

2026-05-27 · 15:00

Tu primer sitio web en AWS, gratis

Mariano Rodríguez Díaz · Senior Engineering Manager, Covalynt

Instituto Tecnológico de Puebla · Puebla · GMT-6

Mariano Rodríguez Díaz

Senior Engineering Manager, Covalynt · Puebla

Entornos donde un error sale caro.

Trabajo en Covalynt, la solución anti-fraude en juicios masivos

Cloud computing para datos sensibles, compliance y operaciones críticas.

AWS UG Mixtli Leader

4x AWS Certified



Lo que veremos, y más o menos cuándo.

01 ¿Por qué debería importarte esto?

02 Arquitectura del stack

03 Basta de teoría... vamos al mundo real

04 Ahora les toca a ustedes

LA IDEA

¿Por qué no solo subirlo a Vercel/Netlify que es más fácil?

Pues porque vinimos a hablar de AWS 😅

Y al final de esta charla vas a coincidir conmigo que es una mejor idea.

CAPÍTULO

01

¿Por qué debería importarte esto?

¿Tener un sitio real con dominio propio y pagar 0\$ al mes?

Es posible y además en AWS.

Tu presencia online. Tu infraestructura. Tu control.

01 · Visibilidad

¿Existe si no estás en internet?

Un sitio web es tu tarjeta de presentación global. Disponible las 24h, los 365 días. Sin pedir permiso a ninguna red social.

02 · Credibilidad

¿Te toman en serio sin dominio propio?

Un sitio propio transmite profesionalismo. Controlas el mensaje, el diseño y la experiencia del usuario.

03 · AWS como ventaja

¿Por qué no en un hosting cualquiera?

AWS te da escala global, alta disponibilidad y precios predecibles con CloudFront Flat Pricing. Infraestructura de nivel enterprise, desde \$0.

CAPÍTULO

02

Arquitectura del stack

Entendamos que vamos a usar hoy y como todo calza en el rompecabezas de AWS.

CloudFront Flat Pricing

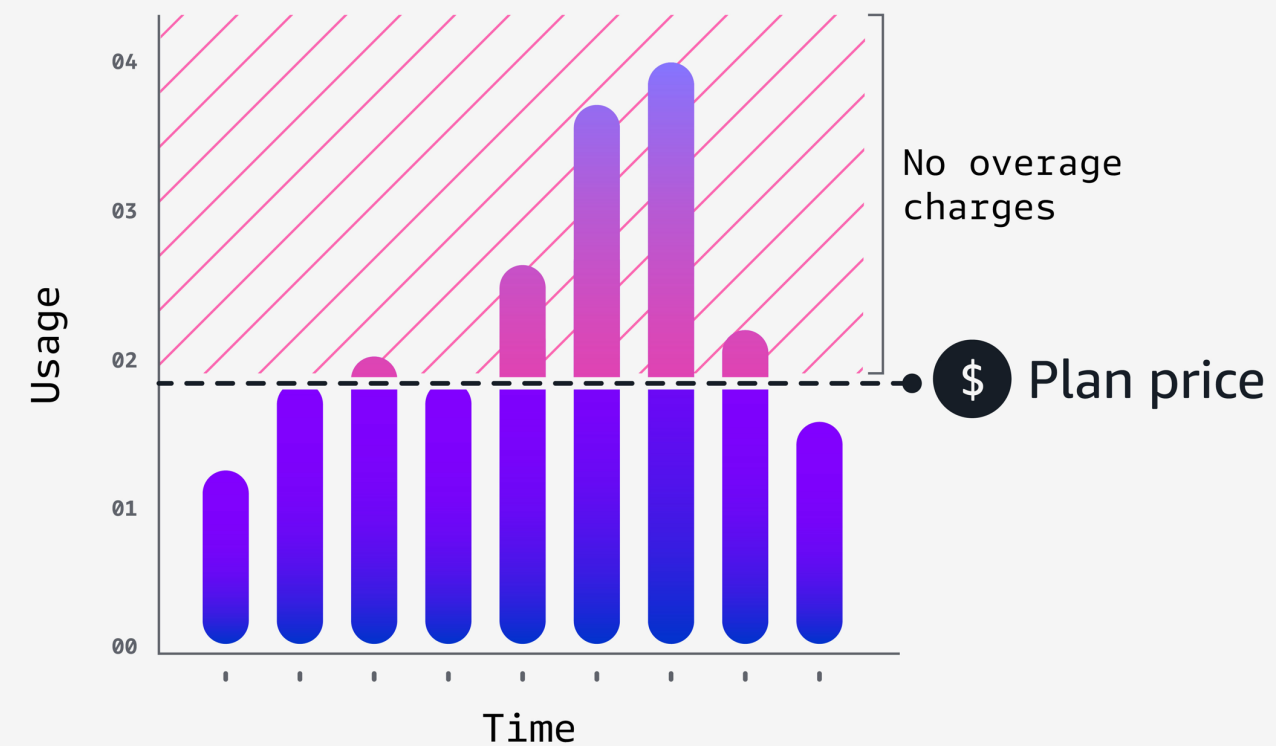
Plan gratuito

Justo para personas con uso relativamente ligero y para empezar a usar el cloud.

Incluye:

- DNS
- Protección DDoS
- CDN
- WAF
- Serverless Edge Computing
- Almacenamiento S3 (5GB)
- Solicitudes (1M)
- Transferencia de datos (100GB)

Flat-rate pricing



CloudFront Flat Pricing

Lo realmente valioso

Incluye todo lo que necesitas en un solo plan, no hay costos extras ni sorpresas.

Tienes toda la infraestructura de AWS haciendo el trabajo pesado.

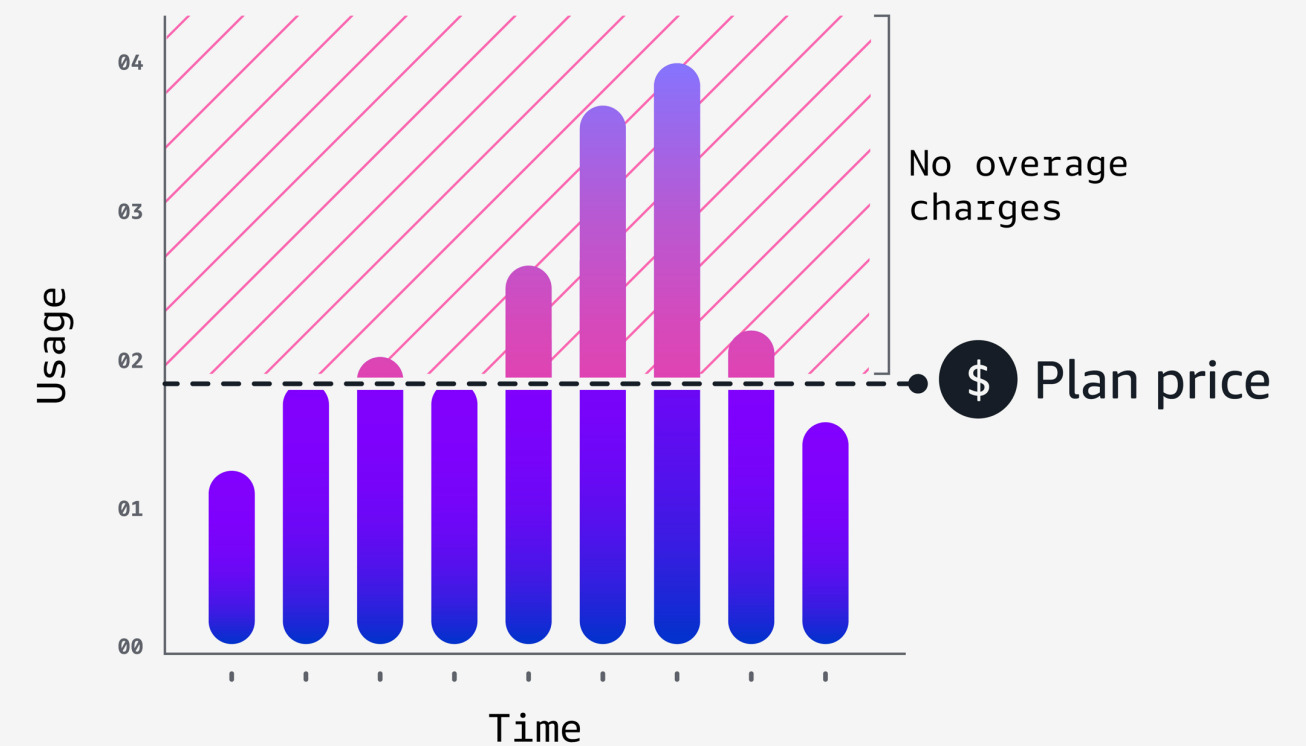
Preguntas que hasta yo me hice

¿Qué pasa si me paso?




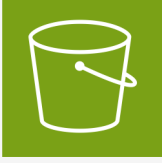
¿Cuántos puedo tener?

¿Cuál es la diferencia con el Free Tier?

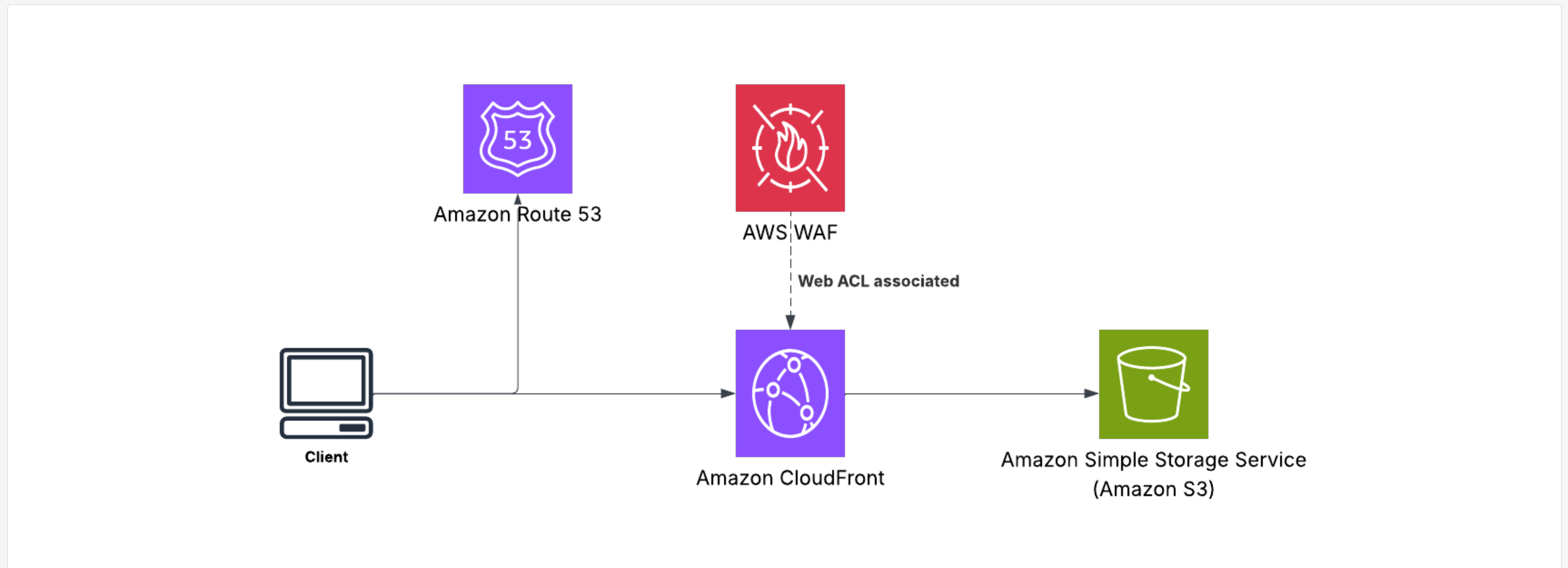
Flat-rate pricing



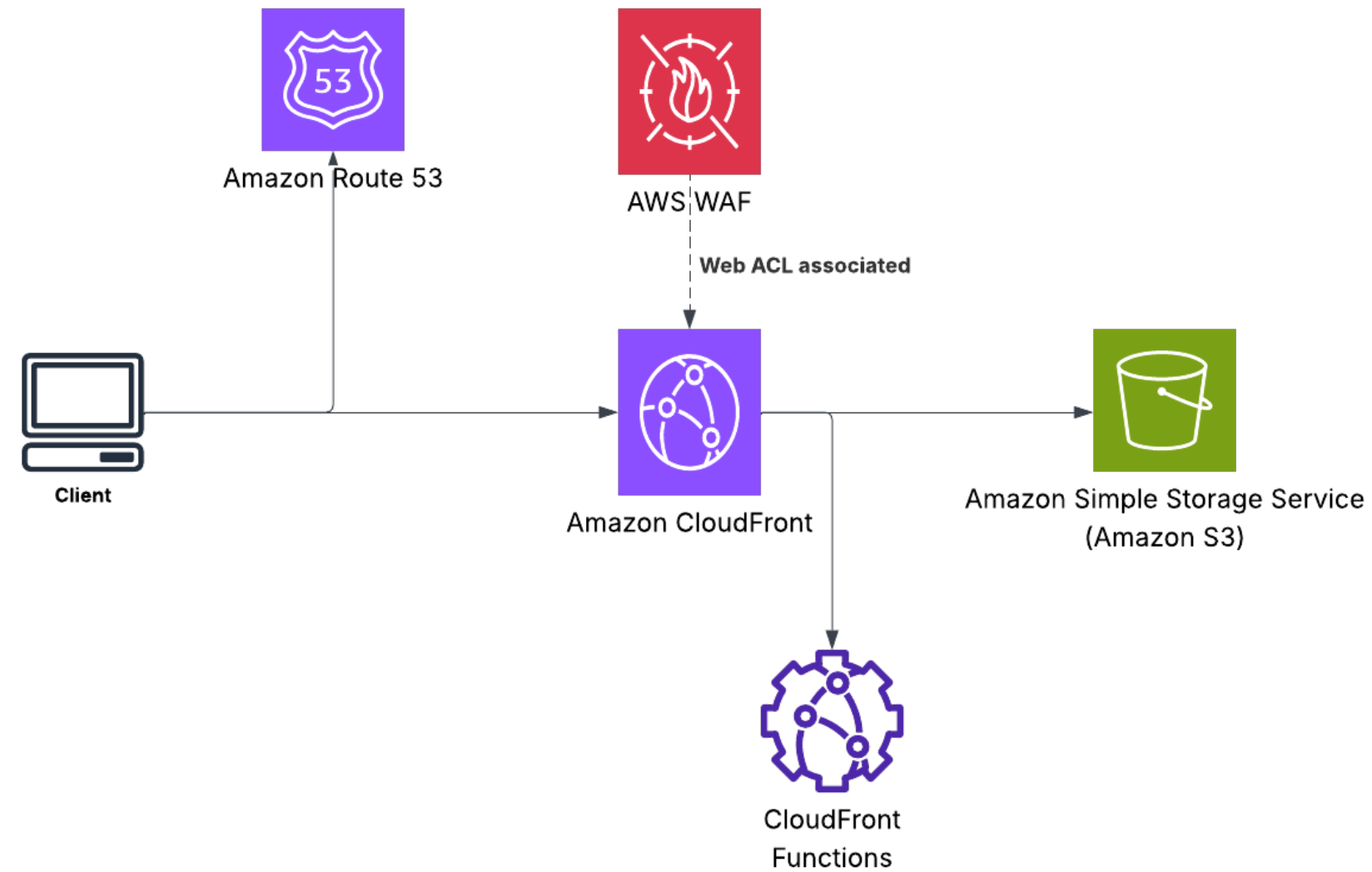
Los servicios que vamos a usar hoy.

| CATEGORÍA | SERVICIO | ÍCONO |
|----------------|--------------------------------|---|
| Red | Route 53 |  |
| Contenido | CloudFront |  |
| Red | Web Application Firewall (WAF) |  |
| Almacenamiento | Simple Storage Service (S3) |  |

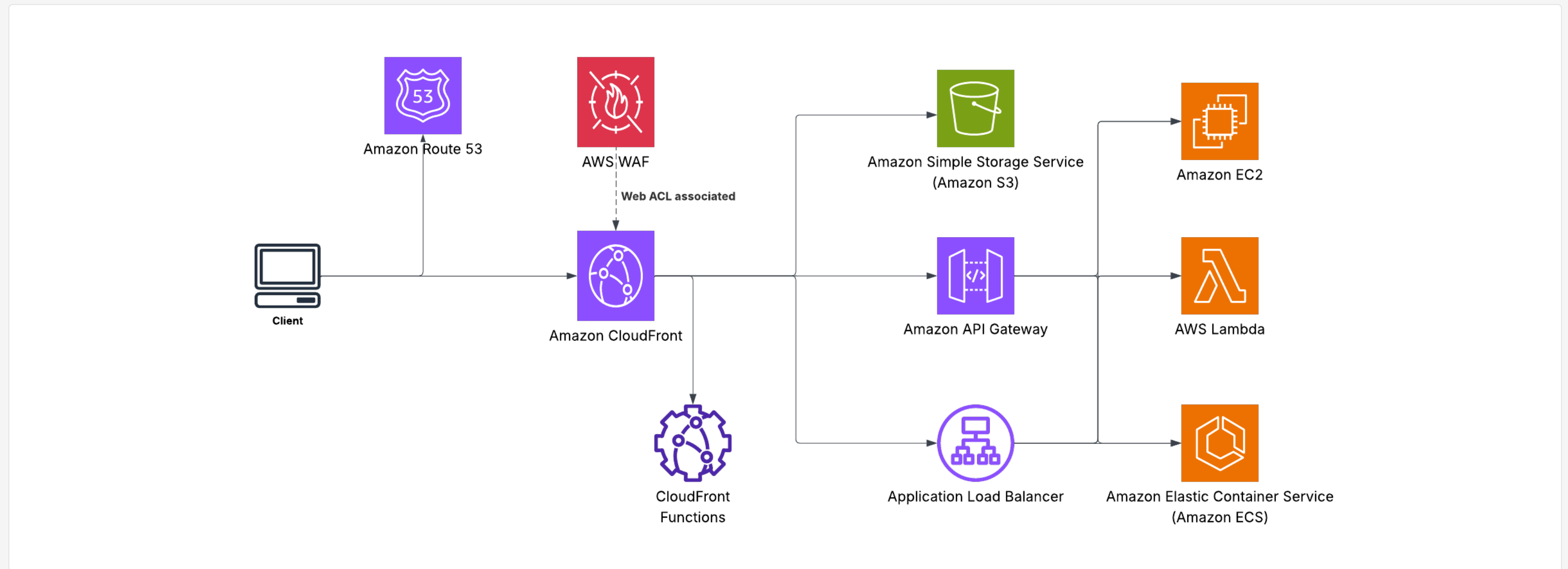
¿Cómo se conectan esos servicios?



¿Y si necesito más funcionalidad?



Es que quiero tener una aplicación.



EN NÚMEROS

Cómo se ven estos servicios y los beneficios que te dan.

+750

PoPs · 2026

Puntos de presencia
alrededor del mundo

11 nueves

confiabilidad · multi-región

Confiabilidad líder en el
mercado, con replicación
síncrona

0

incidentes P1

gracias al propio sistema
de respaldo.

CAPÍTULO

03

Basta de teoría... vamos al mundo real

Veamos como funciona en el mundo real todo lo anterior.

Lo valioso de todo lo anterior

A · La perspectiva del visitante

El valor para el visitante

- Un sitio rápido llama la atención.
- Ayuda a darle seriedad al perfil si soy un reclutador.
- Desde 2018 el ranking en Google toma en cuenta la velocidad.

B · La perspectiva de ustedes

El valor para ustedes

- 53% de los usuarios (móviles) abandona un sitio que tarda más de 3 segundos.
- Si el sitio tarda 1 segundo pierde el 7% de los usuarios, 5 segundos ya pierde 38%.
- Es medio genial tener tu propio sitio web.

CAPÍTULO

04

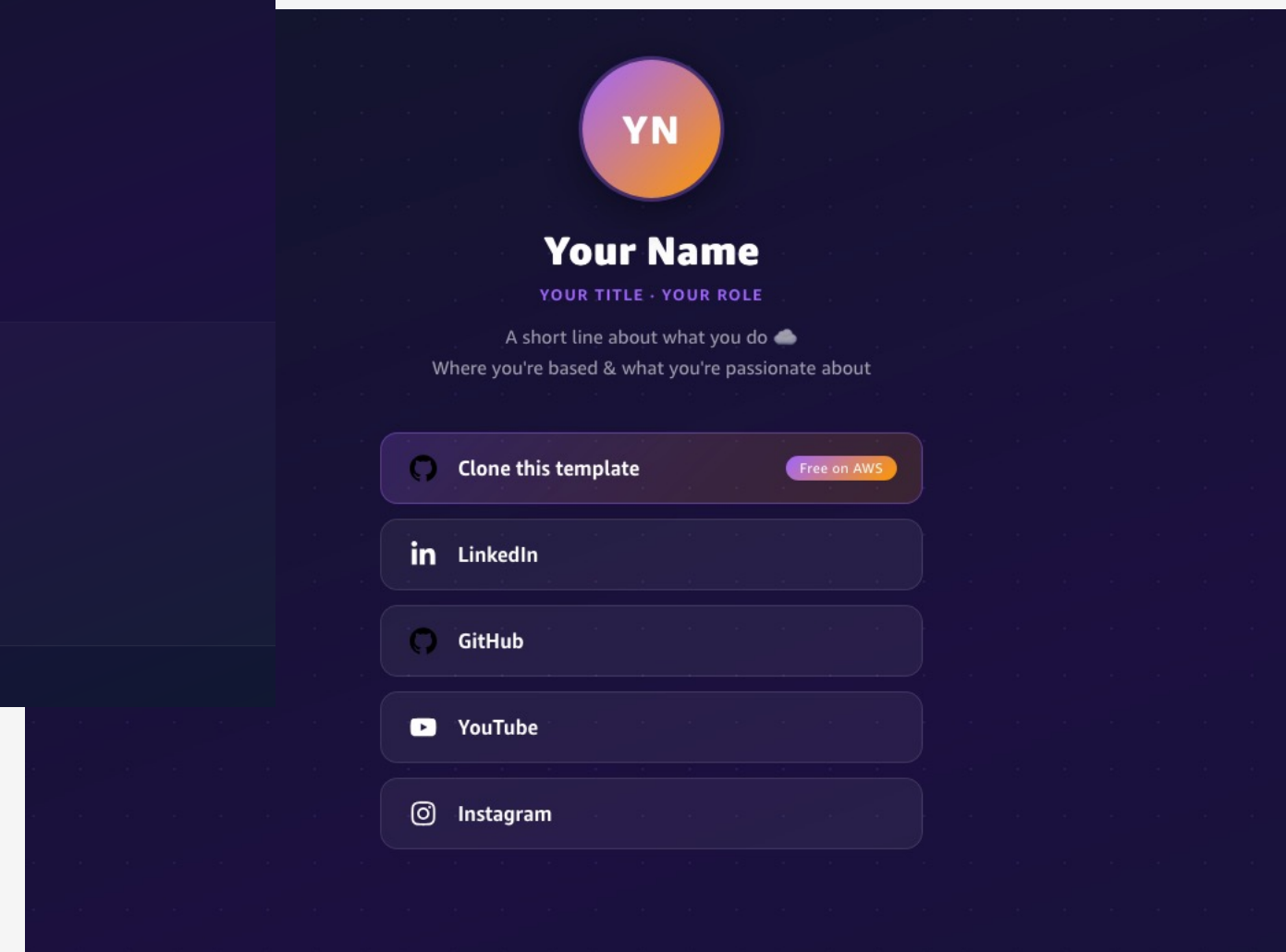
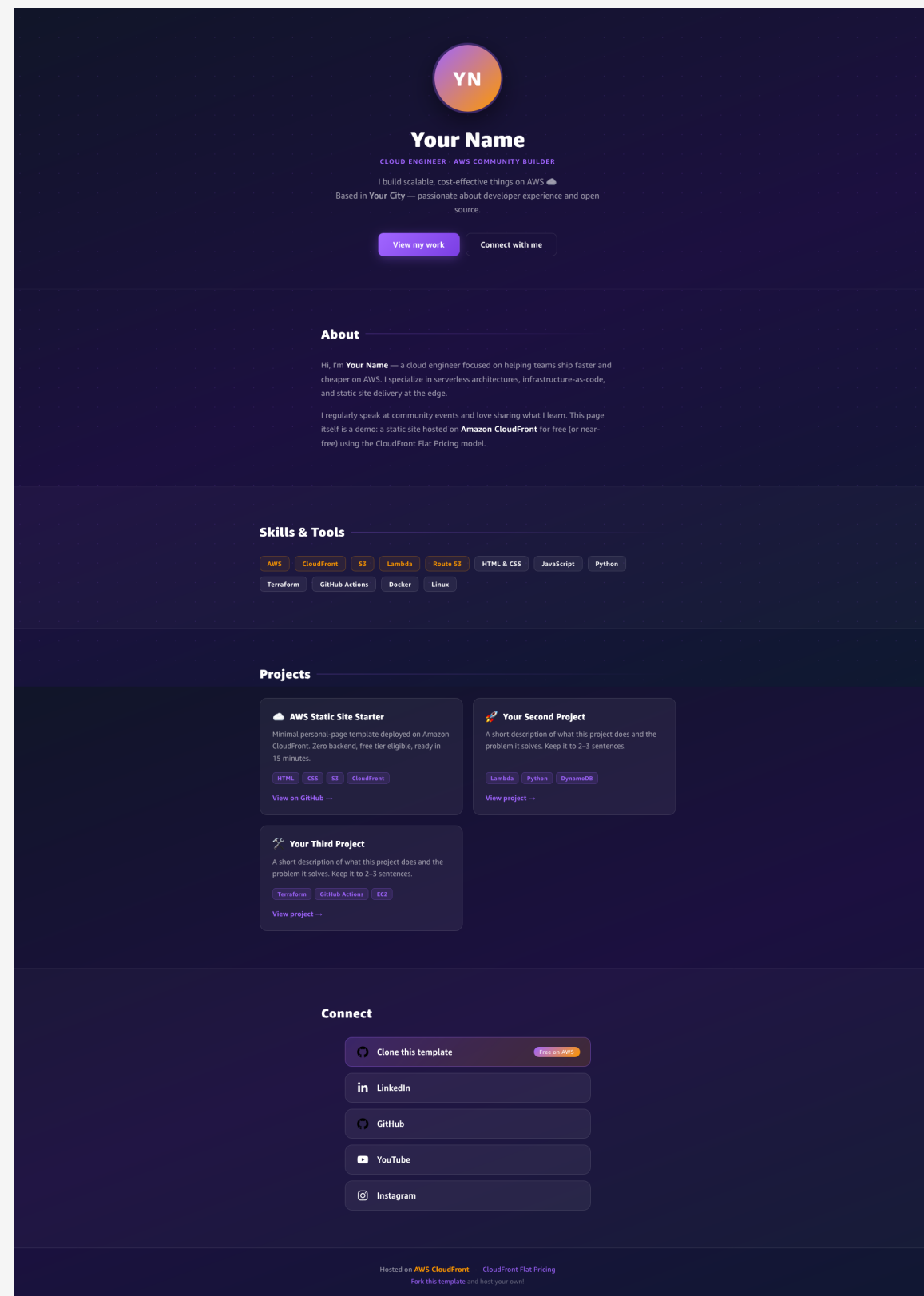
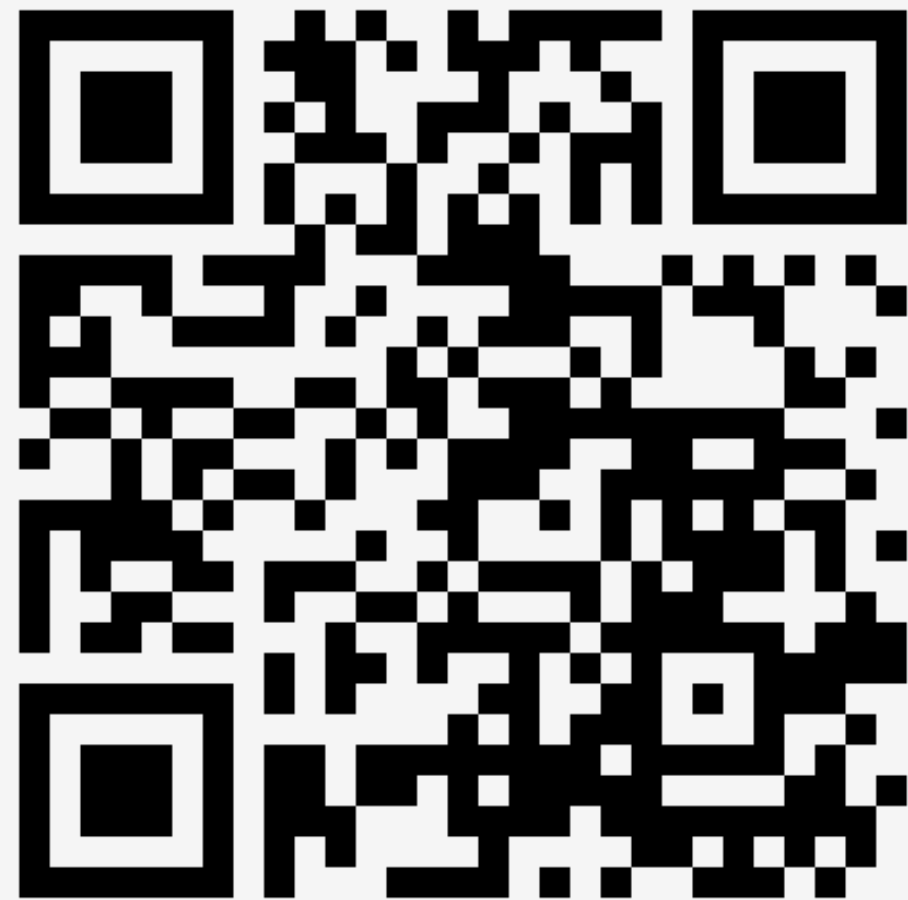
Ahora les toca a ustedes

Inicien su huella en el internet con su página web, que les sirva de portafolio

HACIENDO SU PRIMER SITIO

Para ustedes

Vamos a ver todo lo anterior en acción



HACIENDO SU PRIMER SITIO

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region

US East (N. Virginia) us-east-1

Bucket type [Info](#)

General purpose

Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

Directory

Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket namespace

Choose the namespace where you want to create your bucket. [Learn more](#)

Global namespace

By default, S3 creates general purpose buckets in the global namespace.

Account Regional namespace (recommended)

General purpose buckets created in your account Regional namespace are unique to your account. These buckets can never be created by another AWS account.

Bucket name [Info](#)

amzn-s3-demo-bucket

Bucket names must be 3 to 63 characters and unique within the global namespace. Bucket names must also begin and end with a letter or number. Valid characters are a-z, 0-9, periods (.), and hyphens (-). [Learn more](#)

Copy settings from existing bucket - optional

Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

Format: s3://bucket/prefix

Object Ownership [Info](#)

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

Object Ownership

ACLs disabled (recommended)

All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

ACLs enabled

Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

Object Ownership

Bucket owner enforced

Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Block all public access

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

Block public access to buckets and objects granted through new access control lists (ACLs)

S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

Block public access to buckets and objects granted through any access control lists (ACLs)

S3 will ignore all ACLs that grant public access to buckets and objects.

HACIENDO SU PRIMER SITIO

The image shows a screenshot of the AWS Management Console. On the left, the 'CloudFront' service page is open, with the 'CloudFront' service card highlighted by a yellow box. The page includes sections for Services, Features (Dynamic Image Transformation), Documentation (Implementation Guide, User Guide), Knowledge articles, and Marketplace. On the right, a dashboard is visible with several widgets: 'Welcome to AWS' (Getting started with AWS, Training and certification, AWS Builder Center), 'AWS Health' (Open issues: 1, Scheduled changes: 3, Other notifications: 4), 'Explore AWS' (Amazon S3 Files, Amazon Quick), 'Recent AWS blog posts' (AWS Observability ICYMI: Jan-May 2026, Automated JDBC query caching with the AWS Advanced JDBC Wrapper, A faster, more resilient digital), and 'Trusted Advisor'. The top navigation bar shows the user is logged in as 'mariano' in the 'United States (Ohio)' region. The bottom footer contains links for CloudShell, Feedback, Console Mobile App, and copyright information for Amazon Web Services, Inc. or its affiliates.

HACIENDO SU PRIMER SITIO

The screenshot shows the AWS CloudFront console interface. At the top, there is a navigation bar with the AWS logo, a search bar, and user information for 'marianord (833307389424)'. Below the navigation bar, the 'Distributions' page is displayed. On the left, there is a sidebar menu with categories like 'Distributions', 'Policies', 'Functions', 'SaaS', 'Telemetry', 'Reports & analytics', 'Security', 'Key management', and 'Savings Bundle'. The main content area is titled 'Distributions (2)' and features a search bar, a filter dropdown set to 'All distributions', and a table of distributions. The table has columns for ID, Status, Description, Type, Domain name (standard), Alternate domain names, Origins, Pricing, and Last modified. Two distributions are listed, both of type 'Standard'. The first distribution was last modified on May 24, 2026, and the second on May 3, 2026. At the top right of the main content area, there are buttons for 'Enable', 'Disable', 'Delete', and 'Create distribution'. The footer of the console includes links for 'CloudShell', 'Feedback', 'Console Mobile App', and copyright information for Amazon Web Services, Inc.

| ID | Status | Description | Type | Domain name (standard) | Alternate domain names | Origins | Pricing ... | Last modified |
|----|--------|-------------|----------|------------------------|------------------------|---------|-------------|-------------------|
| | | | Standard | | | | Free | May 24, 2026, ... |
| | | | Standard | | | | Free | May 3, 2026, 0... |

HACIENDO SU PRIMER SITIO

- Step 1 **Choose a plan**
- Step 2 Get started
- Step 3 Specify origin
- Step 4 Enable security
- Step 5 Get TLS certificate
- Step 6 Review and create

Choose a plan

Everything you need for a simple monthly price [Learn more →](#)

- Plans include global CDN, WAF, DDoS protection, DNS, TLS certificate, log ingestion, and serverless edge compute.
- No overage charges.
- Blocked requests and DDoS attacks never count against your usage allowance.
- Data transfer costs from your AWS origins (such as Amazon S3, Application Load Balancer, or API Gateway) to CloudFront are automatically waived.

Free
\$0/month

For hobbyists, learners, and developers getting started.

Usage allowance
1M requests / 100GB per month

- Always-on DDoS protection
- Protect against common web threats with AWS WAF
- IP-based rate limiting
- Geographic traffic blocking
- Serverless edge compute
- Smart routing
- Global CDN
- DNS
- Free TLS certificate
- Tiered caching
- Default caching rules
- Fast cache invalidations
- 5GB S3 storage included

Pro Most popular
\$15/month

Launch and grow small websites, blogs, and applications.

Everything in Free, plus:

- Protections for WordPress, PHP, and SQL databases
- AI traffic analytics
- Header-based threat filtering
- CAPTCHA challenge
- Edge key-value store
- Logging
- 50GB S3 storage included
- Invalidate content with custom tags

Usage allowance
10M requests / 50TB per month

Business
\$200/month

Protect and accelerate business applications.

Everything in Pro, plus:

- Advanced DDoS protection
- Bot management and analytics (+AI bots)
- Regex-based threat filtering
- JavaScript challenge
- Custom caching rules
- Private origins within VPC
- Mutual TLS (origin)
- Uptime SLA
- 1TB S3 storage included

Usage allowance
125M requests / 50TB per month

Premium
\$1,000/month

Scale and protect business and mission-critical applications.

Everything in Business, plus:

- High-speed origin routing
- Origin load reduction
- Automatic origin failover
- Mutual TLS (viewer)
- 5TB S3 storage included

Usage allowance
500M requests / 50TB per month (configurable up to 6B requests / 600TB per month for an adjusted flat-rate price)

[Configure usage](#)

Pay as you go
Pricing varies with usage

Pay only for what you use based on traffic and enabled features related to this distribution in CloudFront, AWS WAF, Route 53, S3, and CloudWatch Logs. Choose this option if you serve more than 50TB or 500M requests per month, need control over feature selection (including features not available in pricing plans), or want to use your custom rates.

[Cancel](#) [Next](#)

- Step 1 Choose a plan
- Step 2 **Get started**
- Step 3 Specify origin
- Step 4 Enable security
- Step 5 Get TLS certificate
- Step 6 Review and create

Get started

Connect your websites, apps, files, video streams, and other content to CloudFront. We optimize the performance, reliability, and security for your web traffic.

Distribution options [Info](#)

Distribution name

Name will be stored as a tag on the resource. You can change the name, or more tags, later.

Description - optional

Distribution type

Single website or app
Choose if each website or application will have a unique configuration.

Multi-tenant architecture - New
Choose when you have multiple domains that need to share configurations. This is a common architecture for SaaS providers.

Domain [Info](#)

Route 53 managed domain - optional

Enter a domain that's already registered with Route 53 in your AWS account. CloudFront will provision a TLS certificate for you. If you have a domain from a different DNS provider, skip this step and configure your domain later.

Check domain

Tags - optional

Cancel Previous Next

HACIENDO SU PRIMER SITIO

The screenshot shows the AWS CloudFront console during the 'Specify origin' step of creating a distribution. A modal window titled 'Select S3 location' is open, displaying a list of S3 buckets. The modal includes a search bar, a table of buckets with columns for 'Bucket name' and 'Creation date', and 'Cancel' and 'Choose' buttons. The background shows the 'Specify origin' step with 'Amazon S3' selected as the origin type. The 'Origin' section shows 'S3 origin' selected, and the 'Settings' section has 'Use recommended origin settings' and 'Use recommended cache settings tailored to serving S3 content' selected.

Specify origin

Origin type
Your origin is where your content (such as a website or app) lives. CloudFront works with AWS-based origins and origins hosted on other cloud providers.

Origin type

- Amazon S3
Deliver static assets like files and images, statically generated websites or single page applications (SPA).
- Elastic Load Balancer
Deliver applications hosted behind ELB such as dynamic websites, web services, and APIs.
- API Gateway
Deliver API endpoints for REST APIs hosted on API Gateway.
- Elemental MediaPackage
Deliver end-to-end live events or video on demand (VOD).
- VPC origin
Deliver applications and content hosted within private VPCs, such as Amazon EC2 instances.
- Other
Refer to any AWS or non-AWS origin through its publicly resolvable URL.

Origin

S3 origin
Choose an AWS S3 bucket to use as the origin for your distribution.

Origin path - optional
The directory path to the content in the bucket. If you don't specify a path, CloudFront will serve content from the root of the bucket.

Settings

Allow private S3 content
CloudFront will only be able to retrieve content from the origin if you allow private S3 content.

Allow private S3 content

Origin settings
Origin settings control how CloudFront connects to the specified origin.

Use recommended origin settings

Customize origin settings

Cache settings
Cache settings determine when CloudFront serves cached content and when it fetches new content from the origin.

Use recommended cache settings tailored to serving S3 content

Customize cache settings

Select S3 location

Buckets (6) Last updated May 26, 2026, 08:49 PM GMT-6

Find bucket

| Bucket name | Creation date |
|----------------------------------|-------------------------------|
| <input type="radio"/> | Mon, 04 May 2026 00:53:16 GMT |
| <input checked="" type="radio"/> | Tue, 19 May 2026 22:31:36 GMT |
| <input type="radio"/> | Wed, 08 Apr 2026 23:08:16 GMT |
| <input type="radio"/> | Mon, 06 Apr 2026 21:29:43 GMT |
| <input type="radio"/> | Fri, 19 Sep 2025 05:53:34 GMT |
| <input type="radio"/> | Mon, 09 Mar 2026 16:44:05 GMT |

Cancel Choose

HACIENDO SU PRIMER SITIO

- Step 1 Choose a plan
- Step 2 Get started
- Step 3 Specify origin
- Step 4 Enable security
- Step 5 **Review and create**

Review and create

General configuration Edit

| | | | |
|----------------------------|---------------------|-----------------------------|--|
| Distribution name tesdt | Description test | Billing Free (\$0/month) | Today's pro-rated charge (estimate) \$0 |
|----------------------------|---------------------|-----------------------------|--|

Origin Edit

Because you granted CloudFront access to your origin, CloudFront can write and update S3 bucket policies that restrict access to your S3 origin to CloudFront.

| | | | |
|--------------------------|--------------------------|--|----------------------------|
| S3 origin b e | Origin path - | Grant CloudFront access to origin Yes | Enable Origin Shield No |
| Connection attempts 3 | Connection timeout 10 | | |

Cache settings Edit

CloudFront will apply default cache settings tailored to serving content from a S3 origin. You can customize settings after you create your distribution.

Security Edit

| | |
|---------------------------------|------------------------|
| Security protections Enabled | Use monitor mode No |
|---------------------------------|------------------------|

Usage and transfer limits will be prorated for your first month. Subject to [usage and transfer limits](#).

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

DISCUSIÓN



Preguntas.

Levanta la mano, acércate a un micrófono, o escíbeme después de la charla — direcciones en la siguiente diapositiva.

GRACIAS

Crea tu sitio web **no tengas miedo.**

Sitio marianord.com

GitHub [@marianord](https://github.com/marianord)

LinkedIn [in/marianord](https://www.linkedin.com/in/marianord)

Comunidad [AWS UG Mixtli · Puebla](#)

Diapositivas marianord.com/slides/aws-primer-sitio-web.pdf

