

AWS 101

Hands on LAB (1)

AWS 시작하기

임성은

AWS Korea, Territory
Manager

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**사전에 준비해 오신
AWS 계정으로 로그인을 해주세요.**

Wifi : Guest / Password : Echo@ @179

AWS 101
Hands on LAB (1)

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IAM 활용 하기

루트계정/ IAM User 생성/ User Group 생성

루트 계정이란? (Root account)

AWS 계정 생성하기를 통해 만들어진 계정을 루트 계정이라고 부릅니다. (Root account)
루트 계정은 AWS 리소스에 대한 모든 권한을 가지고 있는 Master or Admin 계정입니다.

만약 루트 계정의 정보가 외부로 노출 된다면?

IAM 활용하기

IAM

(Identity and Access Management)

IAM을 사용해서 루트 계정 아래 User 및 User Group을 생성하고 권한을 관리해 보세요.

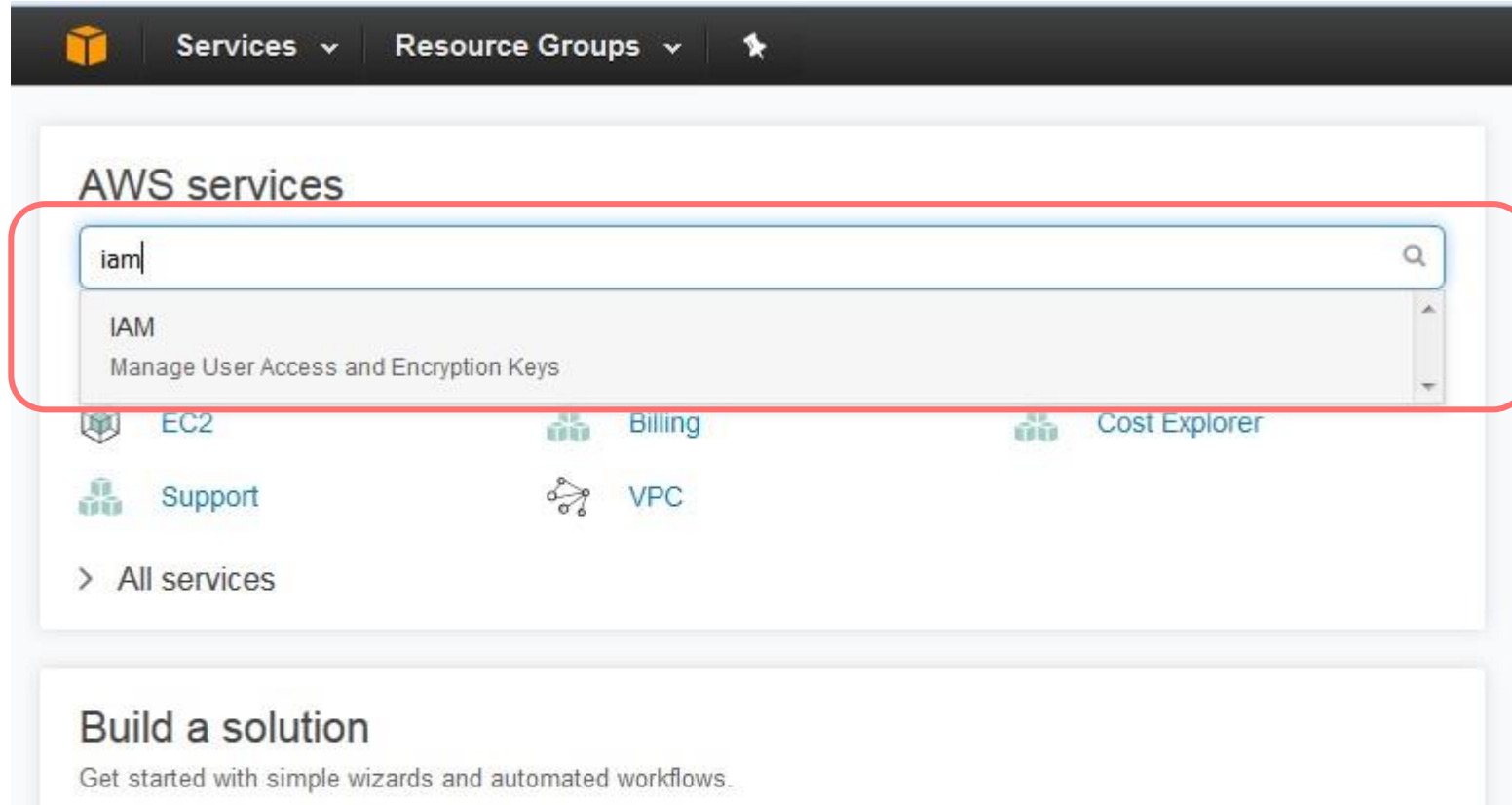
IAM을 활용하면 사용자별로 액세스 가능한 AWS 리소스를 제어할 수 있습니다.

어떤 상황에서 IAM을 사용하면 좋을까요?



IAM 사용자 생성하기

- 1 AWS 루트 계정으로 로그인, Management Console 로 들어갑니다.
- 2 콘솔 화면 상단에 있는 검색 창에 "IAM"을 입력하고, 검색 결과를 클릭합니다.



IAM 유저 생성하기




- 1 IAM 서비스 화면 좌측에 있는 탭에서 "Users"를 클릭하면 User 관리 페이지로 이동합니다.
- 2 User 관리 페이지에서 신규 User를 생성하기 위해 "Add User" 버튼을 클릭합니다.

The screenshot displays the AWS IAM console interface. On the left sidebar, the 'Users' tab is highlighted with a red box and a red circle containing the number '1'. The top navigation bar features a dark header with 'Services', 'Resource Groups', and a search icon. Below this, a search bar labeled 'Search IAM' is present. The main content area shows a table with columns: 'User name', 'Groups', 'Access key age', and 'Password age'. The 'Add user' button is highlighted with a red box and a red circle containing the number '2'. The message 'There are no IAM users. [Learn more](#)' is displayed below the table.

User name	Groups	Access key age	Password age
There are no IAM users. Learn more			

IAM 사용자 생성하기

- 1 “User name” 빈 칸에 사용하실 사용자 이름을 입력해 주세요.
- 2 “Add another user”를 클릭하면 한번에 여러 개의 User를 생성할 수 있습니다.

 Services ▾ Resource Groups ▾   areum jo ▾ Global ▾

Add user

1

2

3

4

DetailsPermissionsReviewComplete

Set user details

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

User name*


Dev

×

Ops

×

2

 Add another user

IAM 유저 생성하기

1 Access type 에서 “AWS Management Console access”를 선택합니다.

★ Programmatic access 를 선택, User를 만들면 access key ID and secret access key를 받게 됩니다. 이는 AWS API, CLI, SDK 또는 다른 Development tool을 통해 AWS 서비스에 Access 하기 위해 필요합니다.

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.

IAM 유저 생성하기

- 1 “Custom password” 를 선택, 직접 비밀번호를 입력해 주세요. (User가 첫 로그인 시 사용할 비밀번호)
- 2 “Required password reset” 을 체크하면, 해당 유저가 첫 로그인 후 비밀번호를 변경하게 됩니다.

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.

Console password*

☐ Autogenerated password

☒ Custom password

1

.....|

☐ Show password

2

Require password reset

☒

Users must create a new password at next sign-in

Users automatically get the [IAMUserChangePassword](#) policy to allow them to change their own password.

3

* Required


Cancel

Next: Permissions

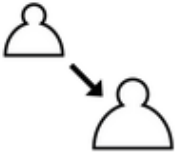
IAM 유저 생성하기

- 1 AWS 에서 기본적으로 제공하는 Policy 를 활용해 User에게 권한을 부여할 수 있습니다.
Admin 권한을 부여하기 위해 Administrator Access 권한을 선택하고, Next review를 클릭합니다.


Set permissions for Dev and Ops



Add users to group



Copy permissions from existing user



Attach existing policies directly

Attach one or more existing policies directly to the users or create a new policy. [Learn more](#)



Create policy

Refresh

Filter: Policy type

Search

Showing 275 results



	Policy name	Type	Attachments	Description
<input checked="" type="checkbox"/>	 AdministratorAccess	Job function	0	Provides full access to AWS services and resources.
<input type="checkbox"/>	 AmazonAPIGatewayAdministrator	AWS managed	0	Provides full access to create/edit/delete APIs in Amazon API Gateway via the AWS Manage...


체크박스 클릭

1

[참고 - Policy 생성하기]

★ AWS 에서 제공하는 Policy 외에 아래 방법으로 새로운 정책 (Policy)를 생성할 수 있습니다.
직접 생성한 Policy를 사용해 User 에게 권한을 부여할 수 있습니다.

 Services ▾ Resource Groups ▾ 

 areum jo ▾ Global ▾ Support ▾

Create Policy

Step 1 : Create Policy

Step 2 : Set Permissions

Step 3 : Review Policy

Create Policy

A policy is a document that formally states one or more permissions. Create a policy by copying an AWS Managed Policy, using the Policy Generator, or typing your own custom policy.

Copy an AWS Managed Policy

Start with an AWS Managed Policy, then customize it to fit your needs.

Select

Policy Generator

Use the policy generator to select services and actions from a list. The policy generator uses your selections to create a policy.

Select

Create Your Own Policy

Use the policy editor to type or paste in your own policy.

Select

IAM 유저 생성하기

Add user



Review

Review your choices. After you create the users, you can view and download autogenerated passwords and access keys.

User details

User names	Dev and Ops
AWS access type	AWS Management Console access - with a password
Console password type	Custom
Require password reset	Yes

Permissions summary

The following policies will be attached to the users shown above.

Type	Name
Managed policy	AdministratorAccess
Managed policy	IAMUserChangePassword

리뷰내용을 확인하고 클릭 1

Cancel

Previous

Create users

IAM 유저 생성하기

Add user



✓ Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: <https://161429566688.signin.aws.amazon.com/console> User가 로그인할 수 있는 Link

Download .csv

	User	Password	Email login instruc
▶ ✓	Dev	***** Show	Send email ↗
▶ ✓	Ops	***** Show	Send email ↗



Close

IAM 유저 생성하기

Add user



Success

You successfully
AWS Manage

Users with AWS



Download .csv

User



Dev



Ops

Welcome to Amazon Web Services - Message (HTML)

FILE MESSAGE INSERT OPTIONS FORMAT TEXT REVIEW

맑은 고딕 11 A A

Attach File Attach Item Signature Follow Up High Importance Low Importance Zoom Apps for Office Add-ins

Clipboard Basic Text Names Include Tags Zoom Add-ins

Send To... Cc... Subject Welcome to Amazon Web Services

Hello,

You have been given access to the AWS Management Console for the Amazon Web Services account ID ending in 6688. You can get started by using the sign-in information provided below.

Sign-in URL: <https://161429566688.signin.aws.amazon.com/console>
User name: Dev

Your initial sign-in password will be provided separately from this email. When you sign in for the first time, you must change your password.

Sincerely,

Your AWS Account Administrator

3

Review

4

Complete

email users instructions for signing in to the
create new credentials at any time.

d

Email login instruc

Sho

Send email



Show

Send email

Close

[참고-Programmatic access]

★ Programmatic access 를 선택, User를 만들면 access key ID and secret access key를 받게 됩니다.이는 AWS API, CLI, SDK 또는 다른 Development tool을 통해 AWS 서비스에 Access 하기 위해 필요합니다.

 Services ▾ Resource Groups ▾ 

Dev @ 1282-6513-8457 ▾ Global ▾ Supp

Add user

1

2

3

4


DetailsPermissionsReviewComplete

✓

Success

You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: <https://128265138457.signin.aws.amazon.com/console>

 Download .csv

	User	Access key ID	Secret access key
▶	✓ API	AKIAJTD3H663SZC7HKIA	***** Show

ID와 Secret key를 꼭 기억하세요.

IAM 유저 로그인 하기



IAM Dashboard 에서 Users sign-in link를 확인할 수 있습니다. Link를 copy해서 주소 창에 붙여주세요.

Services

Resource Groups

areum jo

Global

Search IAM

Dashboard

Groups

Users

Roles

Policies

Identity providers

Account settings

Credential report

Encryption keys

Welcome to Identity and Access Management

IAM users sign-in link:

<https://128265138457.signin.aws.amazon.com/console>

Customize | Copy Link

IAM Resources

Users: 3

Groups: 1

Customer Managed Policies: 0

Roles: 0

Identity Providers: 0

Security Status

2 out of 5 complete.

✓

Delete your root access keys

▼

⚠

Activate MFA on your root account

▼

✓

Create individual IAM users

▼

⚠

Use groups to assign permissions

▼

⚠

Apply an IAM password policy

▼

Feature Spotlight

Introduction to AWS IAM

0:00 / 2:16

Additional Information

[IAM best practices](#)

[IAM documentation](#)

[Web Identity Federation Playground](#)

[Policy Simulator](#)

[Videos, IAM release history and additional resources](#)

Link는 customize 가능

IAM 유저 로그인하기

- 1 앞서 생성한 사용자 이름과 암호(비밀번호)를 입력하여 User 자격으로 로그인 해주세요.

계정:

사용자 이름:

암호:

로그인

[루트 계정 자격 증명으로 로그인](#)


프로덕션 Docker 워크로드를 실행하십시오


**Amazon EC2
Container
Service**




지금 사용해 보기 »


IAM Group 생성하기




Services ▾ Resource Groups ▾ 


 Dev @ 1282-6513-8457 ▾ Seoul ▾


AWS services


Find a service by name or feature (for example, EC2, S3 or VM, storage). 


▾ Recently visited services

 IAM

 Support

 Trusted Advisor


 Billing

 EC2


> All services

Build a solution


Get started with simple wizards and automated workflows.



Launch a virtual machine
With EC2 or Lightsail
~1-2 minutes




Build a web app
With Elastic Beanstalk
~6 minutes




Host a static website
With S3, CloudFront, Route 53
~5 minutes

Helpful tips




Manage your costs
Get real-time billing alerts based on your cost and usage budgets. [Start now](#)



Create an organization
Use AWS Organizations for policy-based management of multiple AWS accounts. [Start now](#)

Explore AWS

Apache MXNet
Get started with the most scalable framework for deep learning in the cloud. [Learn more.](#) 

IAM Group 생성하기

- 1 “Groups” 탭을 선택하고, 화면에서 “Create New Group” 버튼을 클릭 합니다.
- 2 가장 먼저, Group Name 을 설정하고 Next Step 을 클릭하면 다음 단계로 넘어 갑니다.

The screenshot displays the AWS IAM console interface. At the top, the navigation bar includes 'Services', 'Resource Groups', and a search icon. The left sidebar shows the 'Groups' tab selected. The main content area features a 'Create New Group' button, which is highlighted with a red rectangle. Below this button is a table with columns for 'Group Name', 'Users', 'Inline Policy', and 'Creation Time'. The table is currently empty, showing 'Showing 0 results' and 'No records found.'.

Below the main content area, the 'Create New Group Wizard' is visible. It consists of three steps: 'Step 1 : Group Name', 'Step 2 : Attach Policy', and 'Step 3 : Review'. The 'Set Group Name' step is active, showing a text input field for 'Group Name' with the value 'Developer'. Below the input field, there is a hint: 'Example: Developers or ProjectAlpha' and 'Maximum 128 characters'. At the bottom right of the wizard, there are 'Cancel' and 'Next Step' buttons, with the 'Next Step' button highlighted by a red rectangle.

IAM Group 생성하기

- 1 다음 단계는 신규로 생성할 그룹에 정책(Policy)을 부여하는 단계 입니다. (권한 설정)
- 2 실습에서는 Admin 정책을 선택, 다음 단계로 넘어 갑니다.

Create New Group Wizard











Step 1 : Group Name

Step 2 : Attach Policy

Step 3 : Review

Attach Policy

Select one or more policies to attach. Each group can have up to 10 policies attached.

Filter: Job function <input type="text" value="Filter"/>		Showing 10 results		
		Attached Entities ▾	Creation Time ↕	Edited Time ↕
<input checked="" type="checkbox"/>	 Job function	2	2015-02-07 03:39 UTC+0900	2015-02-07 03:39 UTC+0900
<input type="checkbox"/>	 AWS Managed	0	2016-11-11 02:33 UTC+0900	2016-11-11 02:33 UTC+0900
<input type="checkbox"/>	 Customer Managed	0	2016-11-11 02:25 UTC+0900	2016-11-11 02:25 UTC+0900
<input type="checkbox"/>	 DatabaseAdministrator	0	2016-11-11 02:28 UTC+0900	2016-11-11 02:28 UTC+0900
<input type="checkbox"/>	 DataScientist	0	2016-11-11 02:31 UTC+0900	2017-03-21 03:44 UTC+0900
<input type="checkbox"/>	 NetworkAdministrator	0	2015-02-07 03:39 UTC+0900	2016-12-07 03:11 UTC+0900
<input type="checkbox"/>	 PowerUserAccess	0	2015-02-07 03:41 UTC+0900	2017-07-13 05:16 UTC+0900
<input type="checkbox"/>	 SecurityAudit	0	2016-11-11 02:21 UTC+0900	2017-05-18 08:11 UTC+0900
<input type="checkbox"/>	 SystemAdministrator	0	2016-11-11 02:23 UTC+0900	2017-03-25 02:45 UTC+0900
<input type="checkbox"/>	 ViewOnlyAccess	0	2016-11-11 02:20 UTC+0900	2017-06-27 07:35 UTC+0900

Filter: Job function



Policy Name ↕




AdministratorAccess

IAM Group 생성하기

1 Review 단계에서 앞서 입력한 정보를 확인하고, "Create Group"을 클릭 합니다.

 Services ▾ Resource Groups ▾ 

 Dev @ 1282-6513-8457 ▾ Global ▾ Support ▾

Create New Group Wizard

[Step 1 : Group Name](#)

[Step 2 : Attach Policy](#)

Step 3 : Review

Review



Review the following information, then click **Create Group** to proceed.


Group Name	Developer	Edit Group Name
Policies	arn:aws:iam::aws:policy/AdministratorAccess	Edit Policies

[Cancel](#) [Previous](#) [Create Group](#)

IAM Group 생성하기

 새롭게 생성된 그룹을 확인하고, 클릭해 주세요. 해당 그룹에 User를 추가해 보겠습니다.

 Services ▾ Resource Groups ▾ 

 Dev @ 1282-6513-8457 ▾ Global ▾ Support ▾

Search IAM

Dashboard

Groups

Users

Roles

Policies

Identity providers

Account settings

Credential report

Encryption keys

Create New Group

Group Actions ▾

Filter

Showing 1 results

<input type="checkbox"/>	Group Name ▾	Users	Inline Policy	Creation Time ▾
<input type="checkbox"/>	Developer	0		2017-09-10 20:10 UTC+0900

IAM Group 생성하기

Services

Resource Groups

Dev @ 1282-6513-8457GlobalSupport

Search IAM

Dashboard

Groups

Users

Roles

Policies

Identity providers

Account settings

Credential report

Encryption keys

IAM > Groups > Developer

Summary

Group ARN:arn:aws:iam::128265138457:group/Developer

Users (in this group):0

Path:/

Creation Time:2017-09-10 20:10 UTC+0900

Users

Permissions

Access Advisor

This group does not contain any users.

Add Users to Group

Add Users to Group

Select users to add to the group Developer



Filter							Showing 2 results
<input checked="" type="checkbox"/>	User Name	Groups	Password	Password Last Used	Access Keys	Creation Time	
<input checked="" type="checkbox"/>	Dev	0	✓	2017-09-10 20:05 UTC+0900	None	2017-09-10 20:00 UTC+...	
<input type="checkbox"/>	Ops	0	✓	Never	None	2017-09-10 20:00 UTC+...	

Cancel

Add Users

IAM Group 생성하기

 추가된 User 목록을 확인해 보세요. 해당 User를 Group에서 Remove 하는 것도 가능합니다.

 Services ▾ Resource Groups ▾ 

Dev @ 1282-6513-8457 ▾ Global ▾ Support ▾

Search IAM

Dashboard

Groups

Users

Roles

Policies

Identity providers

Account settings

Credential report

Encryption keys

IAM > Groups > Developer

Summary

Group ARN:

arn:aws:iam::128265138457:group/Developer

Users (in this group):

1

Path:

/

Creation Time:

2017-09-10 20:10 UTC+0900

Users


Permissions

Access Advisor

This view shows all users in this group: 1 User


Remove Users from Group

Add Users to Group

User	Actions
 Dev	Remove User from Group

IAM Group 생성하기

1 "Access Advisor" 항목에서 해당 그룹에 속한 User가 최근에 어떤 서비스에 접속했는지 확인할 수 있습니다.



Services

Resource Groups

Dev @ 1282-6513-8457GlobalSupport

Search IAM

Dashboard

Groups

Users

Roles

Policies

Identity providers

Account settings

Credential report

Encryption keys

IAM > Groups > Developer

Summary

Group ARN:arn:aws:iam::128265138457:group/Developer

Users (in this group):1

Path:/

Creation Time:2017-09-10 20:10 UTC+0900

Users

Permissions

Access Advisor

Access advisor shows the service permissions granted to this group and when those services were last accessed. You can use this information to revise your policies. [Learn more](#)

Note: recent activity usually appears within 4 hours. Access Advisor tracking began on Oct 1, 2015 [Learn more](#)

Filter: No filterSearch

Showing 73 results

Service Name	Policies Granting Permissions	Access by Members	Last Accessed
AWS Billing	AdministratorAccess	Dev	Today
AWS Identity and Access Management	AdministratorAccess	Dev	Today
AWS Trusted Advisor	AdministratorAccess	Dev	Today
AWS Support	AdministratorAccess	Dev	Today

MFA 더 안전한 로그인

MFA 더 안전한 로그인

MFA (Multi-Factor Authentication)

실물 디바이스 또는 소프트웨어 토큰(Mobile App)을 통한 멀티팩터 인증을 지원합니다.
AWS에서는 멀티팩터 인증을 통해 사용자 계정을 더욱 안전하게 관리하시도록 권장합니다.

MFA 사용은 루트 계정에서 활성화 할 수 있습니다.



[참고 - MFA 지원 Mobile Application]

 사용하고 계시는 핸드폰 OS에 따라 리스트를 참고하시어, MFA용 모바일 앱을 다운받으실 수 있습니다.

Virtual MFA Applications

Applications for your smartphone can be installed from the application store that is specific to your phone type. The following table lists some applications for different smartphone types.

Android	Google Authenticator; Authy 2-Factor Authentication
iPhone	Google Authenticator; Authy 2-Factor Authentication
Windows Phone	Authenticator
Blackberry	Google Authenticator

<https://aws.amazon.com/iam/details/mfa/>

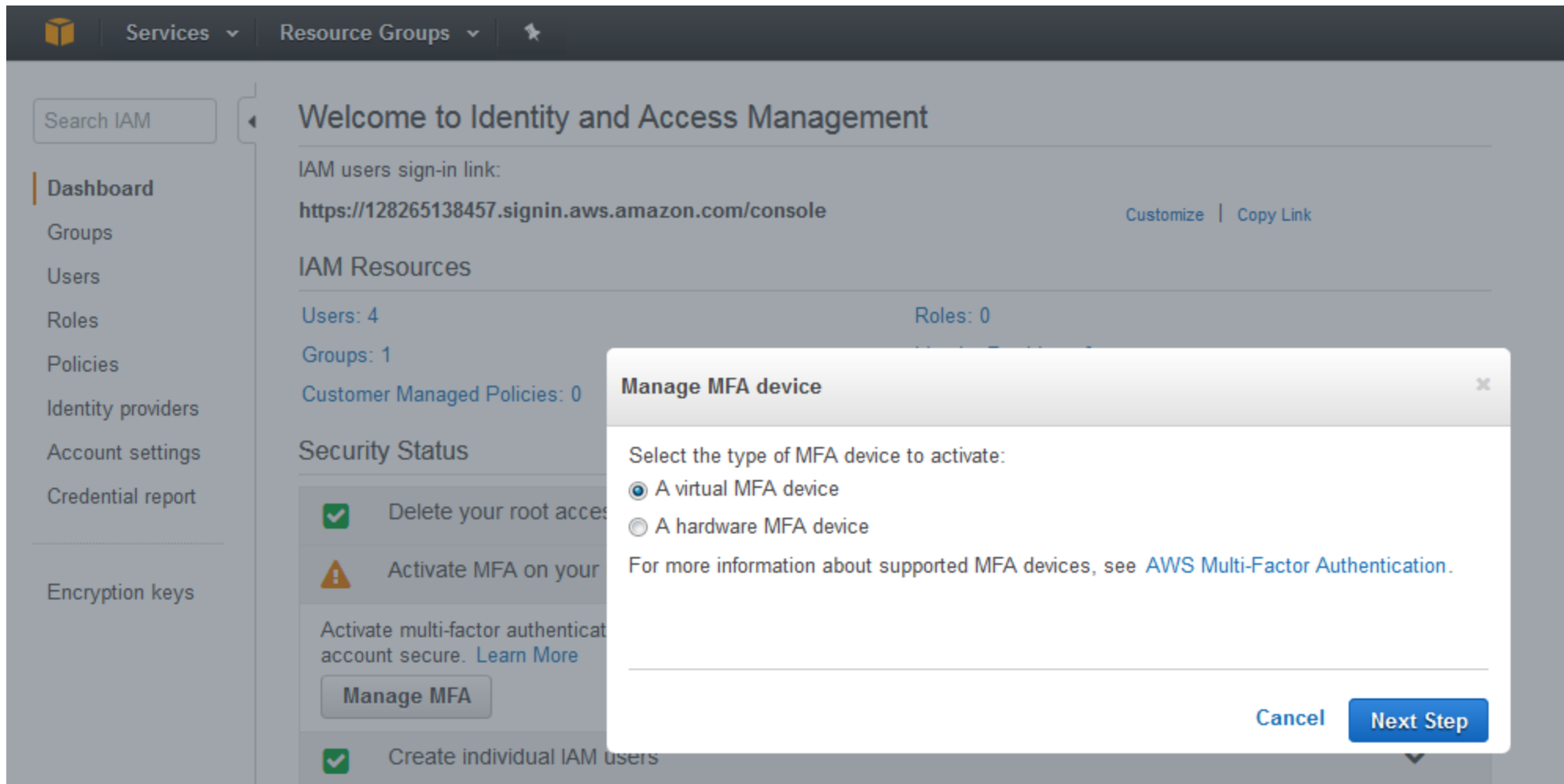
MFA 더 안전한 로그인

1 IAM Dashboard 에서 Activate MFA on your root account → Manage MFA 를 클릭합니다.

The screenshot displays the AWS IAM console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and a star icon. The left sidebar contains a search bar labeled 'Search IAM' and a list of navigation items: Dashboard, Groups, Users, Roles, Policies, Identity providers, Account settings, Credential report, and Encryption keys. The main content area is titled 'Welcome to Identity and Access Management' and includes a sign-in link, IAM Resources summary (Users: 4, Roles: 0, Groups: 1, Identity Providers: 0, Customer Managed Policies: 0), and a Security Status section. The Security Status section shows a progress bar at '3 out of 5 complete'. A red box highlights the 'Activate MFA on your root account' warning item, which is marked with a red circle '1'. A sub-popover for this item is also highlighted with a red box, showing a red circle '2' next to the 'Manage MFA' button. The popover text reads: 'Activate multi-factor authentication (MFA) on your AWS root account to add another layer of protection to help keep your account secure. [Learn More](#)'.

MFA 더 안전한 로그인

1 Virtual MFA 방식을 선택, 모바일 앱을 사용한 인증 방법을 실습해 보세요.



The screenshot displays the AWS IAM console interface. On the left, a sidebar contains navigation links: Dashboard, Groups, Users, Roles, Policies, Identity providers, Account settings, Credential report, and Encryption keys. The main content area is titled 'Welcome to Identity and Access Management' and includes a search bar, a sign-in link, and statistics for IAM resources (Users: 4, Roles: 0, Groups: 1, Customer Managed Policies: 0). A 'Security Status' section shows a warning icon and the text 'Activate MFA on your account'. A 'Manage MFA' button is visible in this section. Overlaid on the console is a 'Manage MFA device' dialog box. The dialog prompts the user to 'Select the type of MFA device to activate:' with two radio button options: 'A virtual MFA device' (which is selected) and 'A hardware MFA device'. Below the options, a link points to 'AWS Multi-Factor Authentication' for more information. At the bottom of the dialog are 'Cancel' and 'Next Step' buttons.

MFA 더 안전한 로그인

1 다운받은 어플리케이션으로 바코드를 스캔하면 1회용 코드가 발급됩니다. 2개의 코드를 입력하면 인증 완료!

The screenshot shows the AWS IAM console interface. A modal window titled "Manage MFA device" is open in the center. The modal contains the following text: "If your virtual MFA application supports scanning QR codes, scan the following QR code with your smartphone's camera." Below this text is a large QR code. Under the QR code, there is a link "Show secret key for manual configuration" and a paragraph: "After the application is configured, enter two consecutive authentication codes in the boxes below and choose Activate virtual MFA." Below this paragraph are two input fields labeled "Authentication code 1" and "Authentication code 2". At the bottom of the modal are three buttons: "Cancel", "Previous", and "Activate virtual MFA". The background of the console shows the "Welcome to IAM" page with a sidebar on the left containing links like "Dashboard", "Groups", "Users", "Roles", "Policies", "Identity providers", "Account settings", "Credential report", and "Encryption keys". The main content area shows "IAM users sign-in link", "IAM Resources" (Users: 4, Groups: 1, Customer Managed Policies), and "Security Status" with several status indicators (green checkmarks and yellow warning triangles) for actions like "Delete your account", "Activate MFA", "Create individual users", "Use groups to manage users", and "Apply an IAM policy". On the right side, there is a "Feature Spotlight" section with a video player titled "Introduction to AWS IAM" and an "Additional Information" section with links to "IAM best practices", "IAM documentation", "Web Identity Federation Playground", "Policy Simulator", and "Videos, IAM release history and additional resources".

AWS 초보자를 위한 TIP

서포트플랜/ 케이스 생성하기/ Free tier/ 더 알아보기

AWS 서포트 플랜 결정하기

지원 내용	Basic	Developer	Business	Enterprise
고객 서비스 및 커뮤니티	고객 서비스, 설명서, 백서 및 지원 포럼에 연중무휴 24시간 액세스	고객 서비스, 설명서, 백서 및 지원 포럼에 연중무휴 24시간 액세스	고객 서비스, 설명서, 백서 및 지원 포럼에 연중무휴 24시간 액세스	고객 서비스, 설명서, 백서 및 지원 포럼에 연중무휴 24시간 액세스
지원 영역	· Account and Billing	· Account and Billing · Technical Support	· Account and Billing · Technical Support	· Account and Billing · Technical Support · 전담 기술 지원 담당자 및 컨시어지
기술 지원		현지 업무 시간 내 지원 어소시에이트에게 이메일로 액세스	연중무휴 24시간 지원 엔지니어에게 이메일, 채팅 및 전화로 액세스	연중무휴 24시간 지원 엔지니어에게 이메일, 채팅 및 전화로 액세스
사례 심각도/응답 시간		일반 지침: < 24시간 (현지 업무 시간 기준) 시스템 손상: < 12시간 (현지 업무 시간 기준)	일반 지침: < 24시간 시스템 손상: < 12시간 프로덕션 시스템 손상: < 4시간 프로덕션 시스템 중단: < 1시간	일반 지침: < 24시간 시스템 손상: < 12시간 프로덕션 시스템 손상: < 4시간 프로덕션 시스템 중단: < 1시간 비즈니스 크리티컬 시스템 중단: < 15분
요금	무료	유료	유료	유료

<https://aws.amazon.com/ko/premiumsupport/compare-plans/>

AWS 서포트 플랜 활용: Support case 생성하기

결제/계정 관련 문의 또는 서비스 사용에 대한 기술 질의가 필요할 때, 서포트 케이스를 올려주세요.

1 Management Console 우측 상단에 있는 Support 버튼을 클릭, Support Center 를 선택합니다.

The screenshot shows the AWS Management Console interface. At the top, there is a dark navigation bar with the AWS logo, 'Services', 'Resource Groups', and a search icon. On the right side of this bar, there is a 'Support' button with a red circle and the number '1' next to it, indicating the step. Below the navigation bar, the main content area is divided into two sections. The left section is titled 'AWS services' and contains a search bar and a list of 'Recently visited services' including Support, EC2, Simple Email Service, Simple Notification Service, and Server Migration Service. The right section is titled 'Helpful tips' and contains two cards: 'Manage your costs' and 'Create an organization'. A dropdown menu is open from the 'Support' button, showing options: 'Support Center', 'Forums', 'Documentation', 'Training', and 'Other Resources'.

Services ▾ Resource Groups ▾ ☆

Welcome to AWS ▾ S 1 Support ▴

Support Center

Forums

Documentation

Training

Other Resources

AWS services

Find a service by name or feature (for example, EC2, S3 or VM, storage).

▾ Recently visited services

Support EC2 Simple Email Service

Simple Notification Service Server Migration Service

> All services

Helpful tips

Manage your costs
Get real-time billing alerts based on usage and usage budgets. [Start now](#)

Create an organization
Use AWS Organizations for policy-based management of multiple AWS accounts. [Start now](#)

AWS 서포트 플랜 활용: Support case 생성하기

결제/계정 관련 문의 또는 서비스
사용에 대한 기술 질의가 필요할 때,
서포트 케이스를 올려주세요.

- 1 AWS Management Console
우측 상단 Support 버튼을 클릭,
Support Center 를 선택합니다.
- 2 Regarding 항목에서
문의하려는 항목을 선택하고
아래 내용을 작성 합니다.

Support Center

Basic Support Plan [Change](#)

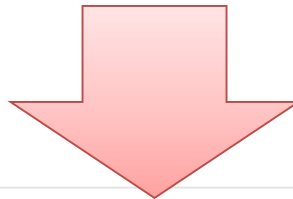
Welcome to the AWS Support Center. You can see the status of any recent support cases, explore the listed resources, check the health of AWS services, or open a new support case.

Recent Cases [See all cases](#)

1

Create case

Created	Subject	Case ID	Type	Severity	Status
---------	---------	---------	------	----------	--------



Create Case

Basic Support Plan [Change](#)

Name

Account188997731176

2

Regarding*

☒ Account and Billing Support

☐ Service Limit Increase

☐ Technical Support
Unavailable under the Basic Support Plan

Service*

Select or search

Category*

Select or search

Subject*

Description*

AWS 서포트 플랜 활용: Support case 생성하기

**Support Plan 은 콘솔에서 언제든지
변경이 가능합니다.**

비즈니스 용도로 계정을 사용하는
경우

개발자 (Developer) 이상으로
Support Plan을 사용하시는 것을
권장 드리고 있습니다.

Support Center

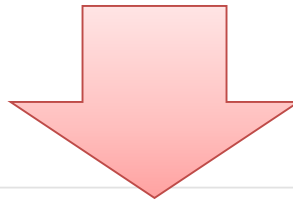
Basic Support Plan [Change](#)

Welcome to the AWS Support Center. You can see the status of any recent support cases, explore the listed resources, check the health of AWS services, or open a new support case.

Recent Cases [See all cases](#)

Create case

Created	Subject	Case ID	Type	Severity	Status
---------	---------	---------	------	----------	--------



Create Case

Basic Support Plan [Change](#)

Name

Account188997731176

Regarding*

☒ Account and Billing Support

☐ Service Limit Increase

☐ Technical Support
Unavailable under the Basic Support Plan

Service*

Select or search

Category*

Select or search

Subject*

Description*

AWS Free Tier 이용하기

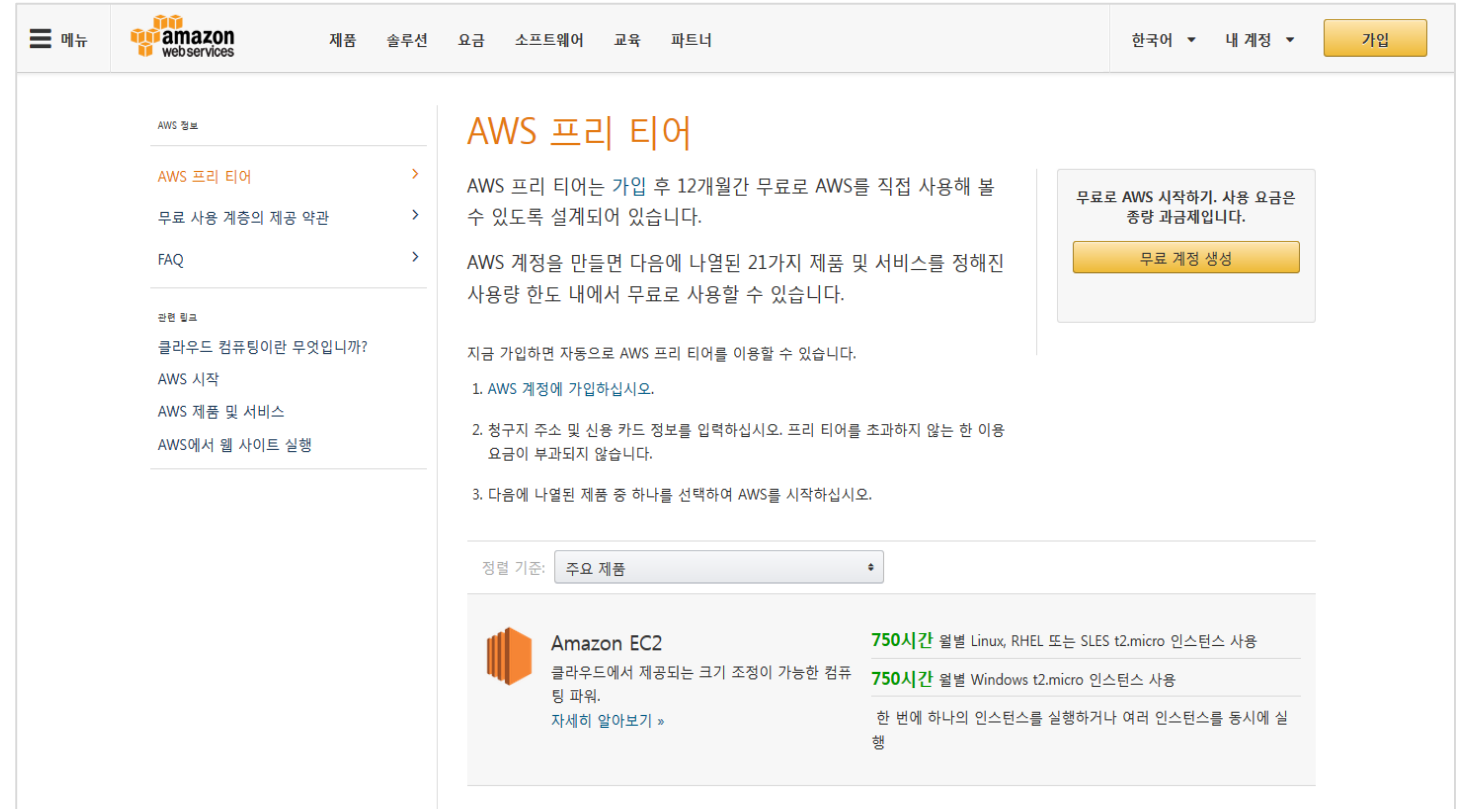
AWS 계정 생성 후 1년 간, 주요 서비스에 대해 Free Tier를 적용 받아 무료로 테스트를 해보실 수 있습니다.

Free Tier가 적용되는 서비스, 사용량을 참고해 주세요. 이 외 서비스, 초과 사용량에 대해서는 과금이 발생합니다.

Budget Limit

- EC2 **t2.micro 750시간**
- S3 **5GB 저장용량**
- RDS **micro 750시간**
- ElastiCache **micro 750시간**
- CloudFront **50GB 전송량 등**

<http://aws.amazon.com/free/>



The screenshot shows the AWS Free Tier page. The header includes the AWS logo, navigation links (메뉴, 제품, 솔루션, 요금, 소프트웨어, 교육, 파트너), and language/account options (한국어, 내 계정, 가입). The main content area is titled 'AWS 프리 티어' (AWS Free Tier). It explains that after signing up, users can use AWS services for free for 12 months. It lists the services included in the Free Tier: Amazon EC2, Amazon S3, Amazon RDS, Amazon ElastiCache, Amazon CloudFront, and Amazon IAM. A sidebar on the left contains links for 'AWS 프리 티어', '무료 사용 계층의 제공 약관', and 'FAQ'. A right sidebar contains a button '무료 계정 생성' (Create Free Account) and a note: '무료로 AWS 시작하기. 사용 요금은 종량 과금제입니다.' (Start AWS for free. Usage is pay-as-you-go). The main content area also lists steps to get started: 1. AWS 계정에 가입하십시오. (Sign up for an AWS account.), 2. 청구지 주소 및 신용 카드 정보를 입력하십시오. 프리 티어를 초과하지 않는 한 이용 요금이 부과되지 않습니다. (Enter billing address and credit card information. Usage fees will not be charged as long as you do not exceed the Free Tier.), 3. 다음에 나열된 제품 중 하나를 선택하여 AWS를 시작하십시오. (Select one of the products listed below to start using AWS.). Below this, there is a section for '정렬 기준: 주요 제품' (Sort by: Main Products) showing 'Amazon EC2' with details: '750시간 월별 Linux, RHEL 또는 SLES t2.micro 인스턴스 사용' (750 hours monthly Linux, RHEL or SLES t2.micro instance usage) and '750시간 월별 Windows t2.micro 인스턴스 사용' (750 hours monthly Windows t2.micro instance usage). It also includes a note: '한 번에 하나의 인스턴스를 실행하거나 여러 인스턴스를 동시에 실행' (Run one instance at a time or multiple instances simultaneously).

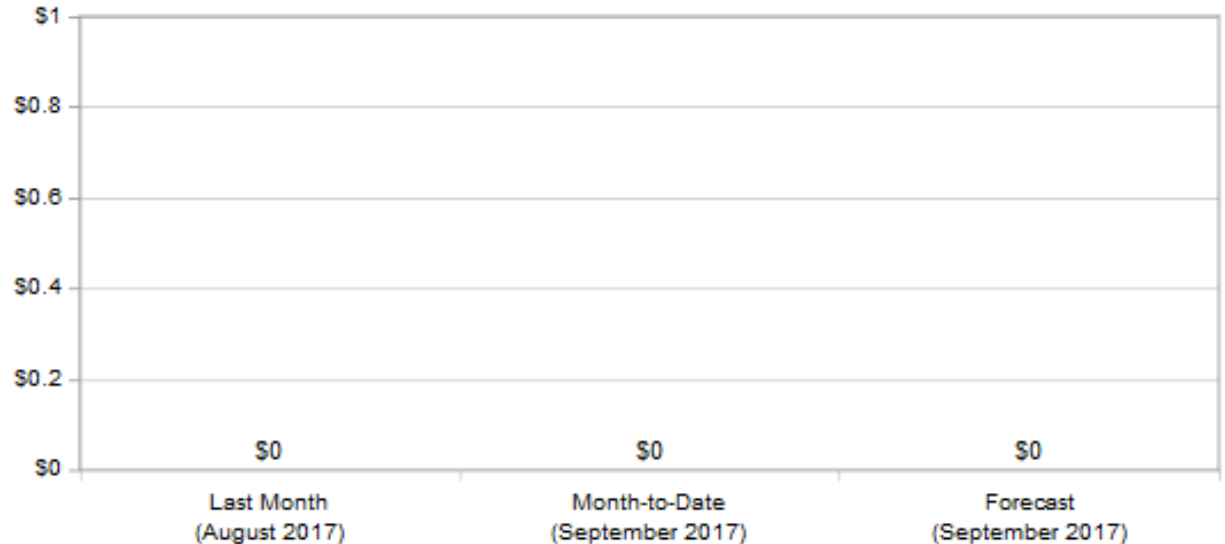
AWS Free Tier 이용하기 - 사용량 확인하는 법 (I)

Free Tier 적용 기간동안 (1년)
Dashboard를 통해 **사용량을**
확인할 수 있습니다.

- 1 AWS Management Console 좌측 메뉴 중 "Dashboard"를 선택합니다.
- 2 예상 비용과 Budget limit 중 몇%를 사용했는지 실시간으로 확인하실 수 있습니다.

Current month-to-date balance for September 2017

\$0.00



► Important Information about these Costs

☒ Include Subscription Charges

Top Free Tier Services by Usage

[View all](#)

Service	Month-to-date usage/Free Tier limit	Forecasted month-end usage/Free Tier limit
S3 - Storage	1.08% (0.05/5 GB-Mo)	4.05% (0.20/5 GB-Mo)
S3 - Puts	0.75% (15.00/2,000 Requests)	2.81% (56.25/2,000 Requests)
S3 - Gets	0.35% (70.00/20,000 Requests)	1.31% (262.50/20,000 Requests)

AWS Free Tier 이용하기 - 사용량 확인하는 법 (2)

AWS Console에서 **Billing Alert**를
설정하여 특정 사용량 초과 시,
알림 이메일을 받으실 수 있습니다.

- 1 Management Console 좌측 메뉴
중 "Preferences"를 선택합니다.
- 2 "Receive Billing Alerts" 박스를
체크합니다.
- 3 "Save preferences"를 클릭하여
저장합니다.

Resource Groups ▾

Dashboard
Bills
Cost Explorer
Budgets
Reports
Cost Allocation Tags
Payment Methods
Payment History
Consolidated Billing
Preferences
Credits
Tax Settings
DevPay

Preferences

☐ Receive PDF Invoice By Email
Turn on this feature to receive a PDF version of your invoice by email. Invoices :

☒ Receive Billing Alerts
Turn on this feature to monitor your AWS usage charges and recurring fees and receive email notifications when your charges reach a specified threshold. Once

☐ Receive Billing Reports
Turn on this feature to receive ongoing reports of your AWS charges once or on consolidated billing customers, AWS generates reports only for paying account

Save to S3 Bucket:

AWS Free Tier 이용하기 - 사용량 확인하는 법 (2)

AWS Console에서 **Billing Alert**를
설정하여 특정 사용량 초과 시,
알림 이메일을 받으실 수 있습니다.

- 4 Management Console 좌측 메뉴 중
"Budgets"를 선택한 후,
"Create budget"을 클릭합니다.
- 5 Budget Type은 "Cost"로 설정하고
Name은 임의로 설정합니다.
- 6 Budgeted Amount에, 초과 시 알림을
원하는 금액을 기입합니다.
- 7 Refine your budget은 세부적인
트래킹이 필요한 경우 체크합니다.

The screenshot shows the AWS Budgets console. On the left is a navigation menu with links: Dashboard, Bills, Cost Explorer, Budgets (highlighted with an orange checkmark), Reports, Cost Allocation Tags, and Payment Methods. The main header is 'AWS Budgets' with a sub-header 'AWS Budgets lets you quickly create custom budgets that will automatically alert you when : set.' Below this is a blue 'Create budget' button with an orange checkmark. The form is divided into two sections: '1 Budget details' and '2 Refine your budget'. In the 'Budget details' section, 'Budget Type' has radio buttons for 'Cost' (selected), 'Usage', and 'RI Utilization'. The 'Name*' field contains 'Free Tier Alarm'. The 'Period' dropdown is set to 'Monthly'. The 'Start date' dropdown is set to '09/01/17'. The 'End date' dropdown is set to '-'. The 'Budgeted Amount*' field contains '\$1.00'. In the 'Refine your budget' section, there is a checkbox 'Include costs related to' followed by a list of checkboxes: 'Service', 'Linked Account', 'Tag', 'Purchase Option', 'Availability Zone', 'API Operation', 'Usage Type Group', 'Usage Type', and 'Billing Entity'. All these checkboxes are currently unchecked.

Dashboard
Bills
Cost Explorer
Budgets ✓
Reports
Cost Allocation Tags
Payment Methods

AWS Budgets

AWS Budgets lets you quickly create custom budgets that will automatically alert you when : set.

Create budget ✓

1 Budget details

Budget Type
☒ Cost
☐ Usage
☐ RI Utilization

Name* Free Tier Alarm

Period Monthly ▼

Start date 09/01/17 ▼

End date - ▼

Budgeted Amount* \$1.00

2 Refine your budget

Include costs related to

- ☐ Service
- ☐ Linked Account
- ☐ Tag
- ☐ Purchase Option
- ☐ Availability Zone
- ☐ API Operation
- ☐ Usage Type Group
- ☐ Usage Type
- ☐ Billing Entity

AWS Free Tier 이용하기 - 사용량 확인하는 법 (2)

AWS Console에서 **Billing Alert**를
설정하여 특정 사용량 초과 시,
알림 이메일을 받으실 수 있습니다.

- 8 Notifications 에서 설정한
Budget의 몇 %에 도달했을 때
알람을 받을지 설정합니다.
- 9 Email contacts에 알람을 받을
이메일 주소 기입 후,
Create 버튼을 클릭하여
저장합니다.

※ Alert는 복수로 설정할 수 있고, 수정이나 삭제도 가능합니다.

3 Notifications (optional)

You can create a billing alarm to receive e-mail alerts when your current or forecasted AWS charges meet the threshold you choose. Must provide at least one email contact or SNS topic ARN in order to receive notification.

Notify me when costs are % of budgeted amount

Email contacts

SNS topic ARN

Verify

[SNS topic policy statement](#)

+ Add new notification

*Required

Cancel

Create

What's new: You can now monitor your **Reserved Instance (RI) utilization** by receiving alerts via AWS Budgets.

AWS Budgets

Create budget

Copy

Edit

Delete

Download CSV



Filter by budget name

	Budget type	Budget name	Current	Forecasted	Budgeted	Current vs. budget	Forecasted vs. budget
<input type="checkbox"/>	Cost	Free Tier Alarm	\$0.00	Pending	\$1.00	0%	--

경청해 주셔서 감사합니다.

AWS 상담 신청하기

| AWS 담당자와 상의를 원하는 경우

- 설문지에서 연락 여부 질문에 “예”라고 응답

3. AWS의 담당 팀이 귀하가 진행 혹은 계획 중인 프로젝트의 아키텍처 구성 및 비용 효율화에 대해 논의하기 위해 연락을 드려도 되겠습니까?


예 ☒

아니요 ☐

| 세미나 이후 도움이 필요한 경우

- AWS 홈페이지의 Contact us를 통해 문의하시면 가장 빠른 답변을 얻으실 수 있습니다.
- <https://aws.amazon.com/ko/contact-us/>

문의처

영업팀에 문의하고 싶습니다. 

기술 지원이 필요합니다.

규정 준수에 관한 질문이 있습니다.

현재 AWS 고객이며, 결제 또는 계정 지원이 필요합니다.

Amazon.com, Kindle 또는 Echo에 대한 지원이 필요합니다.

AWS 깊이 알아보기-세미나

AWS Seminar Series

세션 종류	대상	세션 내용
AWS 101 Beginner Sessions	<ul style="list-style-type: none">· 클라우드에 관심 있는 분· AWS를 아직 사용해 본 경험이 없는 분	<ul style="list-style-type: none">· 클라우드 컴퓨팅의 기본 개념 및 AWS 소개· AWS가 제공하는 서비스 및 솔루션의 특징점, 주요 적용 사례
AWS 101 Hands-on	<ul style="list-style-type: none">· 클라우드에 관심 있는 분· AWS를 아직 사용해 본 경험이 없는 분	<ul style="list-style-type: none">· AWS 계정 생성 및 IAM 소개· EC2/VPC/EBS 데모(환경 소개 포함) 및 실습
AWS 201 Introductory Sessions	<ul style="list-style-type: none">· AWS에 대해 기본 개념 정도만 알고 계신 분· AWS 클라우드 활용 경험이 있는 기존 고객	<ul style="list-style-type: none">· AWS 서비스나 기능에 대한 개요 중심· 참석자가 해당 토픽을 처음 접한다고 가정· 기본적인 기능, 역할, 이점 및 사례 제공
AWS 301 Advanced Sessions	<ul style="list-style-type: none">· AWS 클라우드 활용 경험이 풍부한 기존 고객· 해당 주제에 친숙한 고객	<ul style="list-style-type: none">· 해당 주제의 활용 사례와 고급 기법을 심도있게 전달· Deep dive와 Hands-On을 번갈아 진행

AWS 무료 정기 세미나 안내: <https://aws.amazon.com/ko/about-aws/events>

AWS 깊이 알아보기-참고 자료 모음

■ 교육 및 참고 자료 링크

- AWS 유료교육: <http://edu.supertrack.co.kr/>
- Facebook: <https://www.facebook.com/amazonwebervices.ko/>
- Youtube: <https://www.youtube.com/user/AWSKorea>
- Slideshare: <http://www.slideshare.net/awskorea>
- AWS 한국 블로그: <https://aws.amazon.com/ko/blogs/korea/>
- AWS 서비스 사용에 대한 AWS 문서: <https://aws.amazon.com/ko/documentation/>
- AWS 기술백서: <https://aws.amazon.com/ko/whitepapers/>