

AWS CloudFront

What is CloudFront?

CloudFront is the Content Delivery Network (CDN) of AWS. Basically, it is a globally distributed network located on different geographical places. The aim of this service is to provide faster distribution to the dynamic or the static web contents. World-wide distributed data centers which are called edge locations are the backbone of CloudFront.

<https://aws.amazon.com/tr/cloudfront/>

Amazon CloudFront; veri, video, uygulama ve API'lerinizi dünyanın farklı yerlerindeki müşterilerinize düşük gecikme süresi ve yüksek aktarım hızlarıyla güvenli bir şekilde ulaştırır ve yazılım geliştiriciler için kullanım kolaylığı sunan hızlı bir içerik teslim ağı (CDN) hizmetidir.

CloudFront, ağ ve uygulama katmanına yönelik DDoS saldırıları dâhil birden fazla saldırı türüne karşı korunmak için AWS Shield, AWS Web Application Firewall ve Amazon Route 53 ile sorunsuz bir şekilde entegre olan alan düzeyi şifreleme ve HTTPS desteği de dâhil olmak üzere en gelişmiş güvenlik özelliklerini sunar. Bu hizmetler, kullanıcılarınıza daha güvenli, performanslı ve erişilebilir deneyim sunan küresel olarak ölçeklenmiş ve AWS ağ omurgası aracılığıyla bağlanan uç ağ konumlarında birlikte bulunur.

CloudFront, Amazon S3, Amazon EC2, Elastic Load Balancing gibi herhangi bir AWS kaynağıyla veya özel HTTP kaynağıyla sorunsuz bir şekilde çalışır. Güvenli ve programlanabilir bir uç işlemi özelliği olan CloudFront Functions ve AWS Lambda@Edge'i kullanarak CloudFront ile içerik tesliminizi özelleştirebilirsiniz.

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CloudFront

What is CloudFront?



- CloudFront is the **Content Delivery Network (CDN)** of AWS.
- Basically, it is a globally distributed network located on different geographical places.

Bizim kaynaklarımız var ve web sitesi sunuyoruz ve sunma işlemi için her zaman kaynağa gitmemiz gerekmektedir ve latency e sebep olmaktadır. Farklı coğrafi bölgelerdeki dağıtımdan bahsedebiliriz

Amazon CloudFront, uygulamalarımız için hızlı, güvenli ve programlanabilir CDN (Content Delivery Network) hizmeti sunmaktadır.

CDN, bir web sitesinin içeriğini en düşük ağ ve işlem gecikmesi ile yani en hızlı bir şekilde kullanıcılara ulaştırmak üzere coğrafi olarak farklı bölgelerde konumlandırılmış sunucu kümesine verilen isimdir.

Elbette kendimiz de standart bir sunucu ya da sunucular kiralayıp, CDN hizmetini kendimiz de yapılandırabiliriz. Ancak yükümüz arttığında daha çok sunucu kiralamalı ve daha sunucuların yönetimleriyle daha çok ilgilenmeliyiz. Bu da bize maliyet olarak yansıyacaktır.

Bir başka önemli konu ise uygulamamızın yükünün her zaman aynı olmayacağıdır. Örneğin mesai saatleri içerisinde daha yoğun istek alabilirsiniz. Eğer bir e-ticaret uygulamanız varsa Black Friday gibi indirim günlerinde normalin üzerinde istek almanız kuvvetle muhtemeldir. Eğer CDN sunucularımızı kendimiz yönetiyor olsaydık, maliyetlerimizi minimal tutmak için çok ciddi eforlar sarf etmemiz gerekecekti. Amazon CloudFront bizi tüm bu dertlerden kurtarmaktadır.

CloudFront

What is CloudFront?



- The aim of this service is to **provide faster distribution** to the dynamic or the static web contents.
- World-wide distributed data centers which are called **edge locations** are the backbone of CloudFront.

Region, AZ ve edge location var
Aws yukaridakilerden bagimsiz olarak daha hizli bir sekilde
ulasabilmesi icin kullanilan farkli bir servis

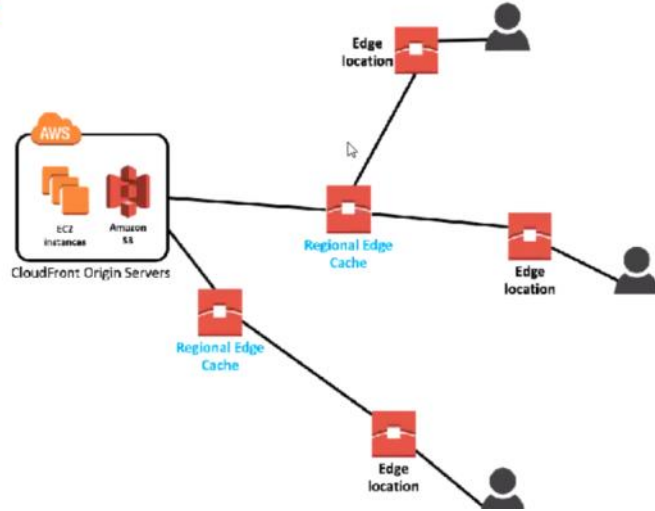
Region ve Az de calismiyor
Edge location larda calismaktadir. Caching mekanizmasi islemektedir.
Global bir servistir.
Afrika daki Irlanda ya baglanmak istese islem yavas olmaktadır.
Cashlenmis veri daha hizli ulasmaktadir

CloudFront

CloudFront Infrastructure

- AWS CloudFront has a world-wide network of **230+*** Points of Presence (PoP):
 - **218+ Edge Locations**
 - **13 Regional Edge Caches**

*as of August 2021.



Veriler REC(Regional Edge Cache) de veya EL (Edge Location) de tutularak daha hizli sunum saglanmaktadır.

AZ gibi degil 230 dan fazla yerde yer almaktadır.
Fiziksel olarak da serverlar bulunmaktadır.

CloudFront

CloudFront Infrastructure



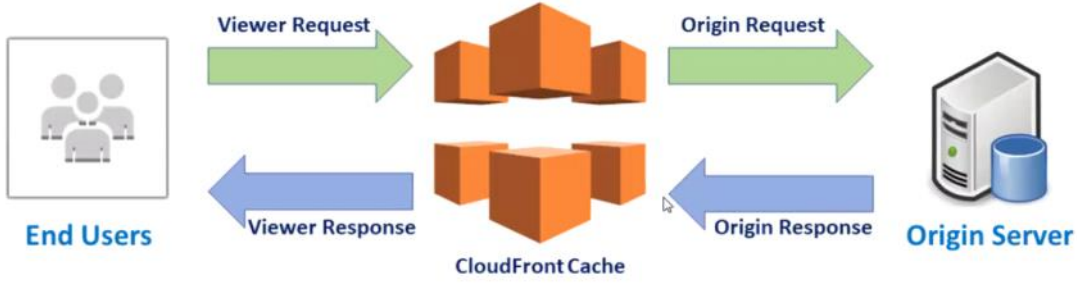
[The Amazon CloudFront Global Edge Network](#)

AWS CloudFront has a world-wide network of 225+ Points of Presence (PoP) consisting of 215+ Edge Locations and 12 Regional Mid-tier Caches. These facilities are spread over 89 cities across 46 countries (March 2021). The image above shows The Amazon CloudFront Global Edge Network.

AZ ve Region mimarisinden farkli bir mimaridir

CloudFront

How does it work?



When a request is sent from an end user to the origin server, this request has to travel through the entire connecting network from the user's computer to the origin server. The response of the origin server (i.e. image.png) has to cover the same distance back to the user's computer as well.

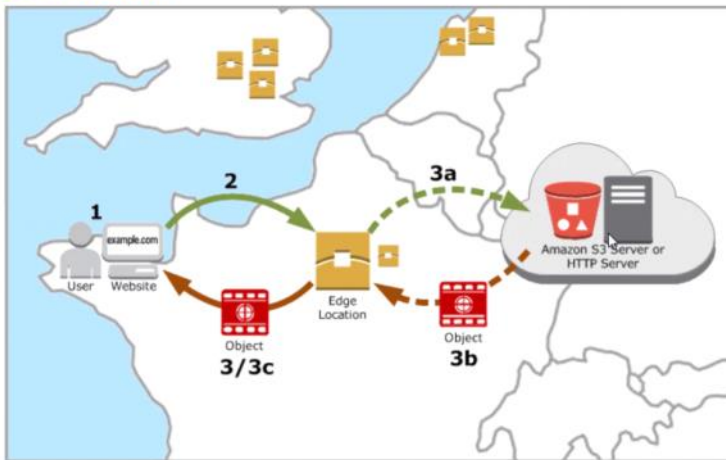
Considering the vast number of users in a region trying to fetch/send data from/to servers in different regions, this process inevitably causes latency and redundant traffic.

CloudFront's world-wide distributed edge locations cache requested data and deliver it to the end users without the necessity of going back and forth between users and servers.

Temel olarak dosyalarımızı bir kaynağa koymamız gerekmektedir. Daha sonra Amazon CloudFront bu kaynaktaki dosyaları, farklı lokasyonlardaki sunuculara yerleştirir ve bir domain üzerinden son kullanıcıya sunmaya başlar. Siz yeni dosyalar ekledikçe ya da dosyalarınızı güncelledikçe, bu dosyaları ilgili lokasyonlarda günceller. İstek yapan kullanıcının lokasyonuna göre en hızlı yanıt verebilecek sunucu yanıt döner. Ne kadar çok istek alırsanız alın, Amazon sizin için yanıt verme işlemini otomatik olarak gerçekleştirir. Bunun yanında oldukça kullanışlı bir Cache mekanizması da sunmaktadır.

Tüm bunların karşılığında gerçekleştirilen istek başına bir ücret talep etmektedir.

How does it work?



Bilgiler static ve dinamic bir bilgi olabilir. Akis verileri de olabilir.

Accessing CloudFront

AWS enables you to access CloudFront via:

- **AWS Management Console:** You can use Management Console to easily access CloudFront like many other

services.

- **AWS Command Line Interface:** You can use also CLI to access CloudFront. Please check this link if you need more information about [AWS CLI](#).
- **AWS Tools for Windows PowerShell:** As well as CLI, AWS lets you access CloudFront using Windows PowerShell. Here is the link for more information about [AWS Tools for Windows PowerShell](#).
- **AWS SDKs:** You can use SDKs to access CloudFront. AWS provides SDKs for many programming languages. To see these SDKs and programming languages check [Tools for Amazon Web Services](#).
- **CloudFront API:** If you can't find an SDK which AWS provides for your programming language, see [Amazon CloudFront API Reference](#) for information about making API requests and API actions.

CloudFront

Pricing

Free Tier

50 GB OF DATA TRANSFER OUT

12 months free

2,000,000 HTTP OR HTTPS REQUESTS

Each month for one year

On-demand

Amazon CloudFront charges are based on actual usage of the service in four areas:

- DATA TRANSFER OUT (INTERNET/ORIGIN)
- HTTP/HTTPS REQUESTS
- INVALIDATION REQUESTS
- FIELD LEVEL ENCRYPTION REQUESTS
- DEDICATED IP CUSTOM SSL CERTIFICATES ASSOCIATED WITH A CLOUDFRONT DISTRIBUTION

Discounted Pricing

For customers who are willing to make certain minimum traffic commits (typically 10 TB/month or higher)

[CONTACT US](#)

AWS serverdan cikan ve saklanan, kullanicuya ulastirilan datadan bahsedilmektedir.

Yon kaynaktan kullaniciya dogru ==> cloudfronttan cikan data miktarı

AWS Free Tier

50 GB of data transfer out
2,000,000 HTTP or HTTPS requests
2,000,000 CloudFront Function invocations
Each month for one year

Pricing (US)

10 TB/month	\$0.085 per GB
HTTP requests	\$0.0075 per 10,000
HTTPS requests	\$0.0100 per 10,000

Customers willing to commit to 10 TB+/month are eligible for discounted pricing. [See pricing](#)

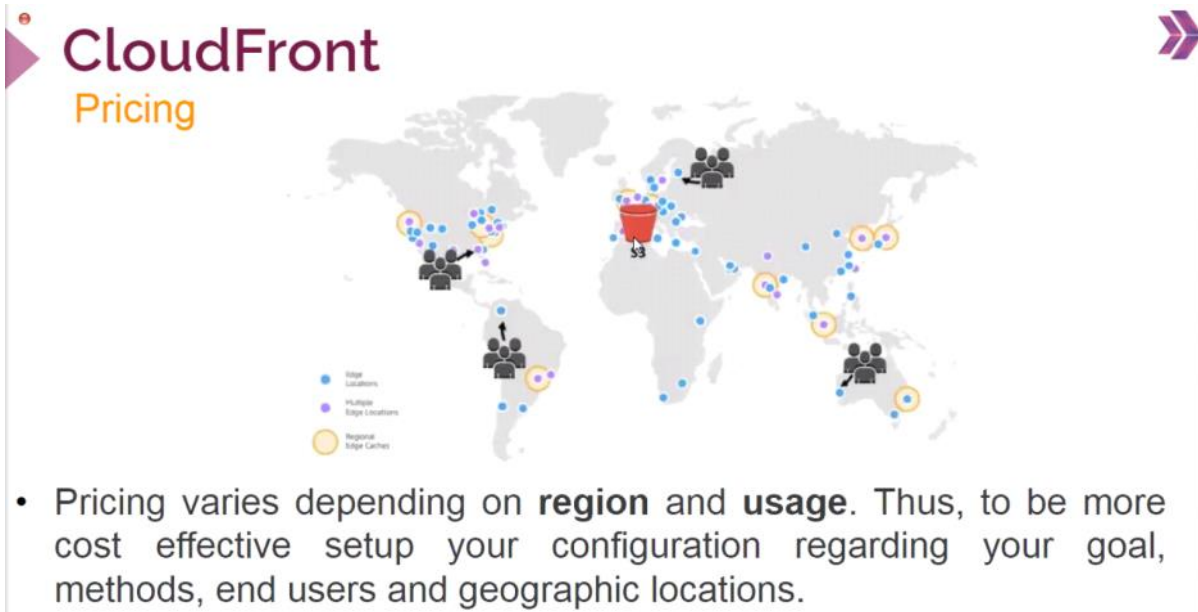
[↗](#)

You pay for:

- Data Transfer Out to Internet.
- Data Transfer Out to Origin.
- Number of HTTP/HTTPS Requests.
- Invalidation Requests.
- Dedicated IP Custom SSL.
- Field level encryption requests.

You do not pay for:

- Data transfer between AWS regions and CloudFront.
- Regional edge cache.
- AWS ACM SSL/TLS certificates.
- Shared CloudFront certificates.

The graphic features the title 'CloudFront Pricing' in a large, bold, purple font. Below the title is a world map with various icons representing different CloudFront features: blue dots for 'Edge Locations', purple dots for 'Multiple Edge Locations', yellow circles for 'Regional Edge Caches', and a red bucket icon labeled 'S3' representing the origin. A legend in the bottom left corner identifies these icons. The entire graphic is framed by a thin purple border with a double arrow icon on the right side.

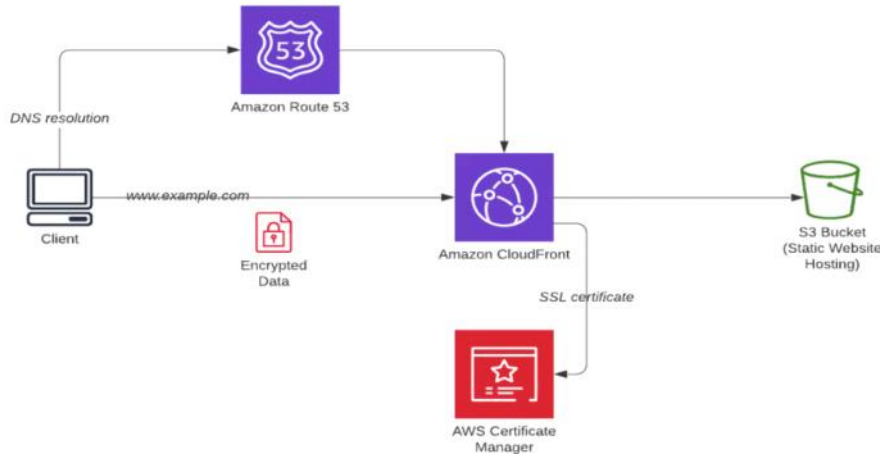
- Pricing varies depending on **region** and **usage**. Thus, to be more cost effective setup your configuration regarding your goal, methods, end users and geographic locations.

[AWS CloudFront Pricing](#)

You can also estimate your monthly bill using the [AWS Simple Monthly Calculator](#).

CloudFront

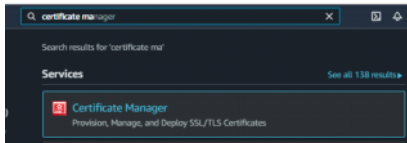
Hands on Scenario



S3 bucket da bir static website host edecegiz
Onceden dogrudan ulasabiliyorduk ama simdi cloudfront u cashlemesi
icin oneune koyacagiz
Daha sonra secure hale getirecegiz
Amazon cloudfront dan bir endpoint almis olacagiz
Baglantiyi normalde secure/unsecure olusturabiliriz

Sertifikalari ec2 larda da kullanabiliriz ama AWS nin verdigi
sertifikayi bu maksatla kullanamayiz.

Client artik s3 e ulasmaya calismayacak s3 un front daki resourcesine
ulasmaya calisacak



Provide the name of your site, establish your identity, and let ACM do the rest. ACM manages renewal of SSL/TLS certificates issued by Amazon or by your own private Certificate Authority.

[Get started](#)

Choose Import a certificate to import an existing certificate instead of requesting a new one. [Learn more](#)

[Import a certificate](#)

Request a certificate

Choose the type of certificate for ACM to provide.

- ☒ Request a public certificate - Request a public certificate from Amazon. By default, public certificates are trusted by browsers and operating systems. [Learn more](#)
- ☐ Request a private certificate - No Private CAs available for issuance. [Learn more](#)

[Cancel](#)

[Request a certificate](#)

Daha once aldigimiz domain name yi yazalim.

Request a certificate

- Step 1: Add domain names
- Step 2: Select validation method
- Step 3: Add tags
- Step 4: Review
- Step 5: Validation

AWS Certificate Manager logs domain names from your certificates into public certificate transparency (CT) logs when renewing certificates. You can opt out of CT logging. [Learn more](#)

You can use AWS Certificate Manager certificates with other [AWS Services](#).

Add domain names

Type the fully qualified domain name of the site you want to secure with an SSL/TLS certificate (for example, `www.example.com`). Use an asterisk (*) to request a wildcard certificate to protect several sites in the same domain. For example, `*.example.com` protects `www.example.com`, `site.example.com` and `images.example.com`.

Domain name*

*At least one domain name is required.

*.abduhamidgokce.com

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. [Learn more](#)

Cancel Next

Request a certificate

- Step 1: Add domain names
- Step 2: Select validation method
- Step 3: Add tags
- Step 4: Review
- Step 5: Validation

Select validation method

Choose how AWS Certificate Manager (ACM) validates your certificate request. Before we issue your certificate, we need to validate that you own or control the domains for which you are requesting the certificate. ACM can validate ownership by using DNS or by sending email to the contact addresses of the domain owner.

☒ DNS validation

Choose this option if you have or can obtain permission to modify the DNS configuration for the domains in your certificate request. [Learn more](#)

☐ 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. [Learn more](#)

Cancel Previous Next

Request a certificate

- Step 1: Add domain names
- Step 2: Select validation method
- Step 3: Add tags
- Step 4: Review
- Step 5: Validation

Add tags

To help you manage your certificates you can optionally assign your own metadata to each resource in the form of tags. [Learn more](#)

Tag Name	Value
<input type="text" value="Tag Name"/>	<input type="text" value="Value"/>

Add Tag

Cancel Previous Review

Request a certificate

- Step 1: Add domain names
- Step 2: Select validation method
- Step 3: Add tags
- Step 4: Review
- Step 5: Validation

Review

Review your choices.

Domain name

The name you want to secure with an SSL/TLS certificate.

Domain name *.abduhamidgokce.com

Validation method

The method AWS uses to validate your certificate request.

Validation method DNS

Cancel Previous Confirm and request

Request a certificate

- Step 1: Add domain names
- Step 2: Select validation method
- Step 3: Add tags
- Step 4: Review
- Step 5: Validation

Request in progress

A certificate request with a status of Pending validation has been created. Further action is needed to complete the validation and approval of the certificate.

Validation

Create a CHAME record in the DNS configuration for each of the domains listed below. You must complete this step before AWS Certificate Manager (ACM) can issue your certificate, but you can skip this step for now by clicking Continue. To return to this step later, open the certificate request in the ACM Console.

Domain	Validation status
*.abduhamidgokce.com	Pending validation

[Export DNS configuration to a file](#) Unable to export CHAME records

Continue

Domain	Validation status
*.abduhamidgokce.com	Pending validation

Add the following CHAME record to the DNS configuration for your domain. The procedure for adding CHAME records depends on your DNS service Provider. [Learn more](#)

Name	Type	Value
_444c46748e5ac23413156eae28055.abduhamidgokce.com	CHAME	_7b50071632333db03420643ad0ae788.crtfypdtk.acm-validations.aws.

Note: Changing the DNS configuration allows ACM to issue certificates for this domain name for as long as the DNS record exists. You can revoke permission at any time by removing the record. [Learn more](#)

[Create record in Route 53](#) Amazon Route 53 DNS Customers ACM can update your DNS configuration for you. [Learn more](#)

[Export DNS configuration to a file](#) You can export all of the CHAME records to a file

Bizden yukarida bir seyler beklenmektedir. Eger biz sertifika kullanacaksak route53 de cname olusturmamiz gerekmektedir.

Biz AWS k

Create record in Route 53

Create record in Route 53

Below is your DNS record for domain validation. Click Create below to create the records in your Route 53 hosted zone

Hosted zone: abduhamidgokce.com

Name	Type	Value
_544c46745e6ac923413136efa28955.abduhamidgokce.com	CHAME	_7b5007163233d3d03420643ad788.cvfdyapdk.acm-validations.aws.

[Cancel](#) [Create](#)

Request in progress
A certificate request with a status of Pending validation has been created. Further action is needed to complete the validation and approval of the certificate.

Validation

Create a CHAME record in the DNS configuration for each of the domains listed below. You must complete this step before AWS Certificate Manager (ACM) can issue your certificate, but you can skip this step for now by clicking Continue. To return to this step later, open the certificate request in the ACM Console.

Domain	Validation status
*.abduhamidgokce.com	Pending validation

Add the following CHAME record to the DNS configuration for your domain. The procedure for adding CHAME records depends on your DNS service Provider. [Learn more](#)

Name	Type	Value
_544c46745e6ac923413136efa28955.abduhamidgokce.com	CHAME	_7b5007163233d3d03420643ad788.cvfdyapdk.acm-validations.aws.

Note: Changing the DNS configuration allows ACM to issue certificates for this domain name for as long as the DNS record exists. You can revoke permission at any time by removing the record. [Learn more](#)

[Create record in Route 53](#) Amazon Route 53 DNS Customers ACM can update your DNS configuration for you. [Learn more](#)

Success
The DNS record was written to your Route 53 hosted zone. It may take up to 30 minutes for the changes to propagate, and for AWS to validate the domain.

[Export DNS configuration to a file](#) You can export all of the CHAME records to a file.

[Continue](#)

Certificates

AWS Certificate Manager logs domain names from your certificates into public certificate transparency (CT) logs when renewing certificates. You can opt out of CT logging. [Learn more](#)

[Request a certificate](#) [Import a certificate](#) Actions Manage certificate events

Viewing certificates 1 to 2

Name	Domain name	Additional names	Status	Type	In use?	Renewal eligibility
	*.abduhamidgokce.com		Issued	Amazon Issued	No	Ineligible

Status

Status: Issued
Detailed status: The certificate was issued at 2021-08-09T17:49:30UTC

Domain	Validation status
*.abduhamidgokce.com	Success

[Export DNS configuration to a file](#) You can export all of the CHAME records to a file.

Details

Type	Amazon Issued	Requested at	2021-08-09T17:49:15UTC
In use?	No	Issued at	2021-08-09T17:49:30UTC
Domain name	*.abduhamidgokce.com	Not before	2021-08-09T00:00:00UTC
Number of additional names	0	Not after	2022-08-07T23:59:59UTC
Identifier	205cd87-8504-478-a095-3a5c5b0c1b69	Public key info	RSA 2048-bit
Serial number	06 61 f0 da ca 58 73 ba 9e 4b ef 33 f 9 fa 13 31	Signature algorithm	SHA256WITHRSA
		ARN	arn:aws:acm:us-east-1:000667829202:certificate/2c58c35-7-8504-478-a095-3a5c5b0c1b69
		Validation state	None

Tags

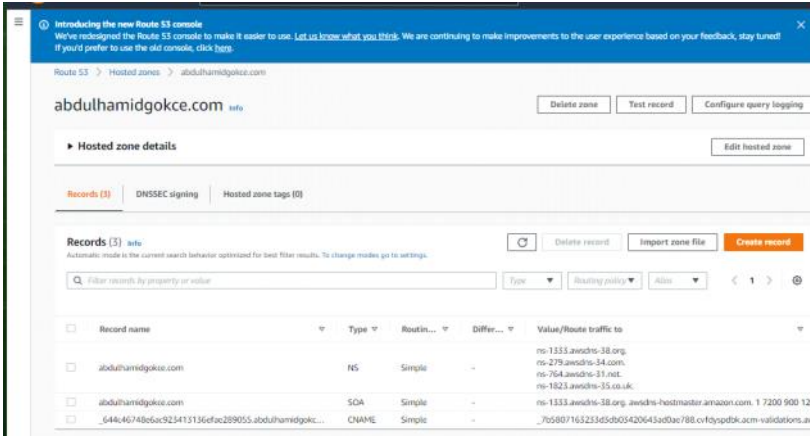
[Edit](#)

Name

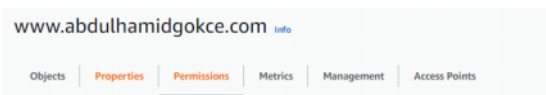
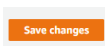
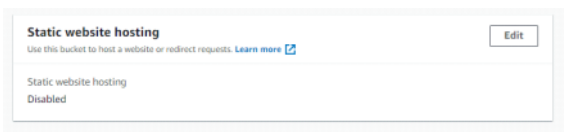
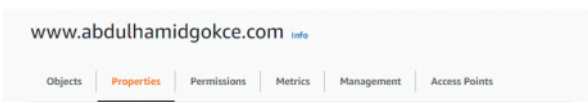
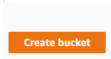
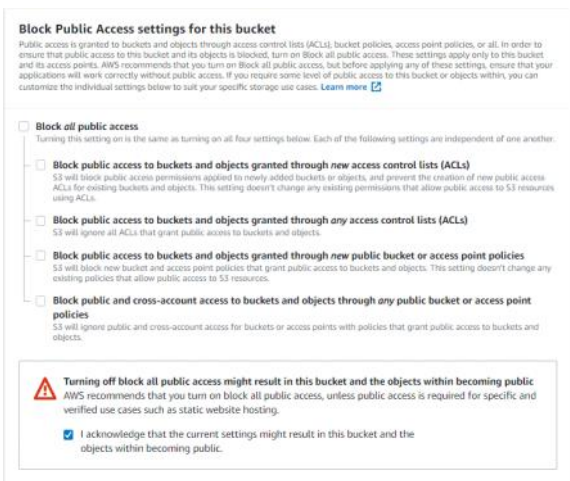
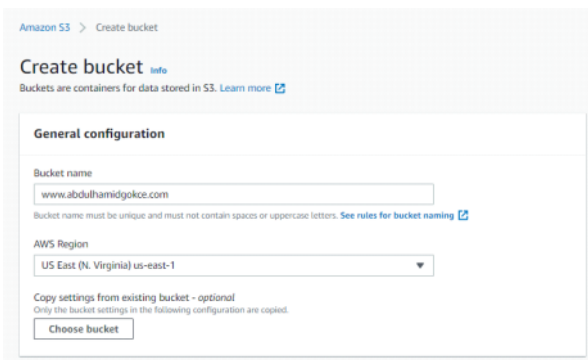
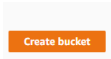
[Export DNS configuration to a file](#) You can export all of the CHAME records to a file.

Viewing certificates 1 to 2

Olusturdugumuz sertifika route 53 sayfasinda gorunecektir



Cloudfront da cashleme yapabilmemiz için kaynaga ihtiyacımız var
Bugün için s3 bucket da static website hosting kaynagi olusturacagiz



policy ekliyoruz

Edit bucket policy [Info](#)

Bucket policy
The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

[Policy examples](#) [Policy generator](#)

Bucket ARN
`arn:aws:s3:::www.abdulhamidgokce.com`

Policy

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Sid": "PublicReadGetObject",
6       "Effect": "Allow",
7       "Principal": "*",
8       "Action": "s3:GetObject",
9       "Resource": "arn:aws:s3:::www.abdulhamidgokce.com/*"
10    }
11  ]
12 }
```

www.abdulhamidgokce.com [Info](#)

Publicly accessible

[Objects](#) [Properties](#) [Permissions](#) [Metrics](#) [Management](#) [Access Points](#)

Objects (0)
Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 Inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

[Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#)

[Actions](#) [Create folder](#) [Upload](#)

< 1 >

Name	Type	Last modified	Size	Storage class
No objects				
You don't have any objects in this bucket.				

[Upload](#)

Upload



End point ile gorebiliriz

Static website hosting [Edit](#)

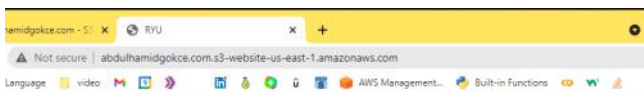
Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting
Enabled

Hosting type
Bucket hosting

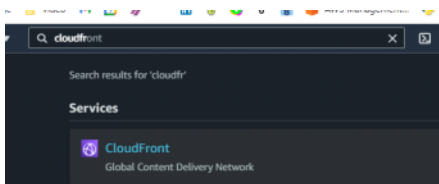
Bucket website endpoint
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)

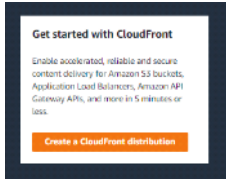
<http://www.abdulhamidgokce.com.s3-website-us-east-1.amazonaws.com>



CloudFront Hands-on Training

The Winner is RYU!





3 bolumden olusuyor

- 1- Kaynak bolumu ayarlari
- 2- Cashleme mekanizmasinin nasil olacagina iliskin
- 3- Cloudfrontun kendisine iliskin ayarlar (user a donuk ayarlar)

Nelerin domain olabilecegini gostermektedir

Origin

Origin domain
Choose an AWS origin, or enter your origin's domain name.

Choose origin domains

Amazon S3

abduhamidgokce.com.s3.amazonaws.com

cf-templates-1c24p9aw5rc-us-east-1.s3.amazonaws.com

www.abduhamidgokce.com.s3.amazonaws.com

Elastic load balancer

No origins available

Elastic load balancer

No origins available

Media Package container

No origins available

Static website hosting

Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting

Enabled

Hosting type

Bucket hosting

Bucket website endpoint

When you configure your bucket as a static website, the website is available at the *AWS* Region-specific website endpoint of the bucket. [Learn more](#)

<http://www.abduhamidgokce.com.s3-website-us-east-1.amazonaws.com>

Gorseldeki adresi kopyalarip asagidaki gorsel seklinde yapistiralim
==> bastaki http yi silelim

Matchviewer ==> ne gelirse ona gore cevap verir secenegi

CloudFront > Distributions > create

Create distribution

Origin

Origin domain
Choose an AWS origin, or enter your origin's domain name.

www.abduhamidgokce.com.s3-website-us-east-1.amazonaws.com

Protocol

☐ HTTP only

☐ HTTPS only

☒ Match viewer

HTTP port
Enter your origin's HTTP port. The default is port 80.

80

HTTPS port
Enter your origin's HTTPS port. The default is port 443.

443

Minimum origin SSL protocol

The minimum SSL protocol that CloudFront uses with the origin.

☐ TLSv1.2

☐ TLSv1.1

☒ TLSv1

☐ SSLv3

Origin path - optional

Enter a URL path to append to the origin domain name for origin requests.

Enter the origin path

Name

Enter a name for this origin.

www.abduhamidgokce.com.s3-website-us-east-1.amazonaws.com

Add custom header - optional

CloudFront includes this header in all requests that it sends to your origin.

Add header

Enable Origin Shield

Origin Shield is an additional caching layer that can help reduce the load on your origin and help protect its availability.

☒ No

☐ Yes

Additional settings

Connection attempts

The number of times that CloudFront attempts to connect to the origin, from 1 to 3. The default is 3.

3

Connection timeout

The number of seconds that CloudFront waits for a response from the origin, from 1 to 10. The default is 10.

10

Response timeout - only applicable to custom origins

The number of seconds that CloudFront waits for a response from the origin, from 1 to 60. The default is 30.

30

Keep-alive timeout - only applicable to custom origins

The number of seconds that CloudFront maintains an idle connection with the origin, from 1 to 60. The default is 5.

5

Default cache behavior

Path pattern [info](#)

Compress objects automatically [info](#)
☐ No
☒ Yes

Viewer

Viewer protocol policy
☐ HTTP and HTTPS
☒ Redirect HTTP to HTTPS
☐ HTTPS only

Allowed HTTP methods
☐ GET, HEAD
☐ GET, HEAD, OPTIONS
☒ GET, HEAD, OPTIONS, PUT, POST, PATCH, DELETE

Cache HTTP methods
 GET and HEAD methods are cached by default.
☐ OPTIONS

Restrict viewer access
 If you restrict viewer access, viewers must use CloudFront signed URLs or signed cookies to access your content.
☐ No
☒ Yes

Trusted authorization type
☒ Trusted key groups (recommended)
☐ Trusted signer

Add key groups

[Create key group](#)

Viewer

Viewer protocol policy
☐ HTTP and HTTPS
☒ Redirect HTTP to HTTPS
☐ HTTPS only

Allowed HTTP methods
☐ GET, HEAD
☐ GET, HEAD, OPTIONS
☒ GET, HEAD, OPTIONS, PUT, POST, PATCH, DELETE

Cache HTTP methods
 GET and HEAD methods are cached by default.
☐ OPTIONS

Restrict viewer access
 If you restrict viewer access, viewers must use CloudFront signed URLs or signed cookies to access your content.
☒ No
☐ Yes

Cache key and origin requests
 We recommend using a cache policy and origin request policy to control the cache key and origin requests.

☒ Cache policy and origin request policy (recommended)
☐ Legacy cache settings

Cache policy
 Choose an existing cache policy or create a new one.

[Create policy](#)

Origin request policy - optional
 Choose an existing origin request policy or create a new one.

[Create policy](#)

► Additional settings

Restrict ==> no olacak

Cache key and origin requests
 We recommend using a cache policy and origin request policy to control the cache key and origin requests.

☒ Cache policy and origin request policy (recommended)
☐ Legacy cache settings

Cache policy
 Choose an existing cache policy or create a new one.

[Create policy](#)

Origin request policy - optional
 Choose an existing origin request policy or create a new one.

[Create policy](#)

▼ Additional settings

Smooth streaming
 Choose No if your origin is configured to use Microsoft IIS for Smooth Streaming.
☒ No
☐ Yes

Field-level encryption [info](#)
 Choose a field-level encryption configuration.

Enable real-time logs [info](#)
☒ No
☐ Yes

Function associations - optional [info](#)
 Choose an edge function to associate with this cache behavior, and the CloudFront event that invokes the function.

Lambda tarzı function yaparak optimize edebiliyoruz.

Lambda functionlar caching mekanizması içinde kullanılabilir. Region locationlarda çalıştırılabilir. Function associationlarda ve edge locationlarda çalıştırılabilir.

Function associations - optional [info](#)
 Choose an edge function to associate with this cache behavior, and the CloudFront event that invokes the function.

	Function type	Function ARN / Name	Include body
Viewer request	<input type="text" value="No association"/>		
Viewer response	<input type="text" value="No association"/>		
Origin request	<input type="text" value="No association"/>		
Origin response	<input type="text" value="No association"/>		

CloudFront > Distributions > EXQ8R2XXEYU15

EXQ8R2XXEYU15

General | **Origins** | Behaviors | Error pages | Geographic restrictions | Invalidations | Tags

Origins

Filter origins by property or value

Origin name | Origin domain | Origin path | Origin type

www.abdulhamidgokce.com.s3-website-... | www.abdulhamidgokce.com.s3-website-... | Custom Origin

Origin groups

Filter origin groups by property or value

Origin group name | Origins | Failover criteria

No origin groups
You don't have any origin groups.

Create origin group

Origins

Filter origins by property or value

Origin name | Origin domain | Origin path | Origin type

www.abdulhamidgokce.com.s3-website-... | www.abdulhamidgokce.com.s3-website-... | Custom Origin

Protocol: info

☒ HTTP only

☐ HTTPS only

☐ Match viewer

Sececegiz
Ve gorseli alacagiz



CloudFront Hands-on Training

The Winner is RYU!



Route 53 sayfasina gecelim

Route 53 > Hosted zones > abdulhamidgokce.com

abdulhamidgokce.com

Delete zone | Test record | Configure query logging

Hosted zone details | Edit hosted zone

Records (3) | DNSSEC signing | Hosted zone tags (0)

Records (3)

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

Filter records by property or value

Type | Routing policy | Alias

Record name	Type	Routing...	Differ...	Value/Route traffic to
abdulhamidgokce.com	NS	Simple	-	ns-1333.awsdns-38.org, ns-279.awsdns-34.com, ns-764.awsdns-31.net, ns-1823.awsdns-35.co.uk
abdulhamidgokce.com	SOA	Simple	-	ns-1333.awsdns-38.org, awsdns-hostmaster.amazon.com, 1 7200 900 1209
_644e46743b6ac923413136cfac289053.abdulhamidgokce.com	CNAME	Simple	-	_705807163233435db03420643ad0ac788.cf7dygpbk.acm-validations.aws

Create record (alias kaydi olusturacagiz)

Route traffic to: info

☒ Alias

Choose endpoint

Alias to another record in this hosted zone

Alias to API Gateway API

Alias to CloudFront distribution

Alias to Elastic Beanstalk environment

Alias to Application and Classic Load Balancer

Alias to Network Load Balancer

Alias to Global Accelerator

Alias to S3 website endpoint

Alias to VPC endpoint

Distribution otomatik geliyor

Route 53 > Hosted zones > abdulhamidgokce.com > Create record

Quick create record [info](#) [Switch to wizard](#) [Add another record](#)

▼ Record 1 [Delete](#)

Record name [info](#) abdulhamidgokce.com
 Valid characters: a-z, 0-9, -, *, & # % & ' () + , ; : < > ? [\] ^ _ { | } ~ - - -

Record type [info](#) A - Routes traffic to an IPv4 address and so...
 Route traffic to [info](#) Alias to CloudFront distribution
 US East (N. Virginia)
 An alias to a CloudFront distribution and an alias to another record in the same hosted zone are global and available only in US East (N. Virginia).

Routing policy [info](#) Simple routing
 Evaluate target health ☐ No

[Cancel](#) [Create records](#)



S3 bucketinden ryu dosyasini silelim ve dogru oldugunu dusundugum resmi upload edelim

Objects (2)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

[Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#)

[Actions](#) [Create folder](#) [Upload](#)

	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	index.html	html	August 9, 2021, 21:24:36 (UTC+03:00)	232.0 B	Standard
<input checked="" type="checkbox"/>	ryu.jpg	jpg	August 9, 2021, 21:24:37 (UTC+03:00)	28.6 KB	Standard

Upload: status [Close](#)

[The information below will no longer be available after you navigate away from this page.](#)

Summary

Destination: s3://www.abdulhamidgokce.com

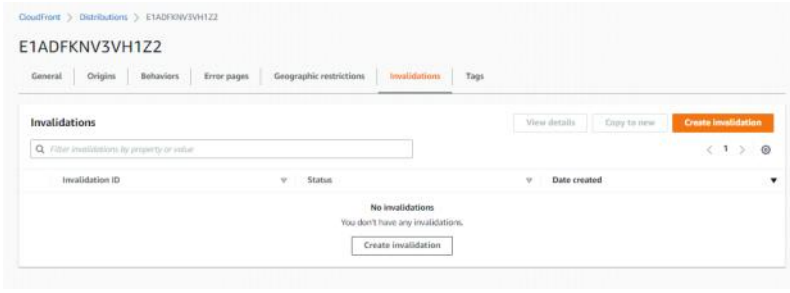
Succeeded: [1 file, 175.2 KB \(100.00%\)](#)

Failed: [0 files, 0 B \(0%\)](#)

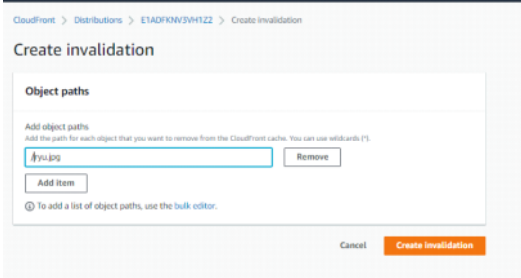
[Files and folders](#) [Configuration](#)

Files and folders (1 Total, 175.2 KB)

Name	Folder	Type	Size	Status	Error
ryu.jpg	-	image/jpeg	175.2 KB	Succeeded	-



Cash bilgilerini degistirecegiz



Butun edge locationlardaki cashlenmis dosyalar degismis olacak

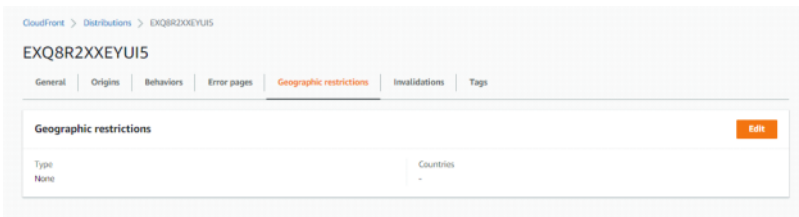


CloudFront Hands-on Training

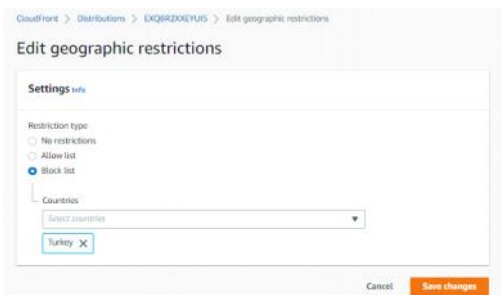
The Winner is RYU!



Dogru goruntuyu almis olduk



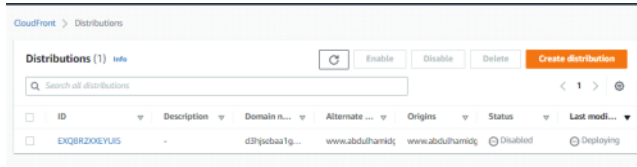
Ulke tercihi yapabiliriz



Tr goremeyecek olarak belirtiyoruz
(fakat vpn ile girilebilir)

SILINECEKLER:

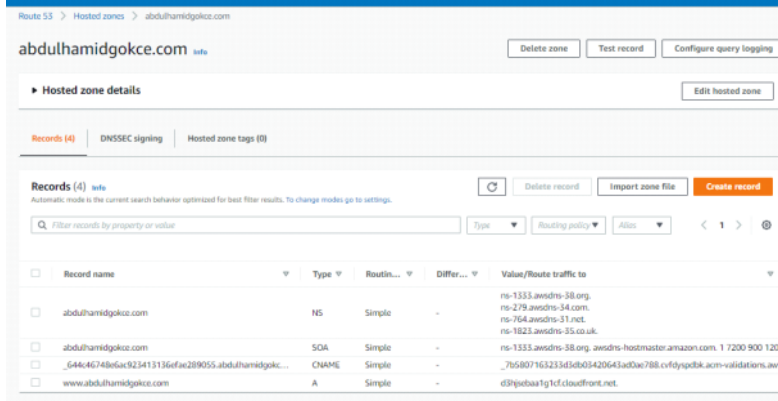
Distributions once disable edip bekleyecegiz ve daha sonra silebiliriz



The screenshot shows the AWS CloudFront console with the 'Distributions' tab selected. There is a search bar and a table with columns: ID, Description, Domain name, Alternate domain names, Origins, Status, and Last modified. One distribution is listed with ID 'EKQ8R200EYU5', status 'Disabled', and is currently 'Deploying'.

ID	Description	Domain name	Alternate domain names	Origins	Status	Last modified
EKQ8R200EYU5		d3h9etbaa1g...	www.abdulhamidg...	www.abdulhamidg...	Disabled	Deploying

Route53 alias kaydi silebiliriz



The screenshot shows the AWS Route 53 console for the hosted zone 'abdulhamidgokce.com'. It displays a table of records with columns: Record name, Type, Routing, Differ..., and Value/Route traffic to. There are four records listed.

Record name	Type	Routing	Differ...	Value/Route traffic to
abdulhamidgokce.com	NS	Simple	-	ns-1333.awsdns-38.org, ns-279.awsdns-34.com, ns-754.awsdns-31.net, ns-1823.awsdns-35.co.uk
abdulhamidgokce.com	SOA	Simple	-	ns-1333.awsdns-38.org, awsdns-hostmaster.amazon.com, 1 7200 900 1209
_644e46748e6ac923413136f6c289055.abdulhamidgokce...	CNAME	Simple	-	_7b5807163233d3db03420643ad0ac788.cfodyspdk.acm-validations.aws
www.abdulhamidgokce.com	A	Simple	-	d3h9etbaa1g1cf.cloudfront.net

S3 bucket icerigini silebiliriz

Certificate kalabilir ==> Herhangi bir ücret yansımasi olmaz.AWS 1 yıl içinde ücretsiz olarak sınırlı sayıda Certificate veriyor.