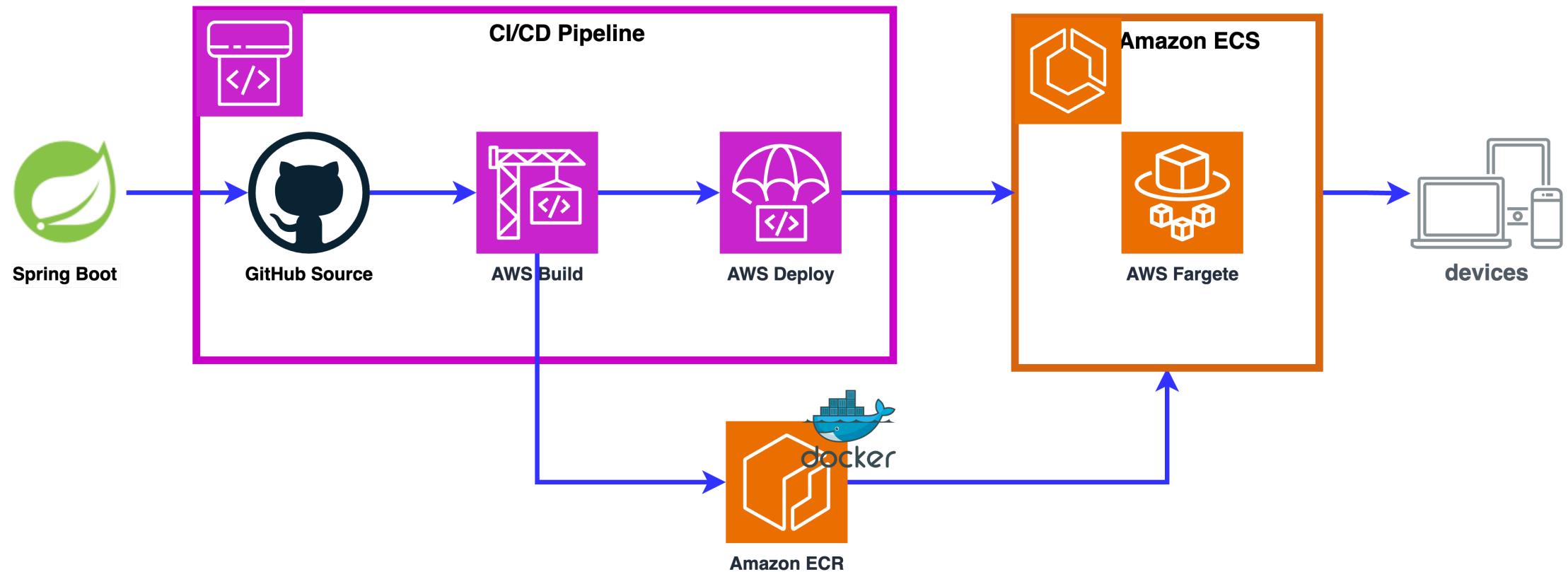


전체 아키텍처



Amazon ECS

- AWS ECS (Elastic Container Service)는 Docker 컨테이너를 손쉽게 배포, 관리, 확장할 수 있도록 도와주는 완전관리형 컨테이너 오케스트레이션 서비스입니다.



1. ecsTaskServiceRole 생성

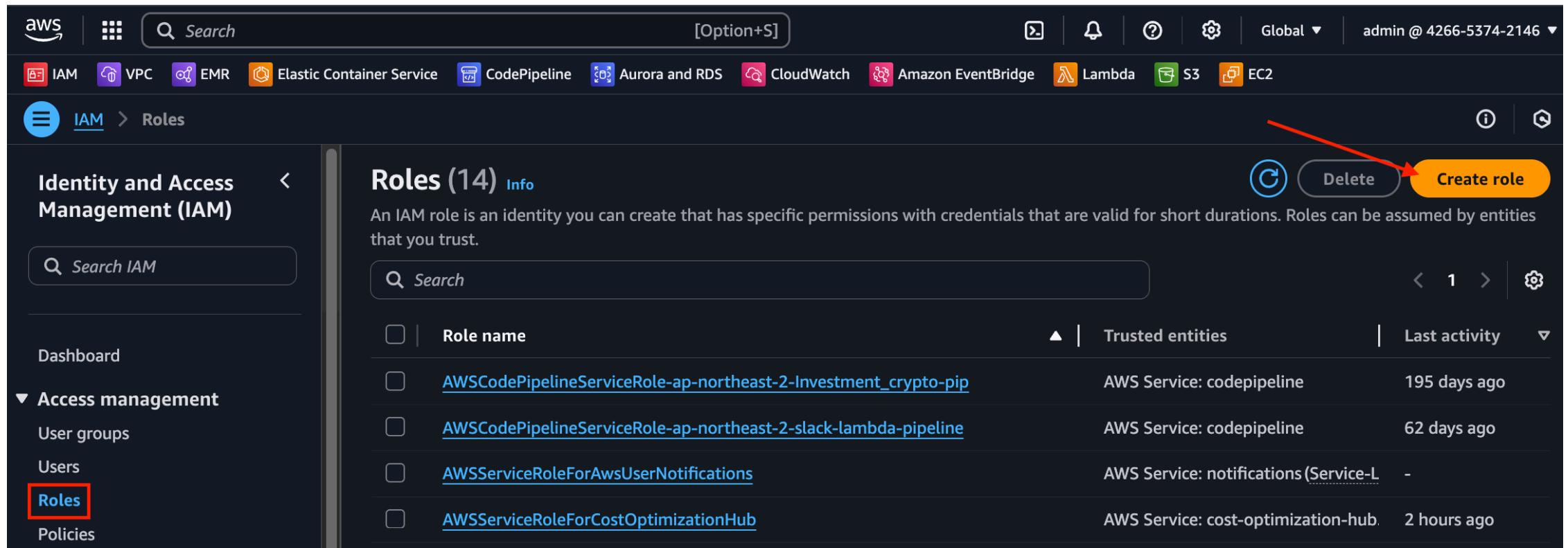
단계1: IAM 접속

The screenshot shows the AWS IAM service page. At the top, there is a navigation bar with the AWS logo, a search bar containing 'IAM', and various icons. The region is set to 'Asia Pacific (Seoul)' and the user is 'admin @'. On the left, a sidebar lists 'Console' options like 'Recent', 'Code', and 'Tutorials'. The main area is titled 'Services' and contains three items:

- IAM** Manage access to AWS resources
- IAM Identity Center** Manage workforce user access to multiple AWS accounts and cloud applications
- Resource Access Manager** Share AWS resources with other accounts or AWS Organizations

A red arrow points to the first item, 'IAM'.

단계 2: Create Role



The screenshot shows the AWS IAM Roles page. The left sidebar is titled "Identity and Access Management (IAM)" and includes sections for Dashboard, Access management (User groups, Users, Roles, Policies), and a search bar. The "Roles" section is currently selected and highlighted with a red box. The main content area displays a table of existing roles with columns for Role name, Trusted entities, and Last activity. A red arrow points from the "Create role" button at the top right of the table to the "Create role" button in the bottom right corner of the table header.

Role name	Trusted entities	Last activity
AWSCodePipelineServiceRole-ap-northeast-2-Investment_crypto-pip	AWS Service: codepipeline	195 days ago
AWSCodePipelineServiceRole-ap-northeast-2-slack-lambda-pipeline	AWS Service: codepipeline	62 days ago
AWSServiceRoleForAwsUserNotifications	AWS Service: notifications (Service-L)	-
AWSServiceRoleForCostOptimizationHub	AWS Service: cost-optimization-hub	2 hours ago

Select trusted entity Info

Trusted entity type

AWS service

Allow AWS services like EC2, Lambda, or others to perform actions in this account.

AWS account

Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.

Web identity

Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.

SAML 2.0 federation

Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.

Custom trust policy

Create a custom trust policy to enable others to perform actions in this account.

Use case

Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

Service or use case

Elastic Container Service



Choose a use case for the specified service.

Use case

Elastic Container Service

Allows ECS to create and manage AWS resources on your behalf.

Elastic Container Service Autoscale

Allows Auto Scaling to access and update ECS services.

Elastic Container Service Task

Allows ECS tasks to call AWS services on your behalf.

EC2 Role for Elastic Container Service

Allows EC2 instances in an ECS cluster to access ECS.

Elastic Container Service for VPC Lattice

Allows access to create and manage AWS service resources required to manage VPC Lattice feature in ECS workloads

Cancel

Next

Add AmazonSSMReadOnlyAccess

Add permissions Info

Permissions policies (1/1075) Info (C)

Choose one or more policies to attach to your new role.

Filter by Type

Policy name	Type	Description
<input checked="" type="checkbox"/> AmazonSSMReadOnlyAccess	AWS managed	Provides read only access to Amazon SSM.

▶ Set permissions boundary - *optional*

[Cancel](#) [Previous](#) **Next** →

ecsTaskServiceRole

Name, review, and create

Role details

Role name

Enter a meaningful name to identify this role.

Maximum 64 characters. Use alphanumeric and '+=,.@-_' characters.

Description

Add a short explanation for this role.

Maximum 1000 characters. Use letters (A-Z and a-z), numbers (0-9), tabs, new lines, or any of the following characters: _+=,. @-/\[\]!#\$%^*(();":`~

Step 1: Select trusted entities

[Edit](#)

Trust policy

```
1  {
2      "Version": "2012-10-17",
3      "Statement": [
4          {
5              "Sid": "",
6              "Effect": "Allow",
7              "Principal": {
8                  "Service": [
9                      "ecs-tasks.amazonaws.com"
10                 ],
11             },
12             "Action": "sts:AssumeRole"
13         }
14     ]
15 }
```

Step 2: Add permissions

[Edit](#)

Permissions policy summary

Policy name [\[?\]](#)

▲ | Type

▼ | Attached as

[AmazonSSMReadOnlyAccess](#)

AWS managed

Permissions policy

Step 3: Add tags

Add tags - optional Info

Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.

No tags associated with the resource.

[Add new tag](#)

You can add up to 50 more tags.

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

Deployment configuration

Service type | [Info](#)

Specify the service type that the service scheduler will follow.

Replica

Place and maintain a desired number of tasks across your cluster.

Daemon

Place and maintain one copy of your task on each container instance.

Desired tasks

Specify the number of tasks to launch.

1

Availability Zone rebalancing | [Info](#)

Turn on Availability Zone rebalancing

Amazon ECS automatically detects Availability Zone imbalances in task distributions across an ECS service, and evenly redistributes ECS service tasks across Availability Zones.

Health check grace period | [Info](#)

1

seconds

단계3: 확인

The screenshot shows the AWS IAM Roles page. The search bar at the top contains the text "ecsTaskServiceRole". A red arrow points from the text in the search bar to the search results below. The results table has two columns: "Role name" and "Trusted entities". One row is visible, showing "ecsTaskServiceRole" and "AWS Service: ecs-tasks".

Role name	Trusted entities
ecsTaskServiceRole	AWS Service: ecs-tasks

3. ECS Task 생성

단계1: ECS 접속

The screenshot shows the AWS Management Console interface. At the top, there are three tabs: 'Console Home | Console Hom' (highlighted in orange), 'course_awx/codepipeline/ecs' (highlighted in green), and 'SKN 10기 최종 프로젝트 사용 기술' (highlighted in blue). Below the tabs is a search bar with the text 'ECS' and a red box around the 'Region' dropdown menu. The dropdown menu shows 'Asia Pacific (Seoul)' with a red border. On the left side, there is a sidebar with sections for 'Console', 'Recent', and links like 'Services', 'Features', 'Resources New', 'Documentation', 'Knowledge articles', 'Marketplace', and 'Blog posts'. In the center, under the 'Services' heading, there are two cards: 'Elastic Container Service' (with a red arrow pointing to its icon) and 'Batch'. Both cards have a star icon at the end.

단계 2: Create new task definition

The screenshot shows the Amazon Elastic Container Service (ECS) Task definitions page. On the left, there's a sidebar with options: Clusters, Namespaces, **Task definitions** (which is selected and highlighted with a red box), and Account settings. Below that are links to Amazon ECR and Repositories. The main content area has a header with a message about log driver mode changes, followed by a "Task definitions (0)" section. This section includes a "Last updated" timestamp (July 09, 2025 at 20:22 (UTC+9:00)), a "Deploy" button, a "Create new revision" button, and a prominent yellow "Create new task definition" button. A red arrow points to this yellow button. Below this are "Filter task definitions" and "Task definition" and "Status of last revision" dropdowns. At the bottom, it says "No task definitions" and "No task definitions to display."

ecs-springboot-task

≡ [Amazon Elastic Container Service](#) > [Create new task definition](#)

Create new task definition Info

Task definition configuration

Task definition family | [Info](#)

Specify a unique task definition family name.

ecs-springboot-task

Up to 255 letters (uppercase and lowercase), numbers, hyphens, and underscores are allowed.

▼ Infrastructure requirements

Specify the infrastructure requirements for the task definition.

Launch type | [Info](#)

Selection of the launch type will change task definition parameters.

AWS Fargate

Serverless compute for containers.

Amazon EC2 instances

Self-managed infrastructure using Amazon EC2 instances.

OS, Architecture, Network mode

Network mode is used for tasks and is dependent on the compute type selected.

Operating system/Architecture | [Info](#)

Linux/X86_64

Network mode | [Info](#)

awsvpc

Task size | [Info](#)

Specify the amount of CPU and memory to reserve for your task.

CPU

1 vCPU

Memory

2 GB

▼ Task roles - conditional**Task role** | [Info](#)

A task IAM role allows containers in the task to make API requests to AWS services. You can create a task IAM role from the [IAM console](#).

ecsTaskServiceRole

Task execution role | [Info](#)

A task execution IAM role is used by the container agent to make AWS API requests on your behalf. If you don't already have a task execution IAM role created, we can create one for you.

Create new role

► Task placement - optional**► Fault injection - optional**

ecs-springboot-container

The screenshot shows two side-by-side interfaces. On the left is the AWS Lambda console's 'Container details' configuration page. It has a 'Name' field containing 'ecs-springboot-container' with a red arrow pointing to it. Below the name is a note about allowed characters: 'Up to 255 letters (uppercase and lowercase), numbers, hyphens, and underscores are allowed.' On the right is a code editor displaying a 'buildspec.yml' file. The file contains YAML configuration for an ECS container. The 'variables' section is highlighted with a red box around the line 'ECS_CONTAINER_NAME: ecs-springboot-container'. The code is as follows:

```
buildspec.yml
buildspec.yml > {} env > {} variables > ECS_CONTAINER_NAME: ecs-springboot-container

env:
variables:
# ECS 서비스에서 사용할 컨테이너 이름
ECS_CONTAINER_NAME: ecs-springboot-container
# ECR 리포지토리 이름 (사전에 AWS ECR에 생성되어 있어야 함)
IMAGE_REPO_NAME: . . .
```

▼ Container - 1 [Info](#)

Container details
Specify a name, container image, and whether the container should be marked as essential.

Name Up to 255 letters (uppercase and lowercase), numbers, hyphens, and underscores are allowed.

Image URI Up to 255 letters (uppercase and lowercase, forward slashes, and number signs are allowed.)

Private registry [Info](#)
Store credentials in Secrets Manager, and then use the credentials to reference images.

Private registry authentication

Port mappings [Info](#)
Add port mappings to allow the container to access ports on the host to send or receive data.

Container port	Protocol	Port name
80	TCP	contact

Elastic Container Registry - P X +

ap-northeast-2.console.aws.amazon.com/ecr/private-registry/repositories?

aws | Search [Option+S] ▾

IAM VPC EMR Elastic Container Service CodePipeline Aurora and RDS CloudWatch Metrics

Amazon ECR > Private registry > Repositories

Private repositories (1)

Search by repository substring

Repository name	Repository URI copied
course-ecs-springboot-ecr	426653742146.dkr.ecr.ap-northeast-2.amazonaws.com/course-ecs-springboot-ecr

Name <input type="text" value="ecs-springboot-container"/> Up to 255 letters (uppercase and lowercase), numbers, hyphens, and underscores are allowed.	Image URI <input type="text" value="426653742146.dkr.ecr.ap-northeast-2.amazonaws.com/course-ecs-springboot-e"/> Up to 255 letters (uppercase and lowercase), numbers, hyphens, underscores, colons, periods, forward slashes, and number signs are allowed.	Essential container <input checked="" type="checkbox"/> Yes ▾
Private registry Info Store credentials in Secrets Manager, and then use the credentials to reference images in private registries. <input checked="" type="radio"/> Private registry authentication		
Port mappings Info Add port mappings to allow the container to access ports on the host to send or receive traffic. For port name, a default will be assigned if left blank.		
Container port <input type="text" value="8080"/>	Protocol <input style="width: 100px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="text" value="TCP"/> ▾	Port name <input type="text" value="springboot-port"/>
		App protocol <input style="width: 100px; border: 1px solid #ccc; border-radius: 5px; padding: 2px 10px;" type="text" value="HTTP"/> ▾
Add port mapping Remove		

Read only root file system | [Info](#)

When this parameter is turned on, the container is given read-only access to its root file system.

 Read only

Resource allocation limits - conditional | [Info](#)

Container-level CPU, GPU, and memory limits are different from task-level values. They define how much resources are allocated for the container. If container attempts to exceed the memory specified in hard limit, the container is terminated.

CPU

 1

in vCPU

GPU

 1

Memory hard limit

 3

in GB

Memory soft limit

 1

in GB

► **Environment variables - optional**

► **Logging - optional**

► **Restart policy - optional**

Configure a container restart policy to restart individual containers locally without restarting the whole task.

CMD-SHELL, curl -f <http://localhost:8080/health> || exit 1

The image shows a developer's workspace with two main components:

- Left Panel (Configuration Editor):** Displays the "HealthCheck - optional" section of a configuration file. It includes fields for "Command" (containing the value "CMD-SHELL, curl -f http://localhost:8080/health || exit 1") and "Interval" (set to "seconds"). A red arrow points from the "Command" field in the configuration editor to the "include: health" line in the "exposure:" block of the application.yml file.
- Right Panel (Code Editor):** Shows the "application.yml" file with the following content:

```
src > main > resources > application.yml > {} server
21 # Spring Boot Actuator 설정 (Health Check)
22 management:
23   endpoints:
24     web:
25       exposure:
26         # health 엔드포인트를 웹에 노출
27         include: health
28         base-path: /
29       endpoint:
```

Start period

The optional grace period within which to provide containers time to bootstrap before failed health checks count towards the maximum number of retries. The valid values are between 0 and 300.

seconds

Retries

The number of times to retry a failed health check before the container is considered unhealthy. The valid values are between 1 and 10. The default value is 3.

- ▶ **Startup dependency ordering - *optional***
- ▶ **Container timeouts - *optional***
- ▶ **Container network settings - *optional***
- ▶ **Docker configuration - *optional***

► Resource limits (Ulimits) - *optional*

► Docker labels - *optional*

+ Add container

► Storage - *optional*

► Monitoring - *optional*

Configure your application trace and metric collection settings using the AWS Distro for OpenTelemetry integration.

► Tags - *optional* Info

Tags help you to identify and organize your task definitions.

Cancel

Create

단계3: 확인

The screenshot shows the Amazon Elastic Container Service (ECS) Task definitions page. On the left, there's a sidebar with links for Clusters, Namespaces, Task definitions (which is the current page), and Account settings. Below that are links for Amazon ECR and Repositories, and at the bottom is a link for AWS Batch.

The main content area has a green success message box that says: "Task definition successfully created" and "ecs-springboot-task:5 has been successfully created. You can use this task definition to deploy a service or run a task." To the right of the message is a "View task definition" button and a close button (X).

The main title is "Task definitions (1)" with an "Info" link. Below it, it says "Last updated July 09, 2025 at 20:50 (UTC+9:00)". There are three buttons: "Deploy" (disabled), "Create new revision", and "Create new task definition".

Below these are filters: "Filter by status" set to "Active", a search bar with placeholder "Filter task definitions", and a page navigation bar showing page 1 of 1.

The table lists one task definition:

Task definition	Status of last revision
ecs-springboot-task	ACTIVE

4. ECS Cluster 생성

단계1: Create cluster

The screenshot shows the AWS ECS Clusters page. On the left, there's a sidebar with navigation links: 'Clusters' (which is selected and highlighted with a red box), 'Namespaces', 'Task definitions', and 'Account settings'. Below that is a link to 'Amazon ECR'. The main area has a title 'Clusters (0) Info' with a 'Last updated' timestamp of 'July 09, 2025 at 20:51 (UTC+9:00)'. A search bar says 'Search clusters'. There are two tabs: 'Cluster' and 'Container instances'. Under 'Cluster', it says 'No clusters' and has a 'Create cluster' button. The 'Container instances' tab is partially visible. On the far right, there are icons for information, export, and settings. A red arrow points from the top right towards the 'Create cluster' button.

Cluster nameecs-springboot-cluster

Cluster name must be 1 to 255 characters. Valid characters are a-z, A-Z, 0-9, hyphens (-), and underscores (_).

► Service Connect defaults - optional**▼ Infrastructure - optional Info**

Serverless

Your cluster is automatically configured for AWS Fargate (serverless) with two capacity providers. Add Amazon EC2 instances.

 AWS Fargate (serverless)

Pay as you go. Use if you have tiny, batch, or burst workloads or for zero maintenance overhead. The cluster has Fargate and Fargate Spot capacity providers by default.

 Amazon EC2 instances

Manual configurations. Use for large workloads with consistent resource demands.

ⓘ External instances using ECS Anywhere can be registered after cluster creation is complete.

► **Monitoring - optional** Info

CloudWatch Container Insights is a monitoring and troubleshooting solution for containerized applications and microservices.

► **Encryption - optional**

Choose the KMS keys used by tasks running in this cluster to encrypt your storage.

► **Tags - optional** Info

Tags help you to identify and organize your clusters.

Cancel

Create

단계2: 확인

처음 한 번은 오류가 발생할 수 있지만, 다음 시도에서 AWS가 자동으로 역할을 생성할 수 있음.

The screenshot shows the AWS ECS Clusters page. On the left, there's a sidebar with navigation links: 'Clusters' (which is selected and highlighted in blue), 'Namespaces', 'Task definitions', 'Account settings', 'Amazon ECR [2]', and 'Repositories [2]'. The main content area has a header 'Clusters (1) Info' and a green success message: 'Cluster ecs-springboot-cluster has been created successfully.' with a 'View cluster' button. Below this, there's a search bar labeled 'Search clusters' and a pagination section with a single item '1'. The main table lists one cluster:

Cluster	Services	Tasks	Container instances	CloudWatch logs
ecs-springboot-cluster	0	No tasks running	0 EC2	<input checked="" type="checkbox"/>

5. ECS Service 생성

단계1: ECS Cluster 선택

The screenshot shows the AWS ECS Clusters page. On the left, there's a sidebar with navigation links: 'Clusters' (which is selected and highlighted in blue), 'Namespaces', 'Task definitions', and 'Account settings'. The main area has a title 'Clusters (1) Info' and a search bar with placeholder text 'Search clusters'. Below that is a table with columns: Cluster, Services, Tasks, and Container instances. There is one entry in the table: 'ecs-springboot-cluster' with values 0, 'No tasks running', and 0 EC2. To the right of the table are buttons for 'Create cluster' and other actions. The top right corner shows the last update time: 'July 09, 2025 at 21:35 (UTC+9:00)'.

Cluster	Services	Tasks	Container instances
ecs-springboot-cluster	0	No tasks running	0 EC2

단계2: ECS Service > Create

The screenshot shows the AWS Elastic Container Service (ECS) console. On the left, there's a sidebar with navigation links: Clusters, Namespaces, Task definitions, Account settings, Amazon ECR, Repositories, AWS Batch, and Documentation. The main area is titled "Amazon Elastic Container Service" and shows two sections: "Draining" and "Active". Below these sections is a navigation bar with tabs: Services (which is active), Tasks, Infrastructure, Metrics, Scheduled tasks, Configuration, and Tags. Under the Services tab, there's a summary section for "Services (0)" with buttons for "Manage tags", "Update", "Delete service", and a prominent orange "Create" button. A red arrow points to this "Create" button. Below this are filters for "Filter launch type" (Any launch type), "Filter service type" (Any service type), and sorting options for "Service name", "ARN", "Status", "Service...", and "Created at". At the bottom, it says "No services".

Service details

Task definition family

Select an existing task definition family. To create a new task definition, go to [Task definitions](#).

ecs-springboot-task



Task definition revision

Latest

Select the task definition revision from the 100 most recent entries, or enter a revision. Leave the field blank to use the latest revision.

Q 5



Service name

Assign a service name that is unique for this cluster.

ecs-springboot-task-service-dq4rj1y6

Up to 255 letters (uppercase and lowercase), numbers, underscores, and hyphens are allowed. Service names must be unique within a cluster.

Environment

Existing cluster

ecs-springboot-cluster

▼ Compute configuration (advanced)

Compute options | [Info](#)

To ensure task distribution across your compute types, use appropriate compute options.

Capacity provider strategy

Specify a launch strategy to distribute your tasks across one or more capacity providers.

Launch type

Launch tasks directly without the use of a capacity provider strategy.

Launch type | [Info](#)

Select either managed capacity (Fargate), or custom capacity (EC2 or user-managed, External instances). External instances are registered to your cluster using the ECS

FARGATE



Platform version | [Info](#)

Specify the platform version on which to run your service.

LATEST



Deployment configuration

Service type | [Info](#)

Specify the service type that the service scheduler will follow.

Replica

Place and maintain a desired number of tasks across your cluster.

Daemon

Place and maintain one copy of your task on each container instance.

Desired tasks

Specify the number of tasks to launch.

1

Availability Zone rebalancing | [Info](#)

Turn on Availability Zone rebalancing

Amazon ECS automatically detects Availability Zone imbalances in task distributions across an ECS service, and evenly redistributes ECS service tasks across Availability Zones.

Health check grace period | [Info](#)

1

seconds

▶ Deployment options

▶ Deployment failure detection [Info](#)

▶ Networking

▶ Service Connect - *optional* [Info](#)

Service Connect allows for service-to-service communications with automatic discovery using short names and standard ports.

▶ Service discovery - *optional*

Service discovery uses Amazon Route 53 to create a namespace for your service, which allows it to be discoverable via DNS.

▶ Load balancing - *optional*

Configure load balancing using Amazon Elastic Load Balancing to distribute traffic evenly across the healthy tasks in your service.

► **VPC Lattice - optional** [Info](#)

Fully managed application networking service to connect, secure, and monitor your services across multiple accounts and virtual private clouds (VPCs). When you use VPC Lattice, there is a cost associated with it.

► **Service auto scaling - optional**

Automatically adjust your service's desired count up and down within a specified range in response to CloudWatch alarms. You can modify your service auto scaling configuration at any time to meet the needs of your application.

► **Volume - optional** [Info](#)

Configure a data volume to provide additional storage for the containers in the task.

► **Tags - optional** [Info](#)

Tags help you to identify and organize your resources.

[Cancel](#)

[Create](#)

단계3: ECS Service 선택

The screenshot shows the AWS ECS console with the 'Services' tab selected. There is one service listed:

Service name	ARN	Status	Service type	Created at	Deployments and tasks
ecs-springboot-task-service-dq4rj1y6	arn:aws:ecs:ap-r...	Active	REPLICA	2 minutes ago	1/1 Tasks

단계4: ECS Service > task 선택

Service overview Info

Status Active Tasks (1 Desired) 0 Pending | 1 Running Task definition: revision [ecs-springboot-task:5](#) Deployment status Success

Health and metrics Tasks Logs Deployments Events Configuration and networking Service auto scaling Tags

Tasks (1/1)

Filter tasks by property or value Any desired status Any launch type < 1 > 🔍

Task	Last status	Desired st...	Task defin...	Health sta...	Created at	Started by
29c5870e5a984b33b004...	Running	Running	ecs-springboo...	Healthy	4 minutes ago	ecs-svc/50462

단계5: Public IP 복사

Configuration Logs Networking Volumes (0) Tags

Task overview

ARN arn:aws:ecs:ap-northeast-2:4266 53742146:task/ecs-springboot-clust er/29c5870e5a984b33b0043da26f6 88c83	Last status Running	Desired status Running	Started/Created at July 09, 2025 at 21:48 (UTC+9:00) July 09, 2025 at 21:47 (UTC+9:00)
--	-------------------------------	----------------------------------	---

Fargate ephemeral storage

Encryption Info Default AWS Fargate encryption	Size (GiB) 20
--	-------------------------

Configuration

Operating system/Architecture Linux/X86_64	Capacity provider -	ENI ID eni-004e30d3499935285 [copy]
--	-------------------------------	---

Public IP copied

3.39.235.152 | [open address](#) [\[copy\]](#)



6. ECS 접속 테스트

단계1: EC2 접속

The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, a search bar containing 'ec2' with a magnifying glass icon, and various status icons. The region dropdown is highlighted with a red border and shows 'Asia Pacific (Seoul)'. On the left, a sidebar lists services like IAM and VPC under 'Amazon', and Configuration, Task overview, and ARN under 'AWS CloudFormation'. The main content area is titled 'Services' and features two cards: 'EC2' (Virtual Servers in the Cloud) and 'EC2 Image Builder' (A managed service to automate build, customize and deploy OS images). A red arrow points to the 'EC2' card.

단계2: Security Groups

The screenshot shows the AWS EC2 console interface. On the left, a navigation sidebar is visible with the following items:

- Dashboard
- EC2 Global View
- Events
- Instances
- Images
- Elastic Block Store
- Network & Security
 - Security Groups** (highlighted with a red box)
 - Elastic IPs
 - Placement Groups

A red arrow points from the 'Security Groups' item in the sidebar to the corresponding section in the main content area. The main content area displays the 'Security Groups (1)' page. The table lists one security group:

Name	Security group ID	Security group name	VPC ID
-	sg-0b8eb5ef628718991	default	vpc-0e092...

Below the table, a message says "Select a security group".

단계3: Edit inbound rules

The screenshot shows the AWS Management Console interface for managing security group inbound rules. At the top, there is a header with columns: Name, Security group ID, Security group name, and VPC ID. A single row is selected, highlighted with a blue border, showing the values: Name (unchecked), Security group ID (sg-0b8eb5ef628718991), Security group name (default), and VPC ID (vpc-0e092). Below this, the security group name "sg-0b8eb5ef628718991 - default" is displayed. The "Inbound rules" tab is active, indicated by a blue underline. At the bottom of the page, there is a summary section titled "Inbound rules (1)" with a search bar. To the right of this summary are three buttons: a "C" icon for cloning, "Manage tags", and "Edit inbound rules". A red arrow points from the text "단계3: Edit inbound rules" to the "Edit inbound rules" button.

Inbound rules (1)

Search

C Manage tags Edit inbound rules

8080 port

Inbound rules [Info](#)

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info
sgr-0dc3c36990aa6c4ba	All traffic ▾	All	All	C... ▾	<input type="text"/> Delete
-	Custom TCP ▾	TCP	8080	A... ▾	<div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">sg-0b8eb5ef628718991 X</div> <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;"><input type="text"/> 0.0.0.0/0 X</div> <div style="border: 1px solid #ccc; padding: 5px; display: inline-block;">ecs-springboot X Delete</div>
	Add rule				Cancel Preview changes Save rules

The screenshot shows the AWS Security Groups console. Under the 'Inbound rules' section, there is one existing rule named 'sgr-0dc3c36990aa6c4ba' which allows 'All traffic'. A new rule is being added, indicated by a dashed line. This new rule is set to 'Custom TCP' (port 8080) and its source is '0.0.0.0/0'. The 'Save rules' button at the bottom right is highlighted with a red arrow.

Name	Security group ID	Security group name	VPC ID
-	sg-0b8eb5ef628718991	default	vpc-0e0

sg-0b8eb5ef628718991 - default

—

[Details](#) | **Inbound rules** | [Outbound rules](#) | [Sharing - new](#) | [VPC associations - new](#) | [Tags](#)

Inbound rules (2)

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Type	Protocol	Port range	Source
Custom TCP	TCP	8080	0.0.0.0/0
All traffic	All	All	sg-0b8eb5ef628718991...

단계4: 접속 테스트

http://[Public IP]:8080/hello

