process to get the latest version of the AWS CLI version 1.

1. Download the appropriate MSI installer:

- AWS CLI MSI installer for Windows (64-bit): <https://s3.amazonaws.com/aws-cli/AWSCLI64PY3.msi>
- AWS CLI MSI installer for Windows (32-bit): <https://s3.amazonaws.com/aws-cli/AWSCLI32PY3.msi>
- AWS CLI combined setup file for Windows: <https://s3.amazonaws.com/aws-cli/AWSCLISetup.exe> (includes both the 32-bit and 64-bit MSI installers, and automatically installs the correct version)

2. Run the downloaded MSI installer or the setup file.

3. Follow the on-screen instructions. By default, the AWS CLI version 1 installs to C:\Program Files\Amazon\AWSCLI (64-bit version) or C:\Program Files (x86)\Amazon\AWSCLI (32-bit version).

Here we have downloaded the AWS CLI MSI installer for windows(64-bit) and then successfully installed it on our machine and then run **aws --version** on your command prompt for confirmation of the installation

```
aws --version
aws-cli/2.2.13 Python/3.8.8 Windows/10 exe/AMD64 prompt/off
```

Now to create an **IAM group** and add a new **IAM user** to it

```
aws iam create-group --group-name developers_aws
{
  "Group": {
    "Path": "/",
    "GroupName": "developers_aws",
    "GroupId": "AGPA3Y4ZL2R4C74XPE74R",
    "Arn": "arn:aws:iam::809386103928:group/developers_aws",
    "CreateDate": "2021-07-19T13:37:36+00:00"
  }
}
```

Now to **create a new user**

```
aws iam create-user --user-name test_user_one
{
  "User": {
    "Path": "/",
    "UserName": "test_user_one",
    "UserId": "AIDA3Y4ZL2R4ERBPAD54C",
    "Arn": "arn:aws:iam::809386103928:user/test_user_one",
    "CreateDate": "2021-07-19T13:39:20+00:00"
  }
}
```

Now to add the created user **test_user_one** to the group **developers_aws**

```
aws iam add-user-to-group --user-name test_user_one --group-name developers_aws
```

To check about the created user and group

```
aws iam get-group --group-name developers_aws
{
  "Users": [
    {
      "Path": "/",
      "UserName": "test_user_one",
      "UserId": "AIDA3Y4ZL2R4ERBPAD54C",
      "Arn": "arn:aws:iam::809386103928:user/test_user_one",
      "CreateDate": "2021-07-19T13:39:20+00:00"
    }
  ],
  "Group": {
    "Path": "/",
    "GroupName": "developers_aws",
    "GroupId": "AGPA3Y4ZL2R4C74XPE74R",
    "Arn": "arn:aws:iam::809386103928:group/developers_aws",
    "CreateDate": "2021-07-19T13:37:36+00:00"
  }
}
```

We can also verify it in the **AWS console** by navigating into the **IAM console** and under the **Users** section

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IAM > Users

IAM users (2) Info

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Search

< 1 >

	User name	Groups	Last activity	MFA	Console last sig
<input type="checkbox"/>	rohit	1	7 minutes ago	None	1 hour ago
<input type="checkbox"/>	test_user_one	1	Never	None	None

Also we can list the group that we created by navigating to the **groups** section

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IAM > User groups

User groups (3) Info

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

Filter User groups by property or group name and press enter

< 1 >

	Group name	Users	Permissions	Creation time
<input type="checkbox"/>	admins	1	Defined	29 days ago
<input type="checkbox"/>	developers	0	Not defined	29 days ago
<input type="checkbox"/>	developers_aws	0	Not defined	14 minutes ago