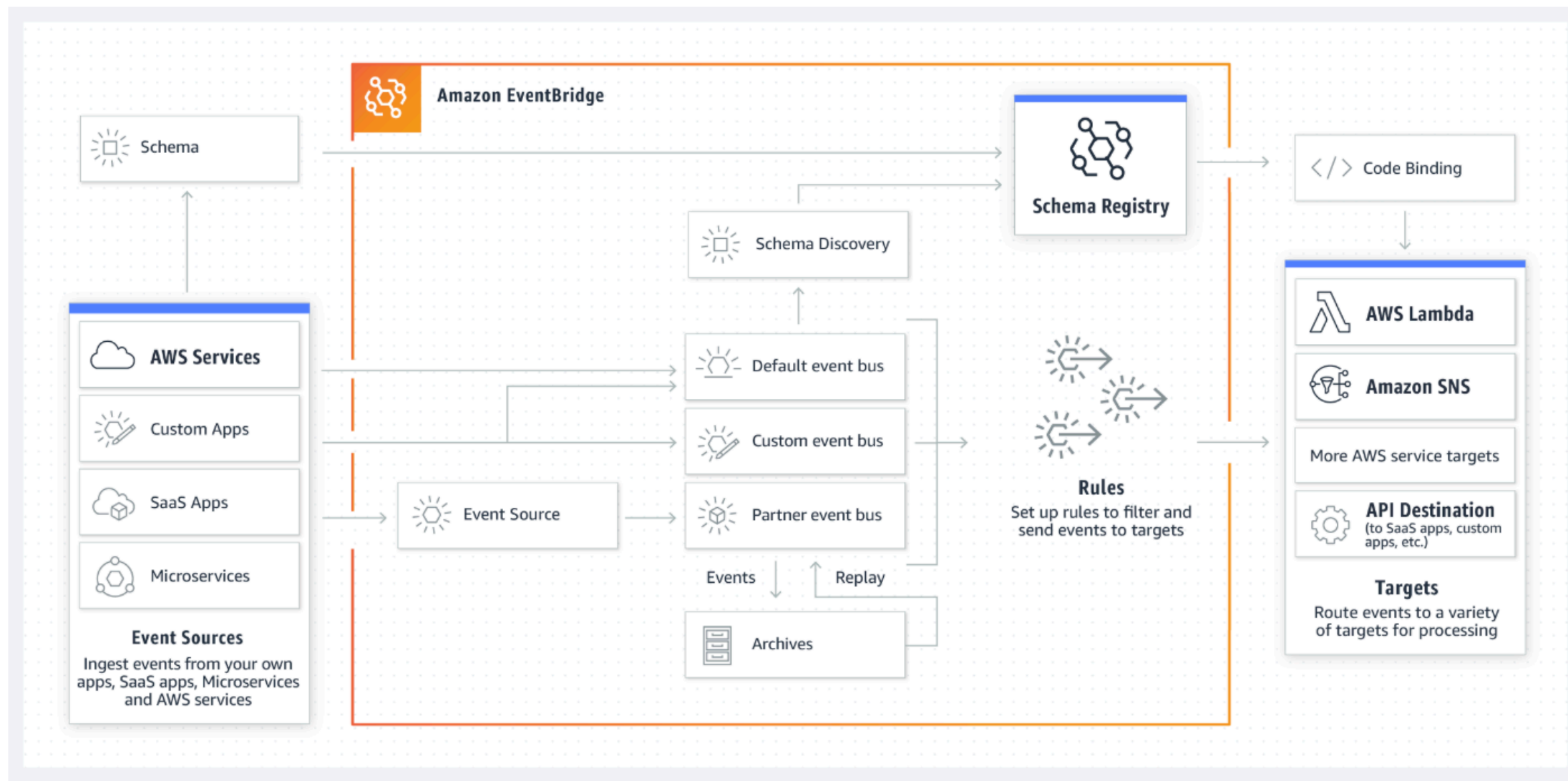


Amazon EventBridge

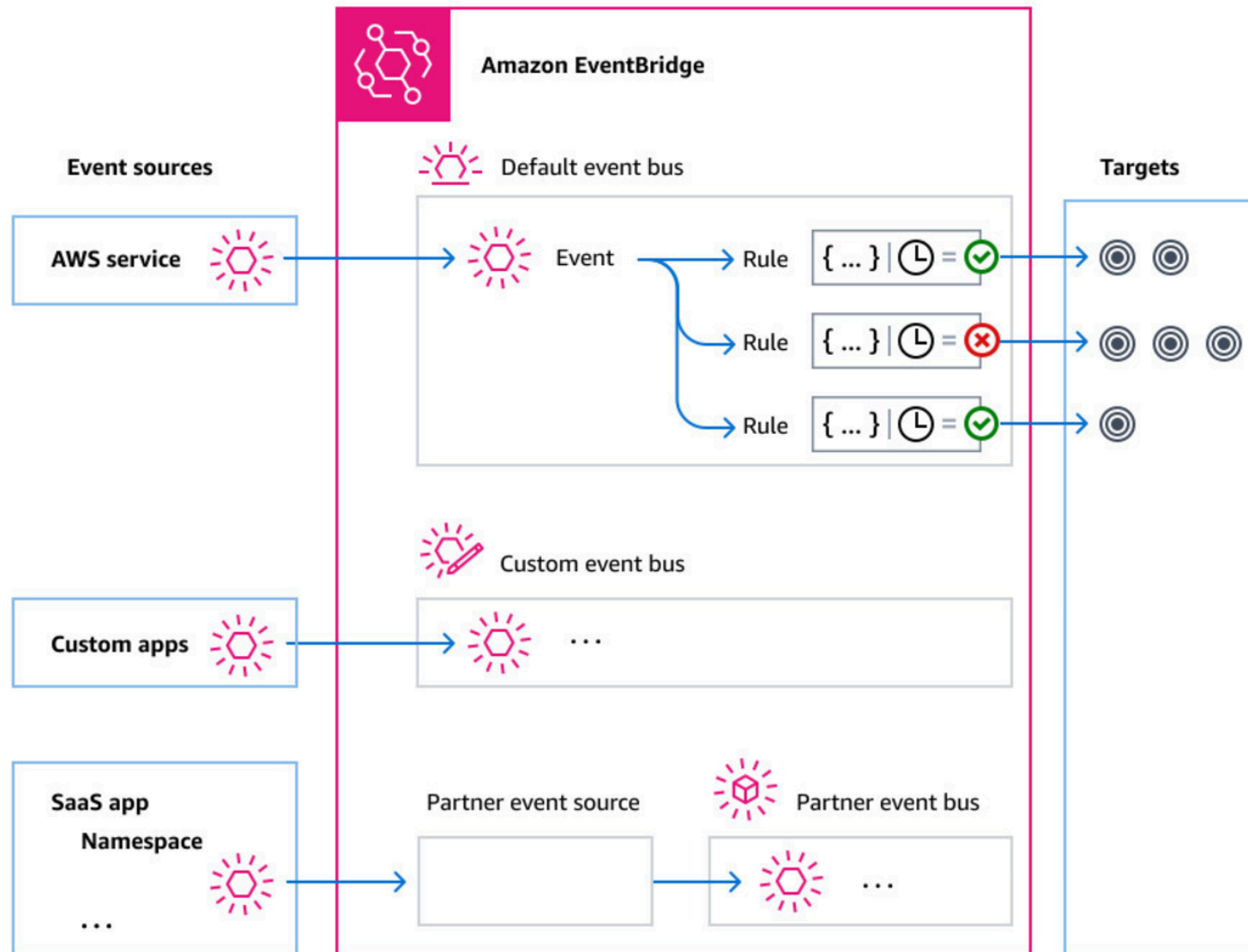
- Amazon EventBridge는 AWS의 리소스 상태 변화나 스케줄링(특정 시간)에 따라 작업을 실행할 수 있는 서비스이다.
- Amazon EventBridge는 다양한 소스(AWS 서비스, 애플리케이션 등)에서 이벤트를 수집하고, 이를 특정 AWS 서비스로 전달한다.



EventBridge의 주요 기능

- Event Source (이벤트 소스)
 - EventBridge가 이벤트를 수집하는 곳이다.
 - 다양한 AWS 서비스, SaaS 애플리케이션 및 사용자 정의 애플리케이션에서 발생하는 이벤트를 EventBridge로 전달할 수 있다.
- Event Bus (이벤트 버스)
 - Event Bus는 다양한 Event Source에서 생긴 이벤트를 수집하고 이를 여러 Target에게 전달하는 시스템이다.

- Event Rules (이벤트 규칙)
 - 이벤트 버스에 도착한 이벤트가 어디로 전달될지 결정하는 규칙을 정의한다.
 - 규칙은 이벤트 패턴에 맞는 이벤트를 감지하여 특정 작업을 실행하도록 설정된다.
- Target (타겟)
 - EventBridge는 수집된 이벤트를 Target을 통해 다양한 AWS 서비스에 전달할 수 있다.



규칙 스케줄링

- EventBridge 스케줄링된 규칙을 생성할 때 규칙 EventBridge 실행 시기를 결정하는 스케줄 패턴을 지정할 수 있습니다.
- cron 표현식을 사용하면 특정 시간과 날짜에 규칙을 실행할 수 있습니다.

cron 표현식

분	시간	일	월	요일	연도	의미
0	10	*	*	?	*	매일 오전 10시 (UTC+0) 에 실행
15	12	*	*	?	*	매일 오후 12시 15분 (UTC+0) 에 실행
0	18	?	*	MON-FRI	*	매주 월요일부터 금요일까지 오후 6시 (UTC+0) 에 실행
0	8	1	*	?	*	매월 1일 오전 8시 (UTC+0) 에 운영
0/15	*	*	*	?	*	15분마다 실행
0/10	*	?	*	MON-FRI	*	월요일부터 금요일까지 10분마다 실행
0/5	8~17	?	*	MON-FRI	*	월요일부터 금요일까지 오전 8시부터 오후 5시 55분까지 5분 간격으로 실행 (+0) UTC
0/30	20-2	?	*	MON-FRI	*	시작 당일 오후 10시부터 다음 날 오전 2시까지 월요일부터 금요일까지 30분 간격으로 실행 () UTC 월요일 아침 12시부터 오전 2시까지 실행합니다 (). UTC

rate 표현식

값

양수.

unit

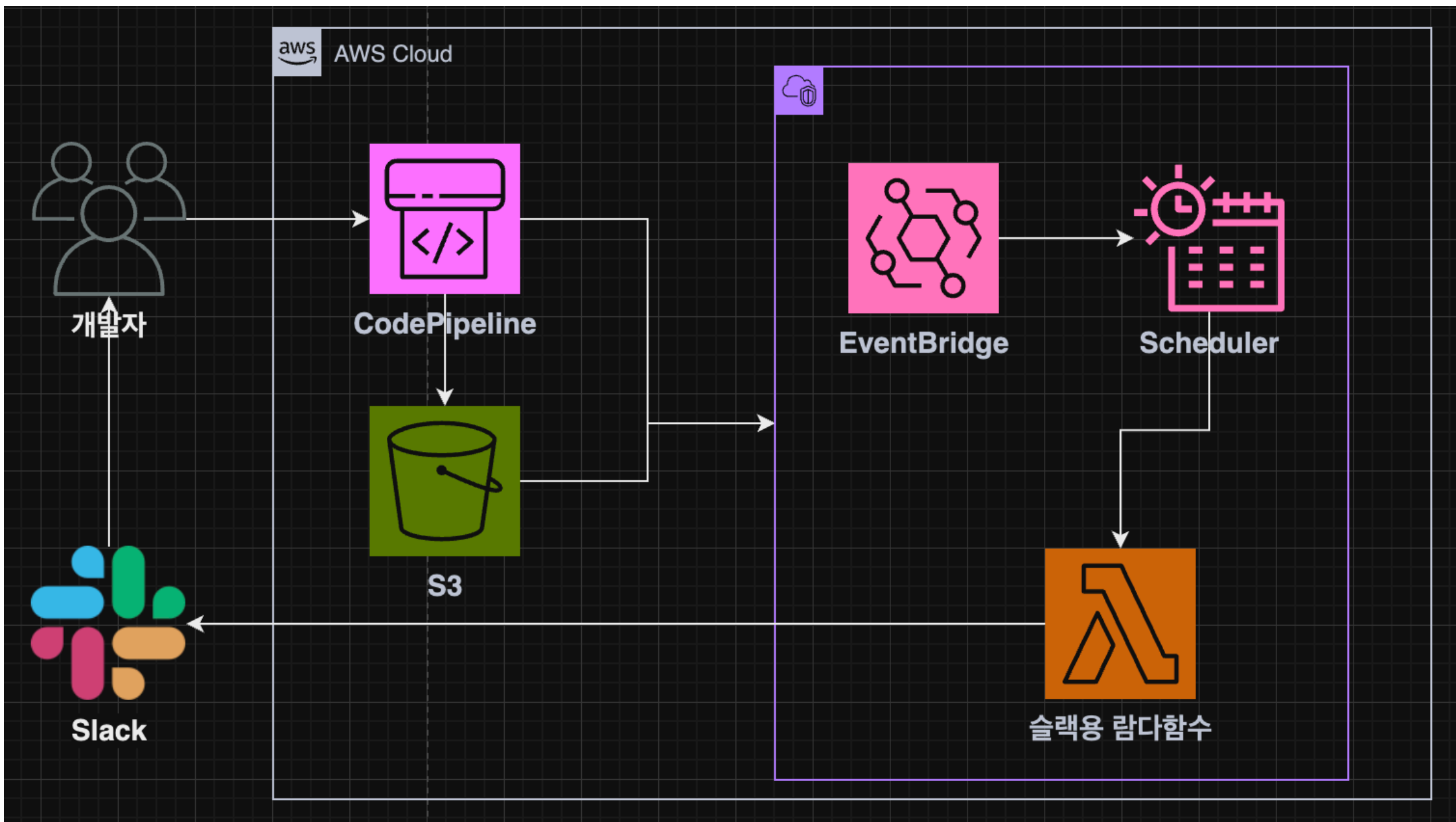
시간 단위. 1의 값(예: `minute`)과 1을 초과하는 값(예: `minutes`)은 서로 다른 단위가 필요합니다.

유효값: 분 | 분 | 시간 | 시간 | 일 | 일

제한 사항

값이 1과 같을 경우에는 단위가 단수여야 합니다. 값이 1보다 크면 단위는 복수여야 합니다. 예를 들어, `rate(1 hours)`와 `rate(5 hour)`는 잘못된 식이며, `rate(1 hour)`와 `rate(5 hours)`가 유효한 식입니다.

aws codepipeline



CodeBuild

단계1: CodeBuild 생성

The screenshot shows the AWS CodeBuild console interface. On the left, the 'Developer Tools' sidebar is open, with 'CodeBuild' selected. Under the 'Build' section, 'Build projects' is highlighted. In the main content area, the 'Build projects' page is displayed, featuring a search bar, a table of existing projects, and a 'Create project' button in the top right corner.

Developer Tools > CodeBuild > Build projects

Build projects Info

Actions ▼ Create trigger View details Start build ▼ **Create project**

Search: [] Your projects ▼ < 1 > ⚙

	Name	Source provider	Repository	Latest build status	Description	Last Modified
<input type="radio"/>	slack-eventbridge-build	GitHub	good593/course_aws	-	-	Just now

단계2: CodeBuild Role 권한 추가

Identity and Access Management (IAM)

Search IAM

Dashboard

▼ Access management

- User groups
- Users
- Roles**
- Policies
- Identity providers
- Account settings
- Root access management New

▼ Access reports

- Access Analyzer
 - External access
 - Unused access
 - Analyzer settings
- Credential report

codebuild-slack-eventbridge-build-service-role Info Delete Edit

Summary

Creation date
December 06, 2024, 14:09 (UTC+09:00)

ARN
 arn:aws:iam::426653742146:role/service-role/codebuild-slack-eventbridge-build-service-role

Last activity
-

Maximum session duration
1 hour

Permissions | Trust relationships | Tags | Last Accessed | Revoke sessions

Permissions policies (3) Info Refresh Simulate Remove Add permissions

You can attach up to 10 managed policies.

Search Filter by Type

<input type="checkbox"/>	Policy name	Type	Attached entities
<input type="checkbox"/>	AmazonS3FullAccess	AWS managed	3
<input type="checkbox"/>	CodeBuildBasePolicy-slack-eventbridge-build-a...	Customer managed	1

단계3: CodeBuild 실행

The screenshot displays the AWS CodeBuild console interface. On the left sidebar, under 'Developer Tools', 'CodeBuild' is selected. Below it, under 'Build', 'Build projects' is highlighted. The main panel shows the 'Build projects' page with a search bar and a table of build projects. A dropdown menu is open for the 'Start build' button, showing 'Start now' and 'Start with overrides' options. The table lists one project, 'slack-eventbridge-build', which has a 'Succeeded' status. Red arrows point to the 'CodeBuild' menu item, 'Build projects' in the sidebar, the 'Start now' button, and the 'Succeeded' status.

Developer Tools
CodeBuild

► Source • CodeCommit

▼ Build • CodeBuild

- Getting started
- Build projects**
- Build history
- Report groups

Developer Tools > CodeBuild > Build projects

Build projects Info

Actions ▼ Create trigger View details Start build ▲ Create project

Start now Start with overrides 1 > ⚙

	Name ▼	Source provider	Repository	Latest build status	Description	Last Modified
●	slack-eventbridge-build	GitHub	good593/course_aws	✓ Succeeded	-	5 minutes ago

CodePipeline

단계1: CodePipeline 생성 및 실행

Developer Tools **CodePipeline**

Developer Tools > CodePipeline > Pipelines > slack-eventdgc-pipeline

slack-eventdgc-pipeline

Pipeline type: V2 Execution mode: QUEUED

Buttons: Edit, Stop execution, Clone pipeline, Release change

Source Succeeded

Pipeline execution ID: f5df8814-1c70-4c10-a011-9551b8dbdc75

Source

[GitHub \(via GitHub App\)](#)

Succeeded - 3 minutes ago

[63f2d3e6](#)

View details

Progress bar: 3 green checkmarks

단계2: Cloudformation 확인

The screenshot displays the AWS CloudFormation console interface. On the left sidebar, the 'CloudFormation' menu is expanded, and 'Stack details' is selected. The main panel shows the 'Stacks (1)' section with a filter for 'Active' status. A single stack, 'slack-eventdgc-stack', is listed with a status of 'CREATE_COMPLETE' and a timestamp of '2024-12-06 14:19:48 UTC+0900'. The right panel shows the 'Events - updated' tab for the selected stack, displaying a table of events. The first event is a 'CREATE_COMPLETE' event for the 'slack-eventdgc-stack' at the same timestamp.

CloudFormation > Stacks > slack-eventdgc-stack

Stacks (1)

Filter status: Active

View nested

Stacks

- slack-eventdgc-stack
2024-12-06 14:19:48 UTC+0900
CREATE_COMPLETE

slack-eventdgc-stack

Stack info | **Events - updated** | Resources | Outputs | Parameters | Template

Table view | Timeline view - new

Events (28)

Search events

Timestamp	Logical ID	Status	Detailed status
2024-12-06 14:21:23 UTC+0900	slack-eventdgc-stack	CREATE_COMPLETE	-

단계3: EventBridge 확인

The screenshot displays the Amazon EventBridge console interface. On the left sidebar, the 'Rules' link is highlighted under the 'Buses' section. The main content area is titled 'Rules' and includes a description: 'A rule watches for specific types of events. When a matching event occurs, the event is routed to the targets associated with the rule. A rule can be associated with one or more targets.'

Below the description, there is a 'Select event bus' section with a dropdown menu showing 'default'. Further down, the 'Rules (1)' section contains a table of rules. The table has columns for Name, Status, Type, ARN, and Description. One rule is listed: 'DEV-sns-slack-events-rules', which is 'Enabled' and of type 'Scheduled Standard'. The ARN is 'arn:aws:events:ap-northeast-1:123456789012:rule/DEV-sns-slack-events-rules' and the description is 'EventBridge Schedule Sample'.

Name	Status	Type	ARN	Description
DEV-sns-slack-events-rules	Enabled	Scheduled Standard	arn:aws:events:ap-northeast-1:123456789012:rule/DEV-sns-slack-events-rules	EventBridge Schedule Sample

Amazon EventBridge <

Dashboard [New](#)

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Sandbox

Quick starts

▼ Buses

Event buses

[Rules](#)

Global endpoints

Archives

Replays

▼ Pipes

Pipes

▼ Scheduler

Schedules

Schedule groups

DEV-sns-slack-events-rules

EditDisableDeleteCloudFo

Rule details [Info](#)

Rule name

DEV-sns-slack-events-rules


Description

EventBridge Schedule Sample

Status

✔ Enabled


Rule ARN

 arn:aws:events:ap-northeast-2:426[redacted]:rule/DEV-sns-slack-events-rules

Event bus name

default

Event bus ARN

 arn:aws:events:ap-northeast-2:426[redacted]:event-bus/default

Type

Scheduled Standard

Event schedule

Targets

Monitoring

Tags

Event schedule [Info](#)

Cron expression

0/1 * * * ? *

Next 10 trigger date(s)

UTC

Fri, 06 Dec 2024 05:48:00 UTC

Fri, 06 Dec 2024 05:49:00 UTC

Slack 확인(5분정도 확인)

The screenshot displays the Slack workspace interface. On the left sidebar, the channel list includes #알람, which is highlighted with a red arrow. The main content area shows the #알람 channel with a message from '아라아빠' and a message from 'aws-slackbot DEV' with 2 replies. A red arrow points to the '2개의 댓글' (2 replies) link. On the right, a thread view for the 'aws-slackbot DEV' message is shown, with two red arrows pointing to the message content. The thread includes a 'google 접속' button. The bottom of the interface shows the message input area with various formatting options.

AS aws-sl... 플랜 업그레이드

홈

DM

내 활동

더 보기

스레드

허들

초안 및 전송됨

채널

알람

오류

일반

backtesting

studytest

upbit

알람

메시지 캔버스 추가

12월 3일 화요일

아라아빠 오전 8:45

#알람에 참여했습니다. 또한 aws-slackbot 님이 참여했습니다.

오늘

aws-slackbot DEV 오후 2:56

개발용입니다.

2개의 댓글

aws-slackbot DEV 1분 전

DEV의 스레드 메시지입니다.

DEV의 스레드 메시지입니다.

google 접속

google 접속

B I S | | | | | </>

댓글 남기기...

알람(으)로도 전송