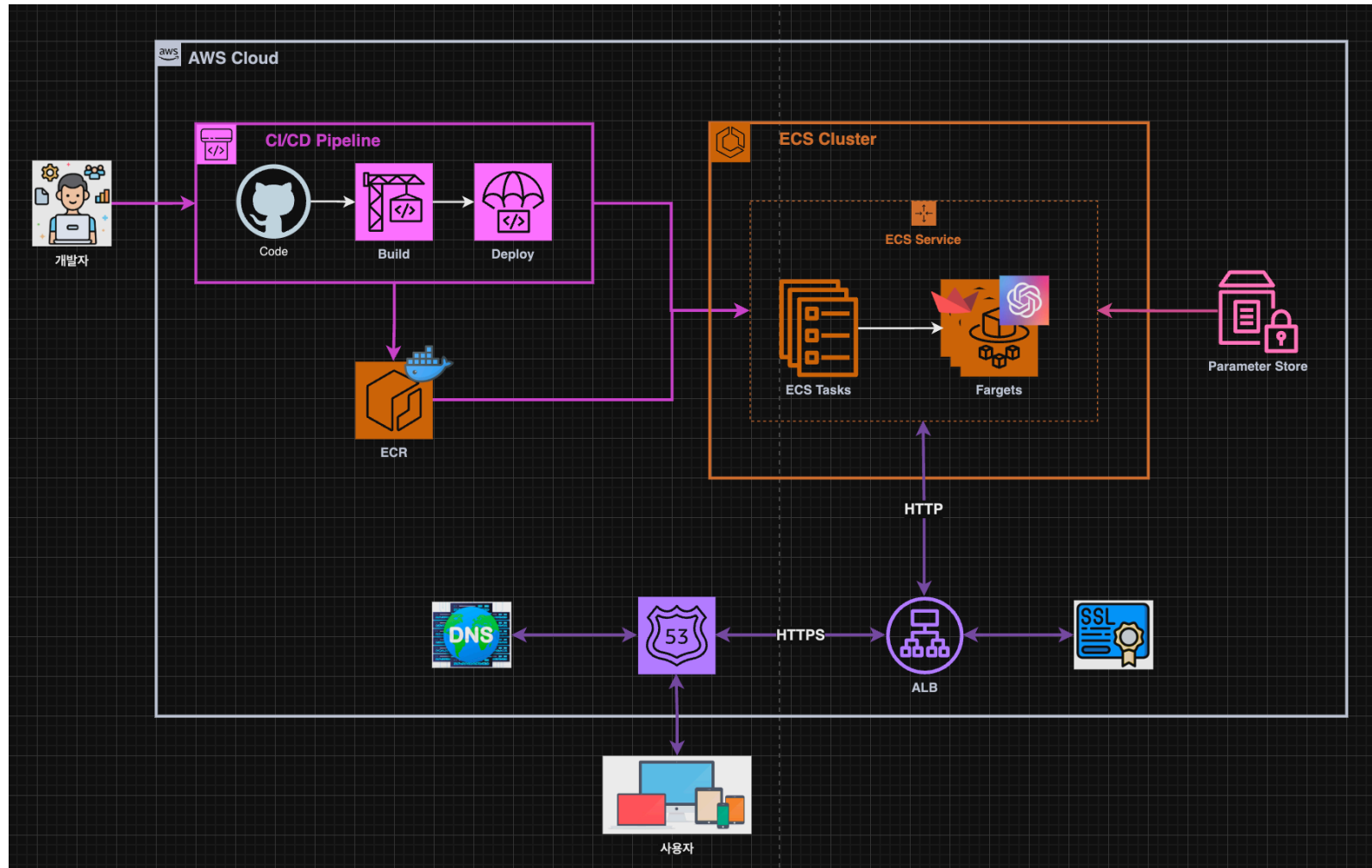


Architecture



SSL/TLS 인증서

- SSL/TLS 인증서는 웹 사이트 사용자 간에 신뢰 관계를 설정합니다.
- 기업은 웹 서버에 SSL/TLS 인증서를 설치하여 SSL/TLS 보안 웹 사이트를 만듭니다.



SSL/TLS 인증서가 중요한 이유

개인 데이터 보호

- 브라우저는 웹 사이트의 SSL/TLS 인증서를 확인하여 웹 사이트 서버와의 보안 연결을 시작하고 유지합니다.

고객 신뢰 강화

- SSL/TLS 보호를 통해 고객은 데이터를 비즈니스와 공유할 때 데이터가 보호되고 있음을 알 수 있습니다.

규제 준수 지원

- PCI DSS는 SSL/TLS 인증서로 웹 서버를 보호하는 것을 포함하여 안전한 온라인 트랜잭션을 제공하기 위한 업계 요구 사항입니다.

SEO 개선

- SSL/TLS 보안 웹 사이트는 SSL/TLS 인증서가 없는 유사한 웹 사이트보다 검색 엔진에서 더 높은 순위를 차지할 것입니다.

AWS Certificate Manager

단계1: Certificate Manager 접속

The screenshot displays the AWS Management Console interface. At the top, the AWS logo and 'Services' menu are visible. A search bar contains the text 'ACM-PCA'. Below the search bar, the left sidebar shows the 'AWS Certificate Manager (ACM)' section with links to 'List certificates', 'Request certificate', 'Import certificate', and 'AWS Private CA'. The main content area shows search results for 'ACM'. A red arrow points from the 'Resources' link in the left sidebar to the 'Certificate Manager' service card in the search results. The 'Certificate Manager' card is highlighted and includes a star icon. The search results also list 'AWS Private Certificate Authority' and 'Secrets Manager'.

Search results for 'ACM'

Services [Show more ▶](#)

- AWS Private Certificate Authority** ☆
Managed private certificate authority service
- Certificate Manager** ☆
Provision, Manage, and Deploy SSL/TLS Certificates
- Secrets Manager** ☆

단계2: Request certificate

AWS Certificate Manager (ACM)

List certificates

Request certificate

Import certificate

AWS Private CA

AWS Certificate Manager > Certificates

Certificates (0)



Delete

Manage expiry events

Import

Request

< 1 > ⚙



Certificate ID

Domain name



Type



Status



There are no certificates in your account.

There are no certificates in your account.

단계3: Certificate type

Certificate type [Info](#)


ACM certificates can be used to establish secure communications access across the internet or within an internal network. Choose the type of certificate for ACM to provide.

☒ Request a public certificate

Request a public SSL/TLS certificate from Amazon. By default, public certificates are trusted by browsers and operating systems.

☐ Request a private certificate

No private CAs available for issuance.

Requesting a private certificate requires the creation of a private certificate authority (CA). To create a private CA, visit [AWS Private Certificate Authority](#) 

Cancel

Next

단계4: Domain names

- 본인이 SSL을 설치하고자 하는 도메인을 등록합니다. (여기서 도메인을 사는건 아닙니다.)
- 아래와 같이 *.aaa.com 식으로 등록하면 *로 인해 하위 도메인들이 모두 사용할 수 있는 인증서가 됩니다. (www.aaa.com, admin.aaa.com 등등이 하위 도메인입니다.)

Domain names

Provide one or more domain names for your certificate.

Fully qualified domain name [Info](#)

*.good593.click

Remove

good593.click

Remove

Add another name to this certificate

You can add additional names to this certificate. For example, if you're requesting a certificate for "www.example.com", you might want to add the name "example.com" so that customers can reach your site by either name.

단계5: Validation method

Validation method [Info](#)

Select a method for validating domain ownership.

☒ **DNS validation - recommended**

Choose this option if you are authorized to modify the DNS configuration for the domains in your certificate request.

☐ **Email validation**

Choose this option if you do not have permission or cannot obtain permission to modify the DNS configuration for the domains in your certificate request.

단계6: Request

Key algorithm [Info](#)

Select an encryption algorithm. Some algorithms may not be supported by all AWS services.

☒ **RSA 2048**
RSA is the most widely used key type.

☐ **ECDSA P 256**
Equivalent in cryptographic strength to RSA 3072.

☐ **ECDSA P 384**
Equivalent in cryptographic strength to RSA 7680.

Tags [Info](#)

No tags associated with the resource.

Add new tag

You can add up to 50 tags.

Cancel

Previous

Request

단계7: Pending validation(검증보류) > 선택

AWS Certificate Manager (ACM) ×

[List certificates](#)
Request certificate
Import certificate
AWS Private CA [↗](#)






[AWS Certificate Manager](#) > Certificates

Certificates (1) ↻ Delete Manage expiry events Import Request

< **1** > ⚙

<input type="checkbox"/>	Certificate ID	Domain name	Type	Status	In use	Renew eligib
<input type="checkbox"/>	dc70df6b-8312-4cc5-84b6-e9860a957aec	*.good593.click	Amazon Issued	⌚ Pending validation	No	Inelig


단계8: Create records in Route 53


Domains (2)				
<div>Create records in Route 53</div> <div>Export to CSV </div>				
<div>< 1 ></div>				
Domain	Status	Renewal status	Type	CNAME name
*.good593.click	 Pending validation	-	CNAME	 _7695726242fa492b180fd09e7c37d
good593.click	 Pending validation	-	CNAME	 _7695726242fa492b180fd09e7c37d


Create DNS records in Amazon Route 53 (2/2)

 Search domains

2 matches



Validation status = Pending validation 

Validation status = Failed 

Is domain in Route 53? = Yes 

Clear filters

< 1 >

<input checked="" type="checkbox"/>	Domain	Validation status	Is domain in Route 53?
<input checked="" type="checkbox"/>	*.good593.click	 Pending validation	Yes
<input checked="" type="checkbox"/>	good593.click	 Pending validation	Yes

Cancel

Create records

단계9: 생성확인 > Route 53

Route 53

Dashboard

Hosted zones

Health checks

Profiles [New](#)

▶ IP-based routing

▶ Traffic flow

▶ Domains

▶ Resolver

DNS Firewall [↗](#)

Application Recovery Controller [↗](#)

Route 53 > Hosted zones > good593.click

Public

good593.click

Info

Delete zoneTest recordConfigure query logging

▶ Hosted zone details

Edit hosted zone

Records (4)DNSSEC signingHosted zone tags (0)

Records (4) Info

↻Delete recordImport zone fileCreate record

Automatic mode is the current search behavior optimized for best filter results. [To change modes go to settings.](#)

Type ▼Routing policy ▼Alias ▼< 1 > ⚙

<input type="checkbox"/>	Record name ▼	Type ▼	Routing policy ▼	Differ... ▼	Alias ▼	Value/Route traffic to ▼	TTL (s... ▼	Health ... ▼	Eval
<input type="checkbox"/>	good593.click	NS	Simple	-	No	ns-1671.awsdns-16.co.uk. ns-1337.awsdns-39.org. ns-335.awsdns-41.com. ns-554.awsdns-05.net.	172800	-	-
<input type="checkbox"/>	good593.click	SOA	Simple	-	No	ns-1671.awsdns-16.co.uk. a...	900	-	-
<input type="checkbox"/>	_7695726242fa49...	CNAME	Simple	-	No	_b80ad90e04242ef7d9786d...	300	-	-
<input type="checkbox"/>	www.good593.click	A	Simple	-	No	43.203.119.60	60	-	-

단계10: 생성확인 > ACM

AWS Certificate Manager (ACM)

[List certificates](#)

[Request certificate](#)

[Import certificate](#)

[AWS Private CA](#)

[AWS Certificate Manager](#) > Certificates

Certificates (1)



Delete

Manage expiry events

Import

Request

< 1 > ⚙

<input type="checkbox"/>	Certificate ID	Domain name	Type	Status	In use	Renewal status
<input type="checkbox"/>	dc70df6b-8312-4cc5-84b6-e9860a957aec	*.good593.click	Amazon Issued	Issued	No	Ineligible