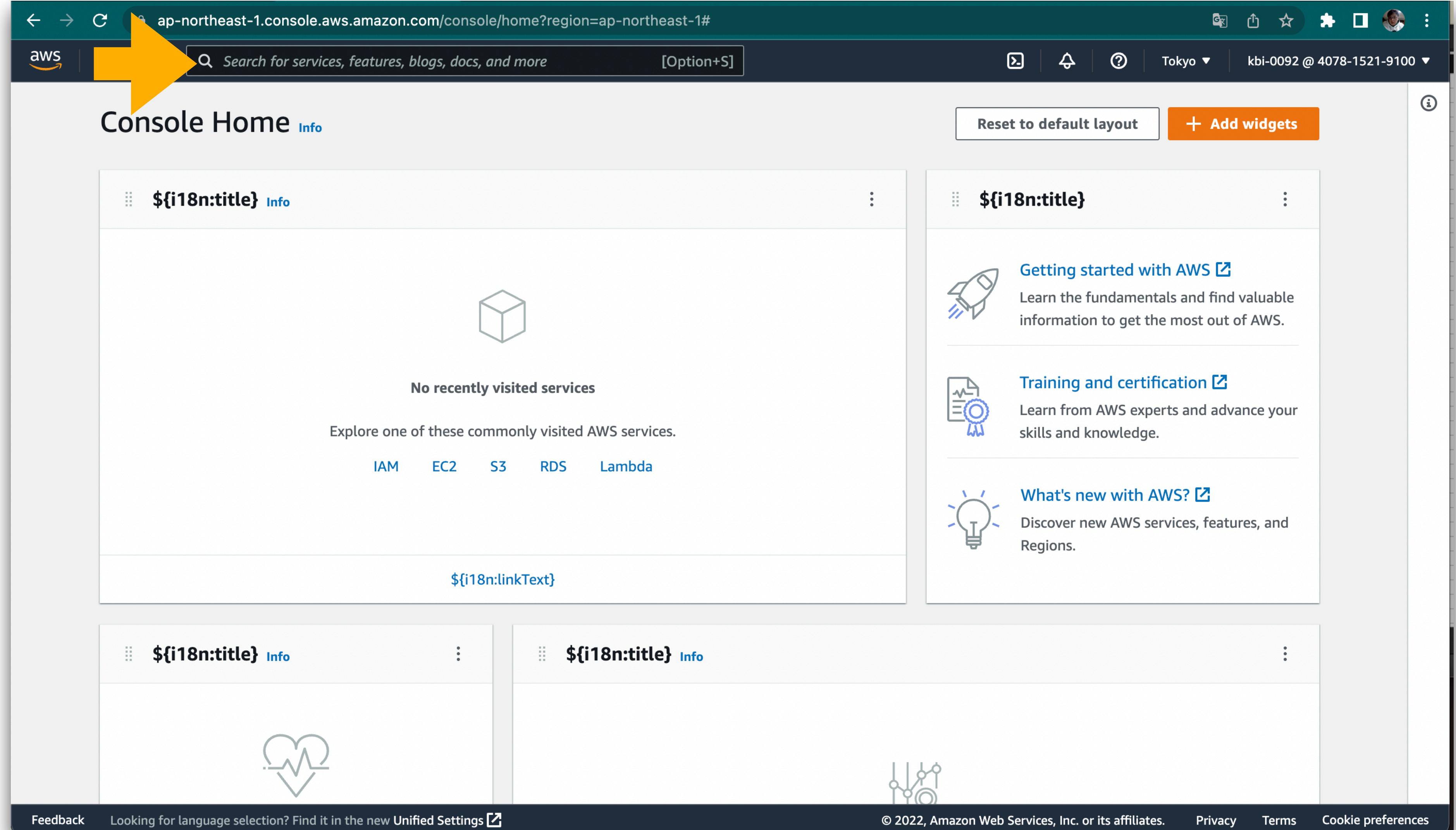


■ 클라우드 데이터 인프라 구축 과정

1일차: EC2 인스턴스 생성

2022.09.25

AWS Console



The screenshot shows the AWS Console Home page. At the top, there is a navigation bar with the URL `ap-northeast-1.console.aws.amazon.com/console/home?region=ap-northeast-1#`, a search bar, and various account and region settings. A large yellow arrow points to the AWS logo icon in the top-left corner of the header.

Console Home Info

Reset to default layout **+ Add widgets**

No recently visited services

Explore one of these commonly visited AWS services.

[IAM](#) [EC2](#) [S3](#) [RDS](#) [Lambda](#)

[\\${i18n:linkText}](#)

Getting started with AWS Get Started

Learn the fundamentals and find valuable information to get the most out of AWS.

Training and certification Get Certified

Learn from AWS experts and advance your skills and knowledge.

What's new with AWS? View News

Discover new AWS services, features, and Regions.

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EC2 메뉴

The screenshot shows the AWS CloudSearch interface with a search query of 'EC2'. A yellow arrow points from the search bar to the search results. Another yellow arrow points to the first result, 'EC2'.

Search results for 'EC2'

Services (8)

- \$11,100,000
- Features (46)
- Blogs (1,804)
- Documentation (131,762)
- Knowledge Articles (30)
- Tutorials (19)
- Events (10)
- Marketplace (1,576)

Services

EC2 ☆ Virtual Servers in the Cloud

A managed service to automate build, customize and deploy OS images

EC2 Image Builder ☆

Recommend optimal AWS Compute resources for your workloads

AWS Firewall Manager ☆

Central management of firewall rules

Features

Dashboard

EC2 feature

Limits

EC2 feature

+ Add widgets

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EC2 Console

EC2 인스턴스 생성

The screenshot shows the AWS EC2 console interface in the Asia Pacific (Tokyo) Region. The left sidebar contains navigation links for EC2 Dashboard, Instances, Images, and Elastic Block Store. The main area displays resource statistics and a 'Launch instance' wizard. A yellow arrow labeled '1' points to the 'Launch instance' button in the wizard, and another yellow arrow labeled '2' points to the 'Launch instance from template' link. The 'Service health' section indicates the service is operating normally. The top right corner shows account attributes and an 'Explore AWS' sidebar.

Resources

You are using the following Amazon EC2 resources in the Asia Pacific (Tokyo) Region:

| | | | |
|---------------------|---|-----------------|---|
| Instances (running) | 0 | Dedicated Hosts | 0 |
| Elastic IPs | 0 | Instances | 0 |
| Key pairs | 0 | Load balancers | 0 |
| Placement groups | 0 | Security groups | 1 |
| Snapshots | 0 | Volumes | 0 |

Account attributes

- Supported platforms
- Default VPC
- vpc-0bf01962f8c98bd1a
- Settings
- EBS encryption
- Zones
- EC2 Serial Console
- Default credit specification
- Console experiments

Explore AWS

Amazon GuardDuty Malware Protection
GuardDuty now provides agentless malware detection in Amazon EC2 & EC2 container workloads. [Learn more](#)

10 Things You Can Do Today to Reduce AWS Costs
Explore how to effectively manage your AWS costs without compromising on performance or

Launch instance

1 Launch instance
2 Launch instance from template

Migrate a server

Note: Your instances will launch in the Asia Pacific (Tokyo) Region.

Region: Asia Pacific (Tokyo)
Status: This service is operating normally

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EC2 인스턴스 생성

이름 설정

The screenshot shows the 'Launch an instance' wizard in the AWS Management Console. The current step is 'Name and tags'. A yellow arrow labeled '1' points to the 'Name' input field, which contains 'My First EC2'. To the right, there's a summary panel and a large orange arrow labeled '2' pointing to the 'Launch instance' button at the bottom right of the summary panel.

You've been opted into the new launch experience. You can return to the previous version, but next time you log in, you'll automatically be opted into the new experience. [Find out more](#) or [send us feedback](#). Starting October 1, 2022, we will begin decommissioning the previous version.

EC2 > Instances > Launch an instance

Launch an instance Info

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags Info

Name Add additional tags

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat S Browse more AMIs

Summary

Number of instances Info
1

Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI... [read more](#)
ami-078296f82eb463377

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

i Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million IOPS, 1 GB of snapshots, and 100 GB of

Cancel **Launch instance**

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EC2 인스턴스 생성

이미지 & CPU 선택

The screenshot shows the AWS EC2 Application and OS Images (Amazon Machine Image) page. The left sidebar shows navigation options like EC2 Dashboard, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main content area displays a search bar, a 'Quick Start' section with icons for Amazon Linux, macOS, Ubuntu, Windows, Red Hat, and SUSE, and a detailed view of the 'Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type'. The page includes a 'Description', 'Architecture' (set to 64-bit (x86)), 'AMI ID' (ami-078296f82eb463377), and a 'Verified provider' badge. A large orange arrow on the left points down through the sidebar items, with numbers 1, 2, 3, and 4 marking specific steps: 1. Instances, 2. Images, 3. Architecture selection, and 4. Final step.

1

2

3

4

New EC2 Experience
Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Tags

Limits

Instances

- Instances New
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances New
- Dedicated Hosts
- Capacity Reservations

Images

- AMIs New
- AMI Catalog

Elastic Block Store

- Volumes New
- Snapshots New
- Lifecycle Manager New

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE

Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type Free tier eligible

ami-078296f82eb463377 (64-bit (x86)) / ami-0e36df1d8a8733986 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Amazon Linux 2 Kernel 5.10 AMI 2.0.20220912.1 x86_64 HVM gp2

Architecture 64-bit (x86) AMI ID ami-078296f82eb463377 Verified provider

Instance type Info

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EC2 인스턴스 생성

Instance Type

The screenshot shows the AWS EC2 Instance Types page. On the left, a sidebar lists navigation options like EC2 Dashboard, Instances, Images, and Elastic Block Store. A large orange arrow labeled '1' points from the sidebar to the search bar at the top of the main content area. The main content area displays a list of instance types under the heading 'Instance type'. The 't2.micro' instance type is highlighted with a blue border and labeled 'Free tier eligible'. An orange arrow labeled '2' points downwards from the bottom right towards the 'Edit' button.

Instance type

- t2.medium
 - Family: t2 2 vCPU 4 GiB Memory
On-Demand Linux pricing: 0.0608 USD per Hour
On-Demand Windows pricing: 0.0788 USD per Hour
- t1.micro
 - Family: t1 1 vCPU 0.612 GiB Memory
On-Demand Linux pricing: 0.026 USD per Hour
On-Demand Windows pricing: 0.033 USD per Hour
- t2.nano
 - Family: t2 1 vCPU 0.5 GiB Memory
On-Demand Linux pricing: 0.0076 USD per Hour
On-Demand Windows pricing: 0.0099 USD per Hour
- t2.micro**
 - Family: t2 1 vCPU 1 GiB Memory On-Demand Linux pricing: 0.0152 USD per Hour
On-Demand Windows pricing: 0.0198 USD per Hour
- t2.small
 - Family: t2 1 vCPU 2 GiB Memory On-Demand Linux pricing: 0.0304 USD per Hour
On-Demand Windows pricing: 0.0396 USD per Hour
- t2.medium
 - Family: t2 2 vCPU 4 GiB Memory On-Demand Linux pricing: 0.0608 USD per Hour
On-Demand Windows pricing: 0.0788 USD per Hour
- t2.large
 - Family: t2 2 vCPU 8 GiB Memory On-Demand Linux pricing: 0.1216 USD per Hour
On-Demand Windows pricing: 0.1496 USD per Hour
- t2.xlarge
 - Family: t2 4 vCPU 16 GiB Memory
On-Demand Linux pricing: 0.2432 USD per Hour
On-Demand Windows pricing: 0.2842 USD per Hour

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

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EC2 인스턴스 생성

키페어 생성

The screenshot shows the AWS EC2 Instance Creation Wizard. The left sidebar lists navigation options like EC2 Dashboard, Global View, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main panel is titled 'Instance type' and shows 't2.medium' selected. Below it is the 'Key pair (login)' section, which is highlighted with a large orange arrow labeled '1'. A 'Select' button is shown next to a dropdown menu. To the right of the dropdown is a link 'Create new key pair'. The final section visible is 'Network settings'.

New EC2 Experience
Tell us what you think X

Services Search for services, features, blogs, docs, and more [Option+S]

AWS Tokyo kbi-0092 @ 4078-1521-9100

Instance type Info

Instance type: t2.medium

Family: t2 2 vCPU 4 GiB Memory

On-Demand Linux pricing: 0.0608 USD per Hour

On-Demand Windows pricing: 0.0788 USD per Hour

Compare instance types

Instances

- Instances New
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances New
- Dedicated Hosts
- Capacity Reservations

Images

- AMIs New
- AMI Catalog

Elastic Block Store

- Volumes New
- Snapshots New
- Lifecycle Manager New

Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required

Select 1 Create new key pair

Network settings Info

Network Info
vpc-0bf01962f8c98bd1a

Subnet Info
No preference (Default subnet in any availability zone)

Auto-assign public IP Info
Enable

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Feedback Looking for language selection? Find it in the new Unified Settings [i]

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EC2 인스턴스 생성

키페어 생성

The screenshot shows the AWS EC2 console interface for creating a key pair. A modal window titled "Create key pair" is open, overlaid on the main EC2 dashboard. The dashboard sidebar includes options like EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances, Images, and Elastic Block Store.

- Step 1:** Key pair name input field. A yellow arrow points to the text "kbi-0092".
- Step 2:** Key pair type selection. A yellow arrow points to the "RSA" radio button.
- Step 3:** Network settings section. A yellow arrow points to the "Network" link.
- Step 4:** "Create key pair" button. A large yellow arrow points to the button itself.

Create key pair

Key pairs allow you to connect to your instance securely.

Enter the name of the key pair below. When prompted, store the private key in a secure and accessible location on your computer. **You will need it later to connect to your instance.** [Learn more](#)

Key pair name

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

Key pair type

RSA RSA encrypted private and public key pair

ED25519 ED25519 encrypted private and public key pair (Not supported for Windows instances)

Private key file format

.pem For use with OpenSSH

.ppk For use with PuTTY

Create key pair

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EC2 인스턴스 생성

키페어 생성

The screenshot shows the AWS EC2 instance creation wizard. On the left, a sidebar lists navigation options: New EC2 Experience (selected), EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (selected), Instances (New), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances (New), Dedicated Hosts, Capacity Reservations, Images (AMIs, New, AMI Catalog), and Elastic Block Store (Volumes, New, Snapshots, New). The main content area is titled 'Instance type' and shows 't2.medium' selected. It provides details: Family: t2, 2 vCPU, 4 GiB Memory, On-Demand Linux pricing: 0.0608 USD per Hour, and On-Demand Windows pricing: 0.0788 USD per Hour. A 'Compare instance types' link is available. Below this is the 'Key pair (login)' section, which requires a key pair name ('kbi-0092') and a 'Create new key pair' button. The final section is 'Network settings', which includes a 'Network' dropdown set to 'vpc-0bf01962f8c98bd1a', a 'Subnet' dropdown set to 'No preference (Default subnet in any availability zone)', and an 'Auto-assign public IP' dropdown set to 'Enable'. A large orange arrow labeled '1' points to the 'Create new key pair' button. A second orange arrow labeled '2' points to the bottom right corner of the page.

EC2 인스턴스 생성

네트워크 설정

The screenshot shows the AWS EC2 Network settings configuration page. The left sidebar lists various EC2 management options like Dashboard, Global View, Events, Tags, Instances, Images, and Elastic Block Store. A large orange arrow labeled '1' points to the 'Create security group' button. Another orange arrow labeled '2' points to the 'Allow SSH traffic from Anywhere' setting. A third orange arrow labeled '3' points to a warning message about allowing all IP addresses.

Network settings

Network [Info](#)
vpc-0bf01962f8c98bd1a

Subnet [Info](#)
No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)
Enable

Firewall (security groups) [Info](#)
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group Select existing security group

We'll create a new security group called '**launch-wizard-1**' with the following rules:

Allow SSH traffic from Anywhere
Helps you connect to your instance
0.0.0.0/0

Allow HTTPS traffic from the internet
To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet
To set up an endpoint, for example when creating a web server

⚠️ Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.

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EC2 인스턴스 생성

스토리지 설정

The screenshot shows the 'Configure storage' step of the EC2 instance creation process. A large orange arrow points to the 'Root volume' configuration area, which includes a dropdown menu set to '1x 8 GiB gp2'. Below this, a tooltip indicates that free-tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. There is also a 'Add new volume' button and a section for 'File systems'. The 'Advanced' tab is visible at the top right. The left sidebar lists various EC2-related services like EC2 Dashboard, Instances, Images, and Elastic Block Store.

Configure storage

1x 8 GiB gp2 Root volume

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

0 x File systems

Advanced

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI... [read more](#)

Volumes: ami-078296f82eb463377

Snapshots: [Virtual server type \(instance type\)](#)

Lifecycle Manager: t2.medium

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EC2 인스턴스 생성

설정 요약

The screenshot shows the AWS EC2 Instance Creation Wizard, Step 1: Set Instance Details. The configuration is as follows:

- Number of instances:** 1
- Software Image (AMI):** Amazon Linux 2 Kernel 5.10 AMI... (ami-078296f82eb463377)
- Virtual server type (instance type):** t2.medium
- Firewall (security group):** New security group
- Storage (volumes):** 1 volume(s) - 8 GiB

A callout box highlights the **Free tier** information: "In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet."

At the bottom right, a large orange arrow points to the **Launch instance** button, which is highlighted with a blue border.

EC2 인스턴스 생성

The screenshot shows the AWS EC2 Instances Launch an instance page. A prominent green success message states: "Successfully initiated launch of instance (i-05251994f246247fe)". Below this, a "Launch log" link is visible. The left sidebar contains navigation links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (with sub-links for AMIs, AMI Catalog), Elastic Block Store (with sub-links for Volumes, Snapshots, Lifecycle Manager), and Network & Security (with sub-link for Security Groups). A top banner informs users about the new launch experience, with an "Opt out to the old experience" button. The bottom right corner features a large orange arrow pointing right with the number "1" and the text "View all instances".

aws | Services | Search for services, features, blogs, docs, and more [Option+S] | Tokyo | kbi-0092 @ 4078-1521-9100 | Opt out to the old experience X

You've been opted into the new launch experience. You can return to the previous version, but next time you log in, you'll automatically be opted into the new experience. [Find out more](#) or [send us feedback](#). Starting October 1, 2022, we will begin decommissioning the previous version.

EC2 Dashboard | EC2 Global View | Events | Tags | Limits | Instances | Instances New | Instance Types | Launch Templates | Spot Requests | Savings Plans | Reserved Instances New | Dedicated Hosts | Capacity Reservations | Images | AMIs New | AMI Catalog | Elastic Block Store | Volumes New | Snapshots New | Lifecycle Manager | Network & Security | Security Groups

EC2 > Instances > Launch an instance

Success
Successfully initiated launch of instance (i-05251994f246247fe)

▶ Launch log

Next Steps

Get notified of estimated charges
Create [billing alerts](#) to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier)

How to connect to your instance
Your instance is launching and it might be a few minutes until it is in the running state, when it will be ready for you to use
Click [View Instances](#) to monitor your instance's status. Once your instance is in the 'running' state, you can connect to it from the Instances screen. Find out [how to connect to your instance](#)

[View more resources to get you started](#)

1 [View all instances](#)

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EC2 인스턴스 생성

A screenshot of the AWS EC2 Instances page. The page shows a single instance named "My First EC2" with the following details:

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone |
|--------------|---------------------|----------------|---------------|--------------|--------------|-------------------|
| My First EC2 | i-05251994f246247fe | Pending | t2.medium | - | No alarms | ap-northeast-1a |

The left sidebar shows the navigation menu for EC2, including "Instances", "Images", "Elastic Block Store", and "Network & Security". A yellow arrow with the number "1" points to the "Instances" section of the sidebar.

Page footer: Feedback, Looking for language selection? Find it in the new Unified Settings, © 2022, Amazon Web Services, Inc. or its affiliates., Privacy, Terms, Cookie preferences

EC2 인스턴스

접속

The screenshot shows the AWS EC2 Instances page with a single instance listed. A context menu is open over the instance, with the text '마우스 우클릭' (Mouse Right Click) highlighted by a yellow arrow. The menu includes options like Launch instances, Connect, Stop instance, Start instance, Reboot instance, Hibernate instance, Terminate instance, Instance settings, Networking, Security, Image and templates, Checks, Monitoring, and Tags. A large orange arrow points from the right towards the 'Connect' option in the menu. The number '2' is displayed on this arrow, indicating a step or count.

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS | Public IPv4 |
|---------|-------------|----------------|-------------------|--------------|-----------------|--------------------------|-----------------|-------------|
| 마우스 우클릭 | i-0525199 | t2.medium | 2/2 checks passed | No alarms | ap-northeast-1a | ec2-18-183-105-202.ap... | 18.183.105. | |

Instance: i-05251994f246247f

Details Security Network

Instance summary Info

| | | |
|--|---|---|
| Instance ID i-05251994f246247fe (My First EC2) | Public IPv4 address 18.183.105.202 open address | Private IPv4 addresses 172.31.34.134 |
| IPv6 address - | Instance state Running | Public IPv4 DNS ec2-18-183-105-202.ap-northeast-1.compute.amazonaws.com open address |
| Hostname type IP name: ip-172-31-34-134.ap-northeast-1.compute.internal | Private IP DNS name (IPv4 only) ip-172-31-34-134.ap-northeast-1.compute.internal | Elastic IP addresses - |
| Answer private resource DNS name IPv4 (A) | Instance type t2.medium | |

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EC2 인스턴스

접속

The screenshot shows the AWS EC2 Connect interface. At the top, there's a navigation bar with the AWS logo, a search bar, and account information for Tokyo (kbi-0092 @ 4078-1521-9100). Below the navigation bar, the URL path is shown: EC2 > Instances > i-05251994f246247fe > Connect to instance.

The main content area is titled "Connect to instance" and includes an "Info" link. It provides instructions to connect to the instance using various methods: EC2 Instance Connect, Session Manager, SSH client, or EC2 serial console. The "EC2 Instance Connect" tab is selected.

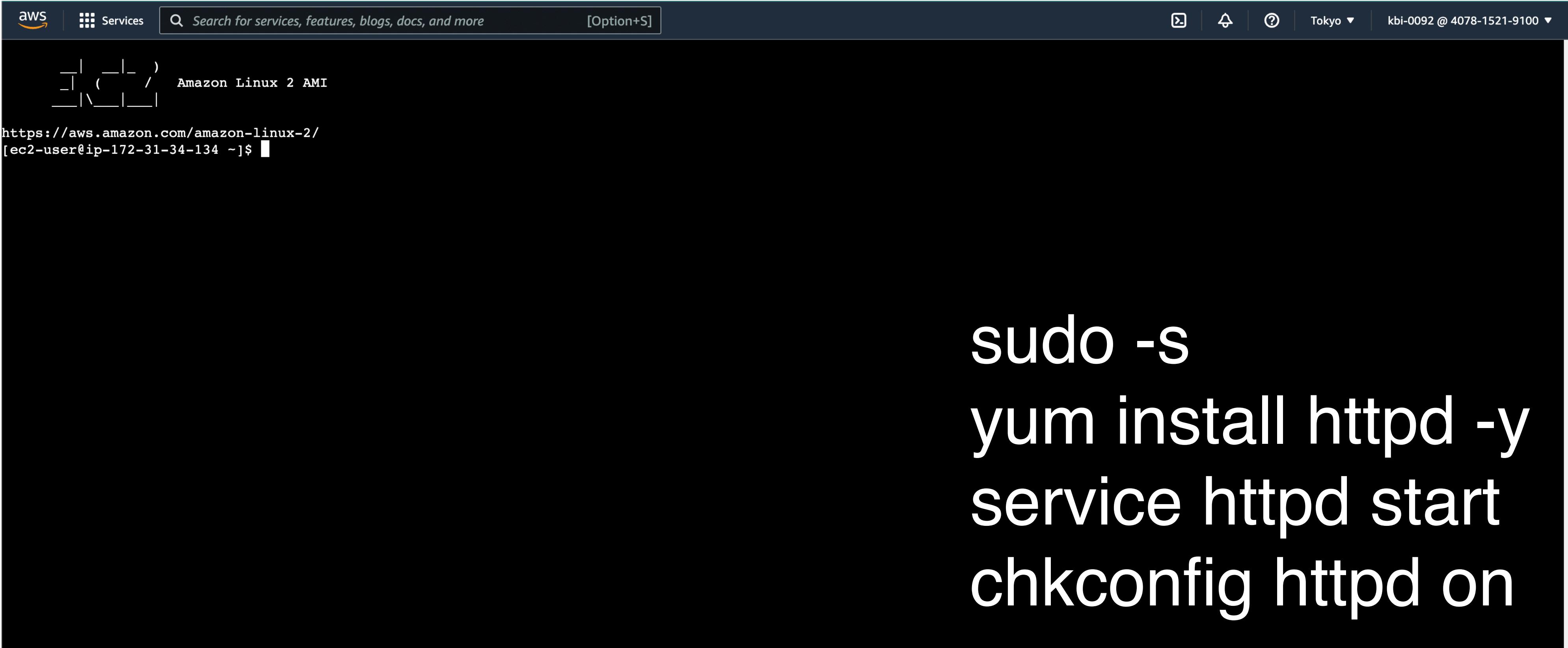
Details for the instance i-05251994f246247fe (My First EC2) are listed:

- Instance ID: [i-05251994f246247fe \(My First EC2\)](#)
- Public IP address: [18.183.105.202](#)
- User name:

A note at the bottom of the main content area states: "Note: In most cases, the guessed user name is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name."

At the bottom right of the main content area, there are "Cancel" and "Connect" buttons. A large yellow arrow points from the number "1" to the "Connect" button.

EC2 인스턴스 Apache 서버 설치



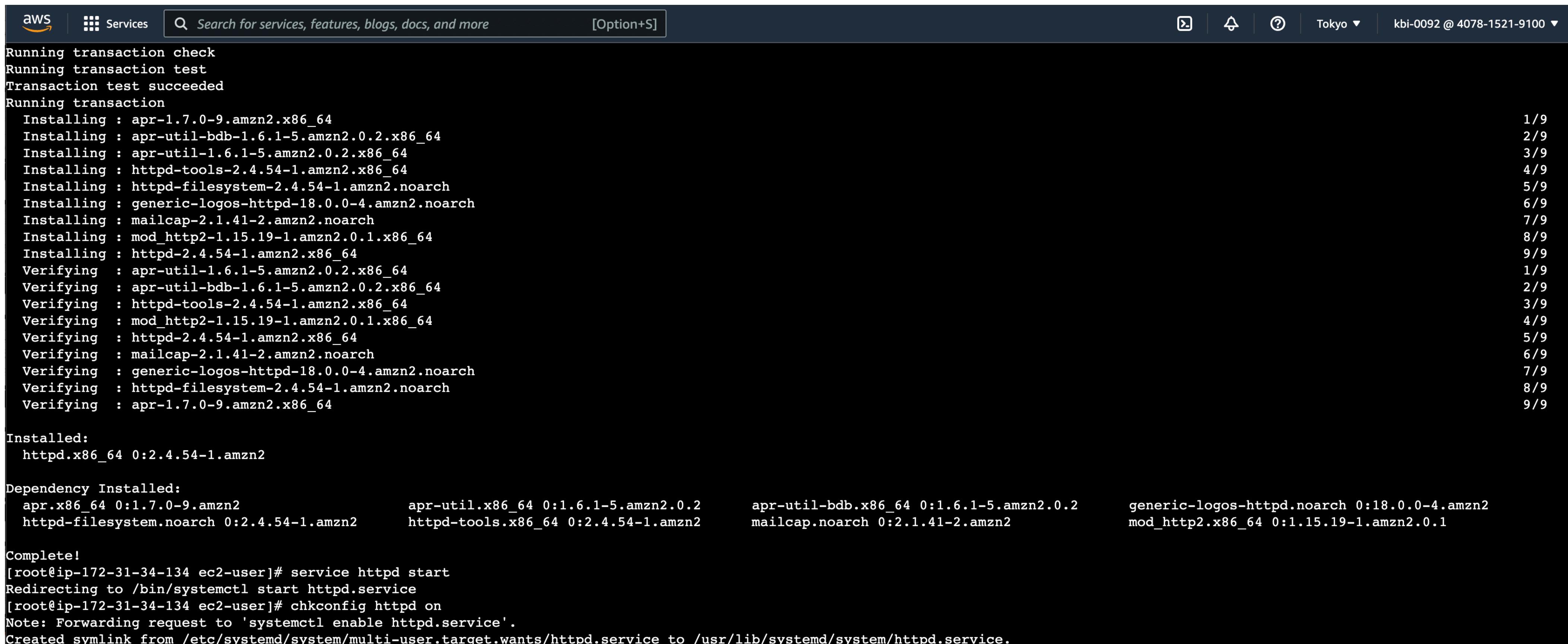
```
sudo -s  
yum install httpd -y  
service httpd start  
chkconfig httpd on
```

i-05251994f246247fe (My First EC2)

Public IPs: 18.183.105.202 Private IPs: 172.31.34.134

EC2 인스턴스

Apache 서버 설치



The screenshot shows a terminal window within the AWS CloudShell interface. The terminal displays the output of a package management command, likely yum or apt-get, used to install Apache and its dependencies. The output includes transaction details, package installations, verification steps, and dependency information. At the bottom, the user runs commands to start the httpd service and enable it for system startup.

```
aws Services Search for services, features, blogs, docs, and more [Option+S] Tokyo ▾ kbi-0092 @ 4078-1521-9100 ▾

Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : apr-1.7.0-9.amzn2.x86_64 1/9
  Installing : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 2/9
  Installing : apr-util-1.6.1-5.amzn2.0.2.x86_64 3/9
  Installing : httpd-tools-2.4.54-1.amzn2.x86_64 4/9
  Installing : httpd-filesystem-2.4.54-1.amzn2.noarch 5/9
  Installing : generic-logos-httpd-18.0.0-4.amzn2.noarch 6/9
  Installing : mailcap-2.1.41-2.amzn2.noarch 7/9
  Installing : mod_http2-1.15.19-1.amzn2.0.1.x86_64 8/9
  Installing : httpd-2.4.54-1.amzn2.x86_64 9/9
  Verifying : apr-util-1.6.1-5.amzn2.0.2.x86_64 1/9
  Verifying : apr-util-bdb-1.6.1-5.amzn2.0.2.x86_64 2/9
  Verifying : httpd-tools-2.4.54-1.amzn2.x86_64 3/9
  Verifying : mod_http2-1.15.19-1.amzn2.0.1.x86_64 4/9
  Verifying : httpd-2.4.54-1.amzn2.x86_64 5/9
  Verifying : mailcap-2.1.41-2.amzn2.noarch 6/9
  Verifying : generic-logos-httpd-18.0.0-4.amzn2.noarch 7/9
  Verifying : httpd-filesystem-2.4.54-1.amzn2.noarch 8/9
  Verifying : apr-1.7.0-9.amzn2.x86_64 9/9

Installed:
  httpd.x86_64 0:2.4.54-1.amzn2

Dependency Installed:
  apr.x86_64 0:1.7.0-9.amzn2           apr-util.x86_64 0:1.6.1-5.amzn2.0.2      apr-util-bdb.x86_64 0:1.6.1-5.amzn2.0.2      generic-logos-httpd.noarch 0:18.0.0-4.amzn2
  httpd-filesystem.noarch 0:2.4.54-1.amzn2    httpd-tools.x86_64 0:2.4.54-1.amzn2        mailcap.noarch 0:2.1.41-2.amzn2                mod_http2.x86_64 0:1.15.19-1.amzn2.0.1

Complete!
[root@ip-172-31-34-134 ec2-user]# service httpd start
Redirecting to /bin/systemctl start httpd.service
[root@ip-172-31-34-134 ec2-user]# chkconfig httpd on
Note: Forwarding request to 'systemctl enable httpd.service'.
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[root@ip-172-31-34-134 ec2-user]#
```

i-05251994f246247fe (My First EC2)

Public IPs: 18.183.105.202 Private IPs: 172.31.34.134

EC2 인스턴스

Apache 서버 접속

The screenshot shows the AWS EC2 Instances page. On the left sidebar, under the 'Instances' section, there is a link to 'Instances New'. The main content area displays one instance:

| Name | Instance ID | Instance state | Instance type | Status check | Alarm status | Availability Zone | Public IPv4 DNS | Public IPv4 ... |
|--------------|---------------------|----------------|---------------|-------------------|--------------|-------------------|--------------------------|-----------------|
| My First EC2 | i-05251994f246247fe | Running | t2.medium | 2/2 checks passed | No alarms | ap-northeast-1a | ec2-18-183-105-202.ap... | 18.183.105.202 |

A large black arrow points from the bottom of the instance table down to the Apache test page below.

Test Page

This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.

If you are a member of the general public:

The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.

If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

For example, if you experienced problems while visiting www.example.com, you should send e-mail to "webmaster@example.com".

If you are the website administrator:

You may now add content to the directory `/var/www/html/`. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file `/etc/httpd/conf.d/welcome.conf`.

You are free to use the image below on web sites powered by the Apache HTTP Server:

The logo consists of the text "Powered by" above a stylized feather graphic, with "APACHE" in large red letters and "2.4" in smaller blue letters to the right.

EC2 인스턴스

네트워크 설정 확인

The screenshot shows the AWS EC2 Instances page. On the left, there's a sidebar with options like EC2 Dashboard, EC2 Global View, Events, Tags, and Limits. The main area displays a table titled "Instances (1) Info". The table has columns: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS, and Public IPv4 IP. One row is shown, labeled "My First EC2" with Instance ID "i-05251994f246247fe". The "Instance state" is "Running" (green checkmark). The "Status check" shows "2/2 checks passed". The "Availability Zone" is "ap-northeast-1a", and the "Public IPv4 DNS" is "ec2-18-183-105-202.amazonaws.com". A large orange arrow labeled "1" points to the instance row.

The screenshot shows the "Instance summary for i-05251994f246247fe (My First EC2)" page. The left sidebar includes sections for Instances, Images, and Elastic Block Store. The main content area shows detailed information for the instance. Under "Details", it lists: Instance ID (i-05251994f246247fe), Public IPv4 address (18.183.105.202), Private IP (172.31.34.134), Public IPv4 DNS (ec2-18-183-105-202.ap-northeast-1.compute.amazonaws.com), Instance state (Running), Instance type (t2.medium), VPC ID (vpc-0bf01962f8c98bd1a), Subnet ID (subnet-0e3eed27d0f462c8a), IAM Role (none), and Auto Scaling Group name (none). Under "Security", it shows: IAM Role (none), Owner ID (407815219100), and Launch time (Sun Sep 25 2022 20:24:25 GMT+0900 (한국 표준시)). A large orange arrow labeled "2" points to the "Security" tab.

EC2 인스턴스

네트워크 설정 확인

The screenshot shows the AWS EC2 Instances page. On the left, there's a sidebar with options like EC2 Dashboard, EC2 Global View, Events, Tags, and Limits. The main area displays a table titled "Instances (1) Info". The table has columns: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, Public IPv4 DNS, and Public IPv4 IP. One row is shown, labeled "My First EC2" with Instance ID "i-05251994f246247fe". The instance is "Running" (t2.medium), with 2/2 checks passed, no alarms, in "ap-northeast-1a", with Public IPv4 DNS "ec2-18-183-105-202.amazonaws.com" and IP "18.183.105.202". A large orange arrow labeled "1" points to the instance row.

The screenshot shows the "Instance summary for i-05251994f246247fe (My First EC2)" page. The left sidebar includes sections for Instances, Images, and Elastic Block Store. The main content area shows detailed information for the instance, including its ID, state, type, and network settings. It also lists IAM roles, VPC ID, subnet ID, and security group information. A large orange arrow labeled "2" points to the "Security groups" section at the bottom.

| Instance ID | Public IPv4 address | Private IPv4 addresses |
|------------------------------------|-------------------------------|------------------------|
| i-05251994f246247fe (My First EC2) | 18.183.105.202 open address | 172.31.34.134 |

| IP name | Private IP DNS name (IPv4 only) | Instance type | Elastic IP addresses |
|--|--|---------------|----------------------|
| ip-172-31-34-134.ap-northeast-1.compute.internal | ip-172-31-34-134.ap-northeast-1.compute.internal | t2.medium | - |

| VPC ID | AWS Compute Optimizer finding |
|-----------------------|--|
| vpc-0bf01962f8c98bd1a | User: arn:aws:iam::407815219100:user/kbi-0092 is not authorized to perform: compute-optimizer:GetEnrollmentStatus on resource: * with an explicit deny in a service control policy |

| IAM Role | Subnet ID | Auto Scaling Group name |
|----------|--------------------------|-------------------------|
| - | subnet-0e3eed27d0f462c8a | - |

| Owner ID | Launch time |
|--------------|--|
| 407815219100 | Sun Sep 25 2022 20:24:25 GMT+0900 (한국 표준시) |

| Security groups |
|--|
| sg-081d0c68ef36b255a (launch-wizard-1) |

EC2 인스턴스

네트워크 설정 확인

The screenshot shows the AWS EC2 Security Groups page for the security group `sg-081d0c68ef36b255a - launch-wizard-1`. The page includes a sidebar with navigation links for EC2 Dashboard, EC2 Global View, Events, Tags, Limits, Instances (selected), Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances (New), Dedicated Hosts, Capacity Reservations, Images (AMIs New, AMI Catalog), and Elastic Block Store (Volumes New, Snapshots New, Lifecycle Manager New). The main content area displays the security group details and its inbound rules.

Details

| | | | |
|---------------------------------|--------------------------------------|--|---------------------------------------|
| Security group name | Security group ID | Description | VPC ID |
| launch-wizard-1 | sg-081d0c68ef36b255a | launch-wizard-1 created 2022-09-25T11:18:18.283Z | vpc-0bf01962f8c98bd1a |
| Owner | Inbound rules count | Outbound rules count | |
| 407815219100 | 2 Permission entries | 1 Permission entry | |

Inbound rules (2)

| Name | Security group rule... | IP version | Type | Protocol | Port range | Source |
|------|------------------------|------------|------|----------|------------|-----------|
| - | sgr-0134e803d56f468c8 | IPv4 | HTTP | TCP | 80 | 0.0.0.0/0 |
| - | sgr-0907f087268f55800 | IPv4 | SSH | TCP | 22 | 0.0.0.0/0 |

Actions

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Feedback Looking for language selection? Find it in the new Unified Settings [Unified Settings](#)

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