

AWS 프로그래밍 접근 설정하기

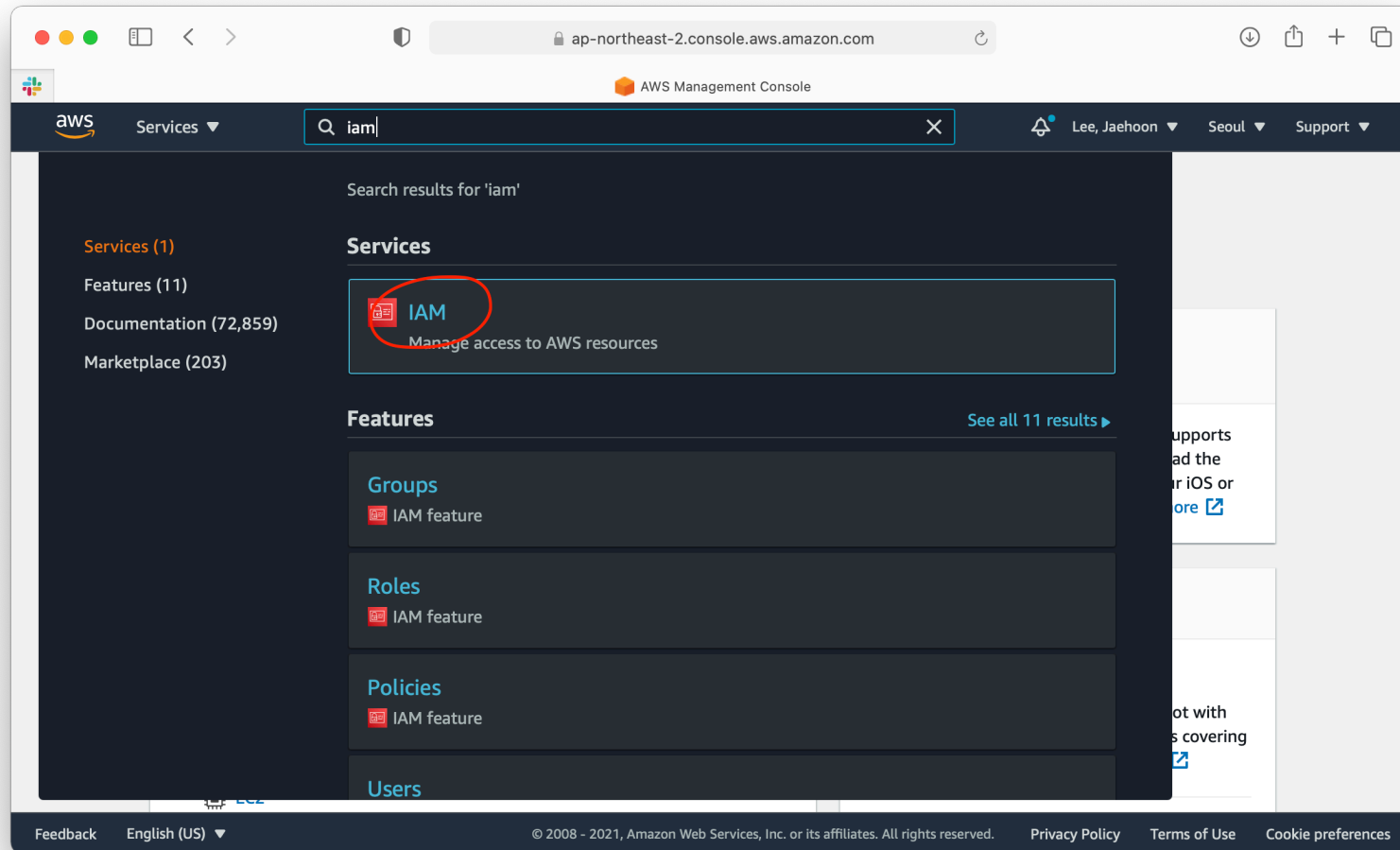
BAF675 금융 빅데이터 분석

이재훈, Week 3

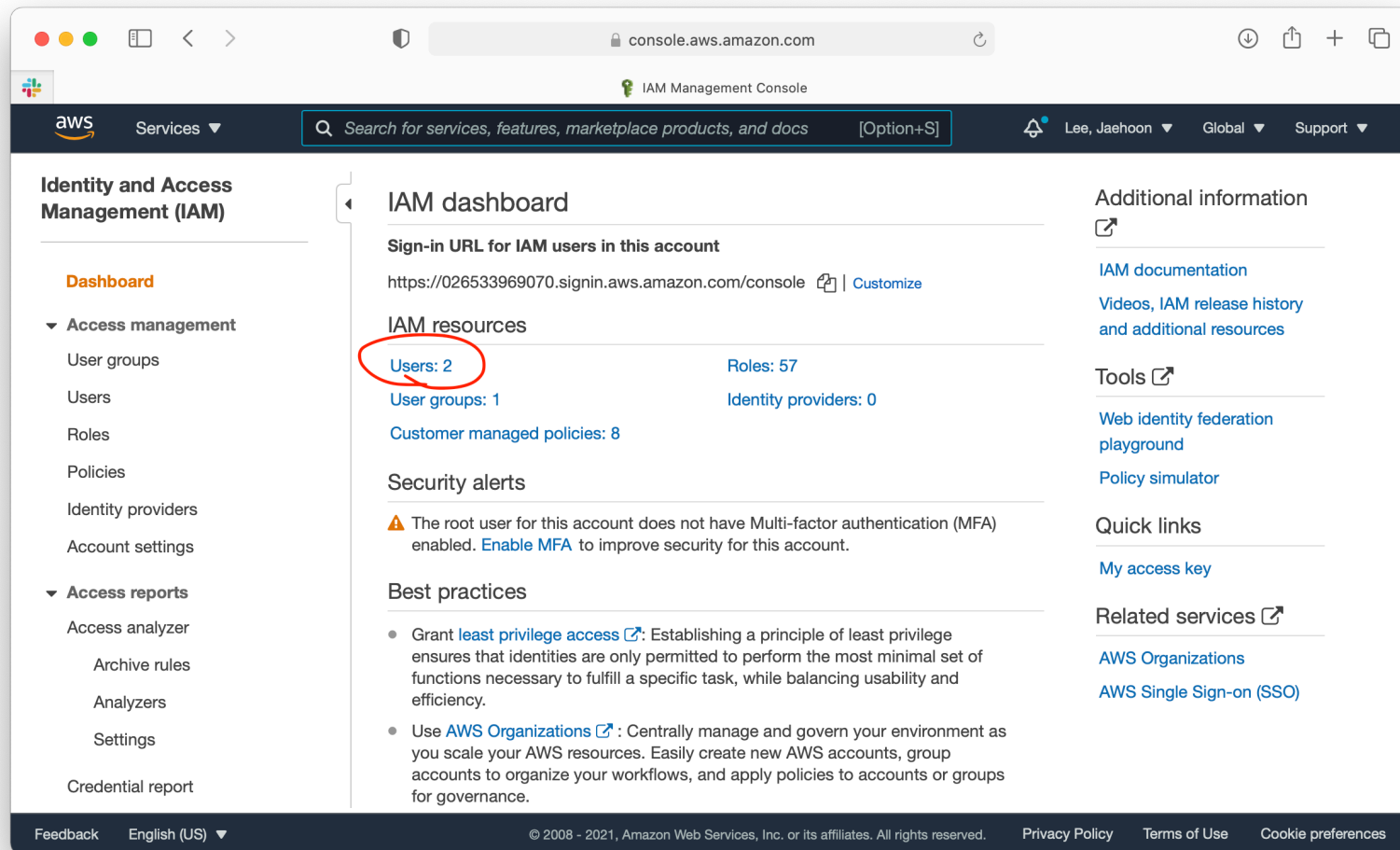
AWS 를 프로그램으로 접근하기

- 지금까지는 웹 브라우저에서 AWS Management Console 접속해서 클릭하는 걸로 모 든걸 해결했었죠?
- 자, 이제는 Python 으로 프로그래밍하면서 AWS 서비스를 접근하기 위한 준비를 할 차례 입니다.

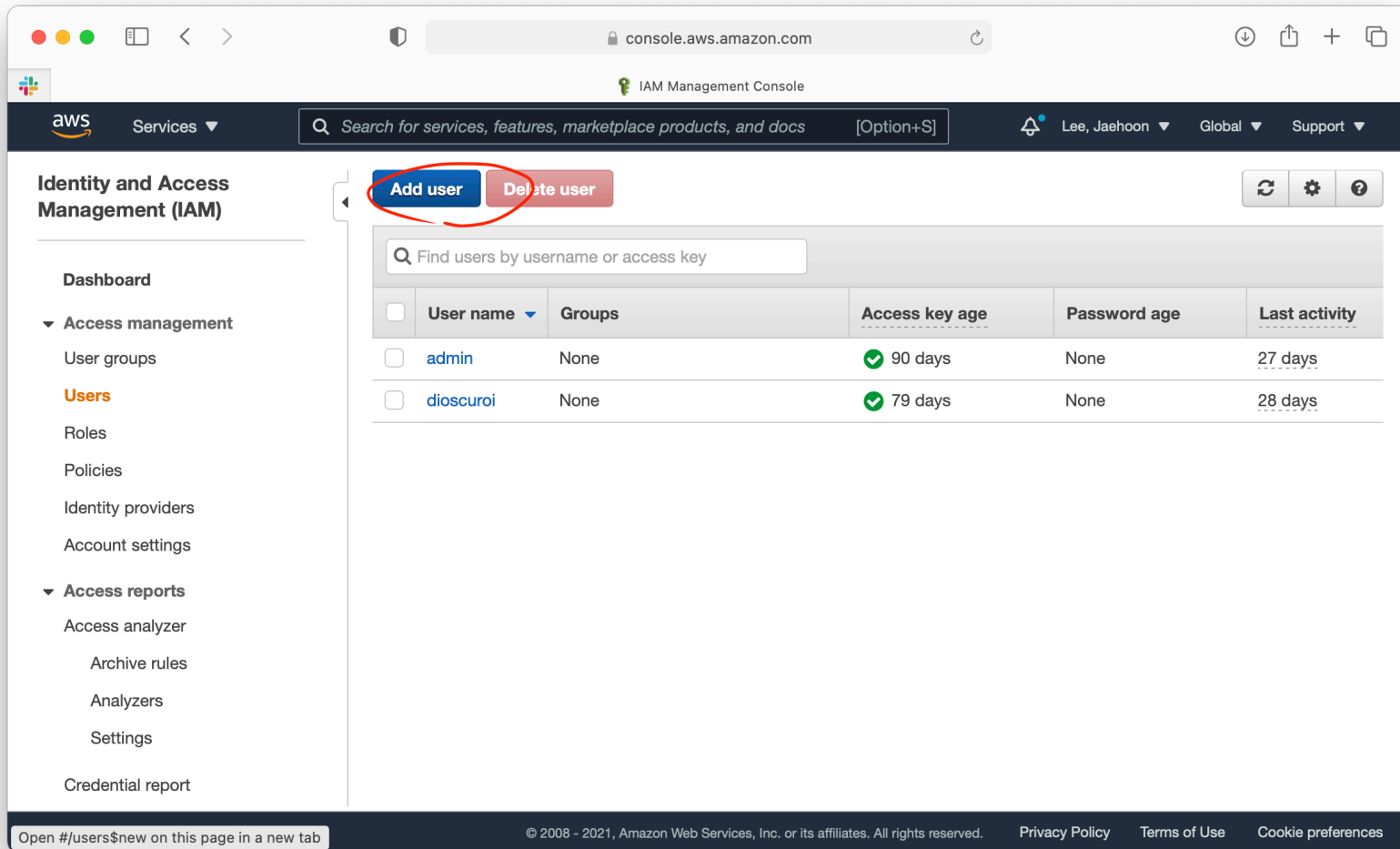
AWS IAM credential 생성하기



AWS IAM credential 생성하기



AWS IAM credential 생성하기



The screenshot shows the AWS IAM Management Console interface. The 'Add user' button is circled in red. The console displays a list of users with the following columns: User name, Groups, Access key age, Password age, and Last activity.

	User name	Groups	Access key age	Password age	Last activity
<input type="checkbox"/>	admin	None	✓ 90 days	None	27 days
<input type="checkbox"/>	dioscuroi	None	✓ 79 days	None	28 days

Open #/users\$new on this page in a new tab

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AWS IAM credential 생성하기

console.aws.amazon.com

IAM Management Console

aws Services Search for services, features, marketplace products, and docs [Option+S] Lee, Jaehoon Global Support

Add user

1 2 3 4 5

Set user details

You can add multiple users at once with the same access type and permissions. [Learn more](#)

User name* admin

A user named "admin" already exists

[+ Add another user](#)

Select AWS access type

Select how these users will access AWS. Access keys and autogenerated passwords are provided in the last step. [Learn more](#)

Access type* ☒ **Programmatic access**
Enables an **access key ID** and **secret access key** for the AWS API, CLI, SDK, and other development tools.

☐ **AWS Management Console access**
Enables a **password** that allows users to sign-in to the AWS Management Console.

* Required

[Cancel](#) [Next: Permissions](#)

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AWS IAM credential 생성하기

console.aws.amazon.com

IAM Management Console

Services Search for services, features, marketplace products, and docs [Option+S] Lee, Jaehoon Global Support

Add user

1 2 3 4 5

Set permissions

Add user to group Copy permissions from existing user Attach existing policies directly

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)

Add user to group

Create group Refresh

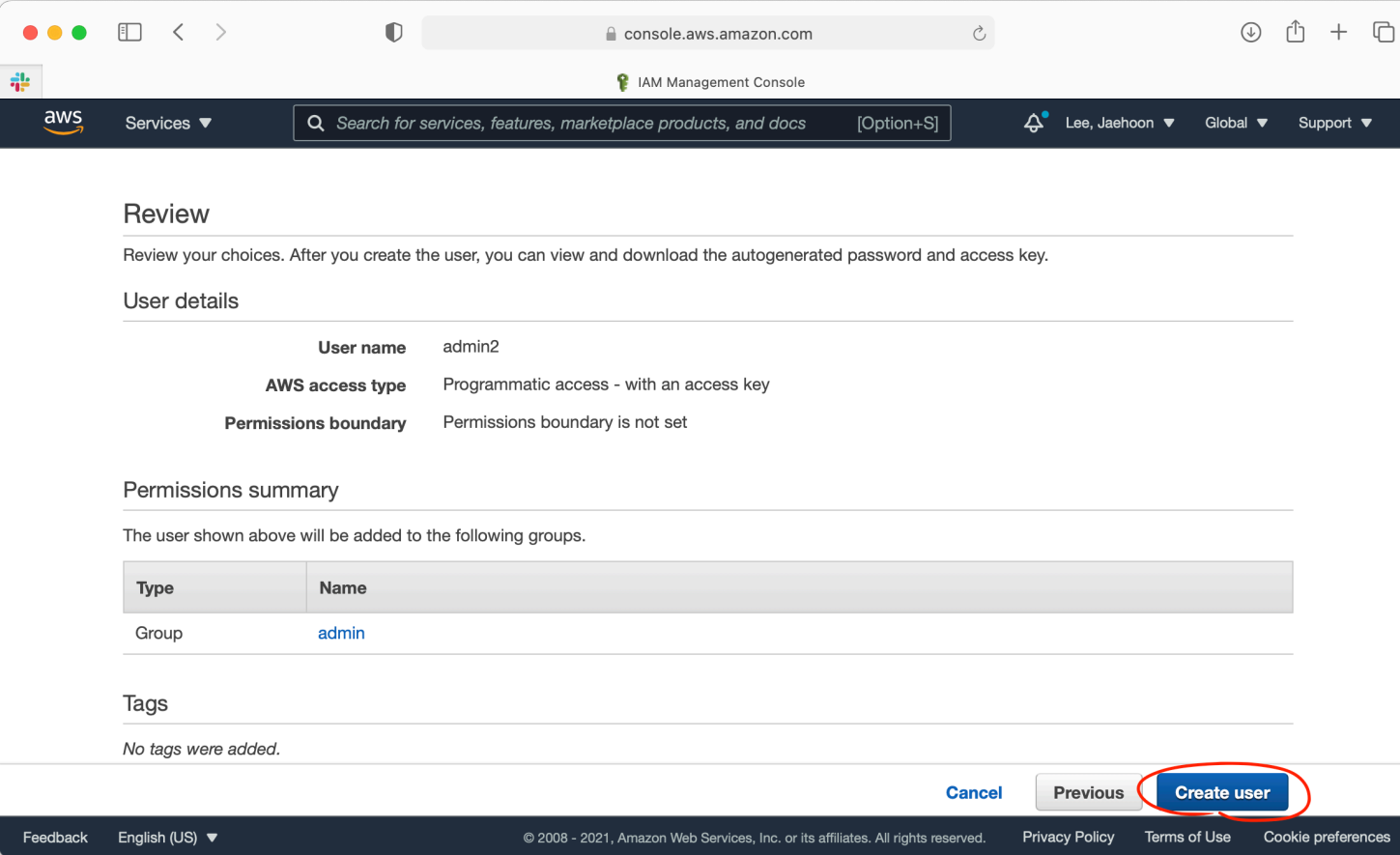
admin Showing 1 result

Group	Attached policies
<input checked="" type="checkbox"/> admin	AmazonEC2ContainerRegistryFullAccess and 1 more

Cancel Previous Next: Tags

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AWS IAM credential 생성하기



The screenshot shows the AWS IAM Management Console interface. The browser address bar displays `console.aws.amazon.com`. The page title is "IAM Management Console". The navigation bar includes the AWS logo, a "Services" dropdown, a search bar with the placeholder "Search for services, features, marketplace products, and docs", and user information for "Lee, Jaehoon".

The main content area is titled "Review". Below the title, a message states: "Review your choices. After you create the user, you can view and download the autogenerated password and access key."

The "User details" section contains the following information:

- User name:** admin2
- AWS access type:** Programmatic access - with an access key
- Permissions boundary:** Permissions boundary is not set

The "Permissions summary" section states: "The user shown above will be added to the following groups." Below this is a table with two columns: "Type" and "Name".

Type	Name
Group	admin

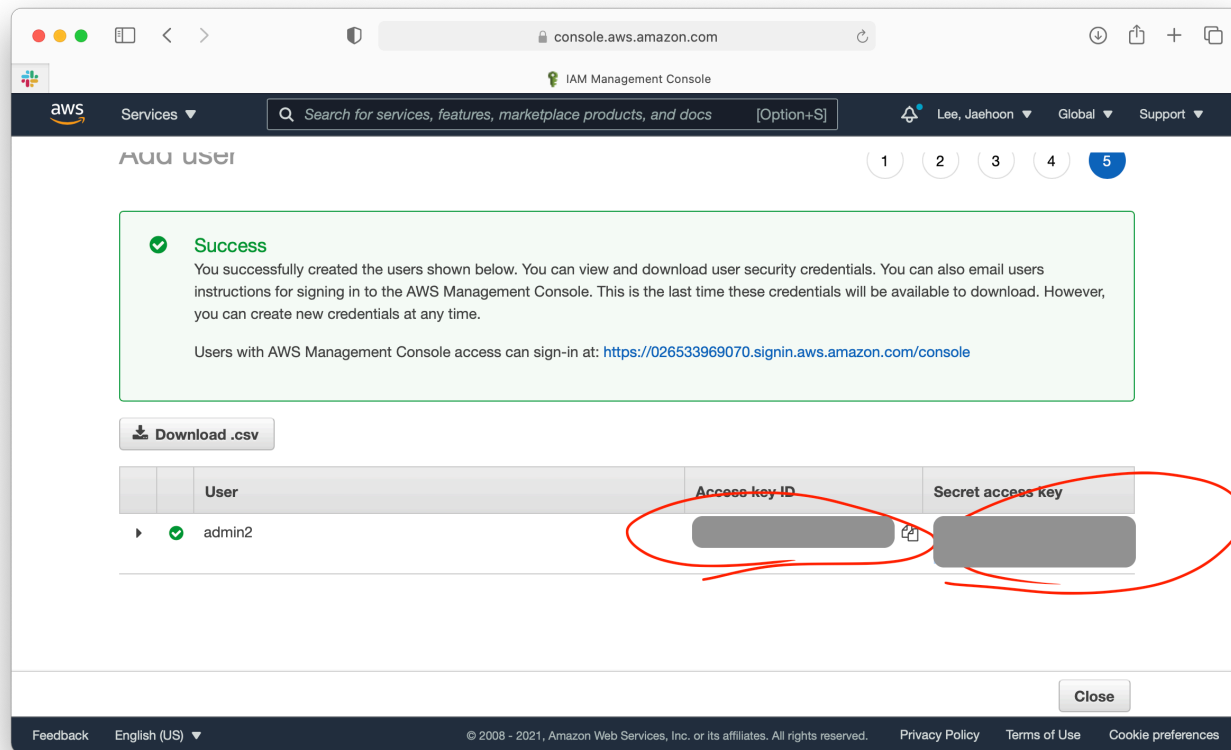
The "Tags" section states: "No tags were added."

At the bottom right of the form, there are three buttons: "Cancel", "Previous", and "Create user". The "Create user" button is highlighted with a red circle.

The footer of the console includes links for "Feedback", "English (US)", "© 2008 - 2021, Amazon Web Services, Inc. or its affiliates. All rights reserved.", "Privacy Policy", "Terms of Use", and "Cookie preferences".

AWS IAM credential 생성하기

- Access key ID 와 Secret access key 를 꼭 메모해놓으세요!
- 외부에 유출되면 절대 안됩니다!



AWS CLI 설치하기

- AWS CLI 설치 방법

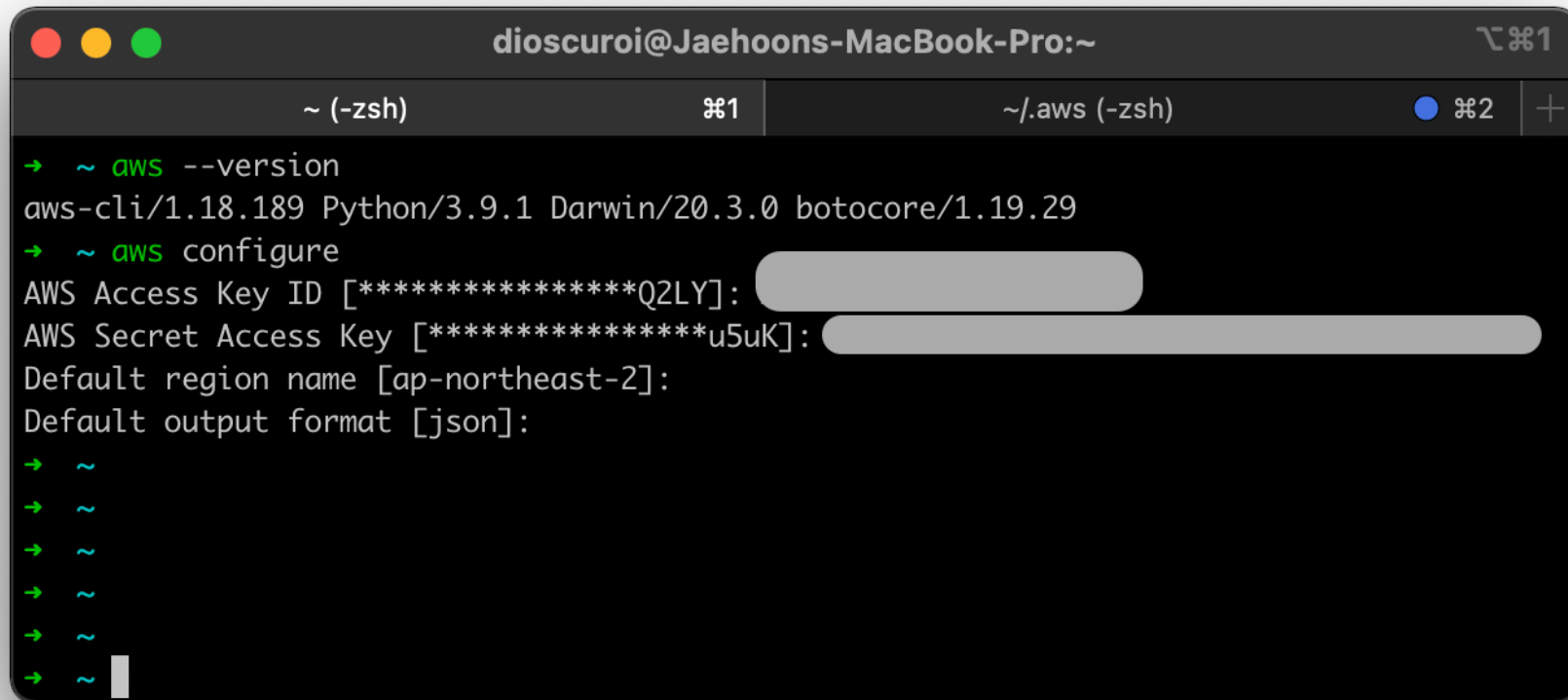
1. 아래 링크를 따라서 진행 (v2)

<https://docs.aws.amazon.com/cli/latest/userguide/getting-started-install.html>

2. pip 을 통해서도 설치 가능 (v1)

> pip install awscli

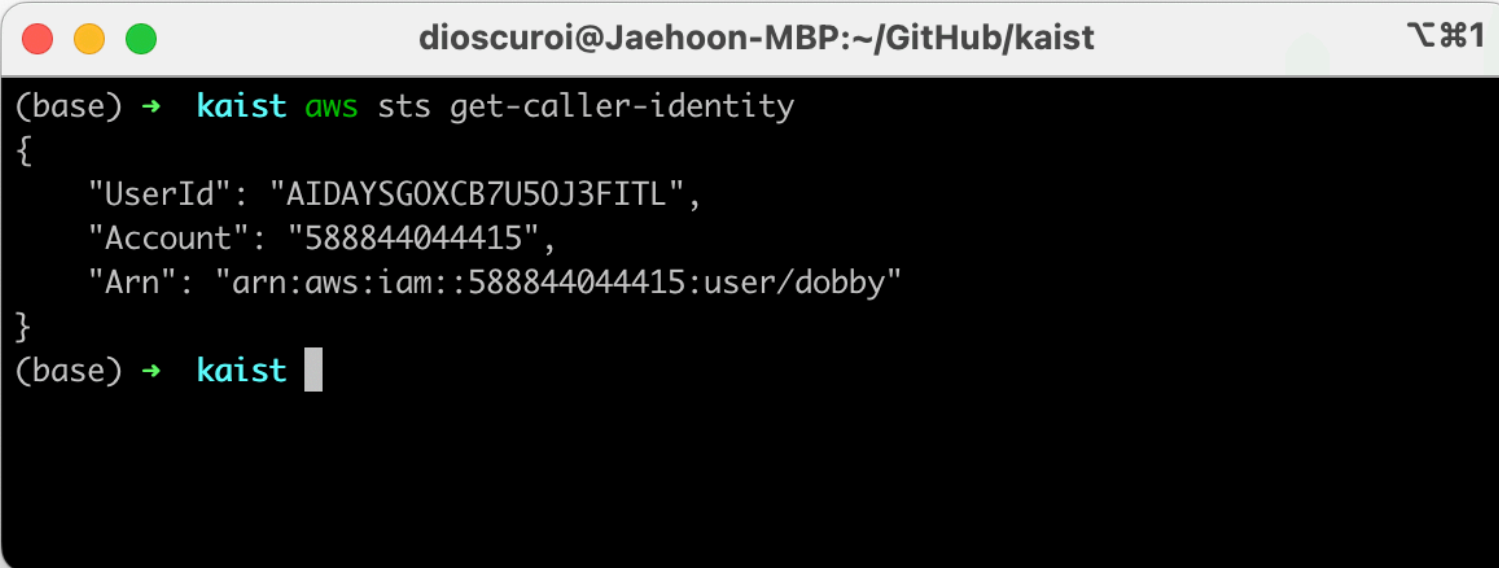
AWS CLI 설정



```
dioscuroi@Jaehoons-MacBook-Pro:~  
~ (-zsh) 1 | ~/.aws (-zsh) 2 +  
→ ~ aws --version  
aws-cli/1.18.189 Python/3.9.1 Darwin/20.3.0 botocore/1.19.29  
→ ~ aws configure  
AWS Access Key ID [*****Q2LY]:   
AWS Secret Access Key [*****u5uK]:   
Default region name [ap-northeast-2]:  
Default output format [json]:  
→ ~  
→ ~  
→ ~  
→ ~  
→ ~  
→ ~
```

AWS CLI 설정 확인

- `aws sts get-caller-identity`

A terminal window with a dark background and light-colored text. The title bar at the top shows three colored window control buttons (red, yellow, green) on the left, the text 'dioscuroi@Jaehoon-MBP:~/GitHub/kaist' in the center, and a zoom icon followed by the number '1' on the right. The terminal content shows a prompt '(base) →' followed by the command 'kaist aws sts get-caller-identity'. The output is a JSON object with three fields: 'UserId', 'Account', and 'Arn'. The prompt '(base) →' is followed by 'kaist' and a cursor.

```
(base) → kaist aws sts get-caller-identity
{
  "UserId": "AIDAYSGOXC7U50J3FITL",
  "Account": "588844044415",
  "Arn": "arn:aws:iam::588844044415:user/dobby"
}
(base) → kaist
```