

PROYECTO FINAL DAW

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Clon de TWITTER



DESCRIPCIÓN

El proyecto será hacer una copia de la interfaz con responsive, y las funcionalidades de twitter programadas en, html, css, js, php...

Incluirá: Sistema de tweets, perfiles, follows/followings, retweets, favs, comentarios, notificaciones. El feed se actualiza en tiempo real cuando uno de tus seguidores publica un tweet, esto hace que no tengas que recargar la página manualmente.

Tendrá la parte del cliente con toda la interfaz en HTML/CSS, AJAX y Websockets. Y la parte del servidor que será una API hecha en PHP accediendo a la DB de MYSQL.

Tecnologías

FRONTEND

- HTML
- CSS / SASS
- Javascript
- AJAX
- Responsive
- Cookies
- Pusher
- JSON
- API Tokens
- CDN (Pusher)

BACKEND

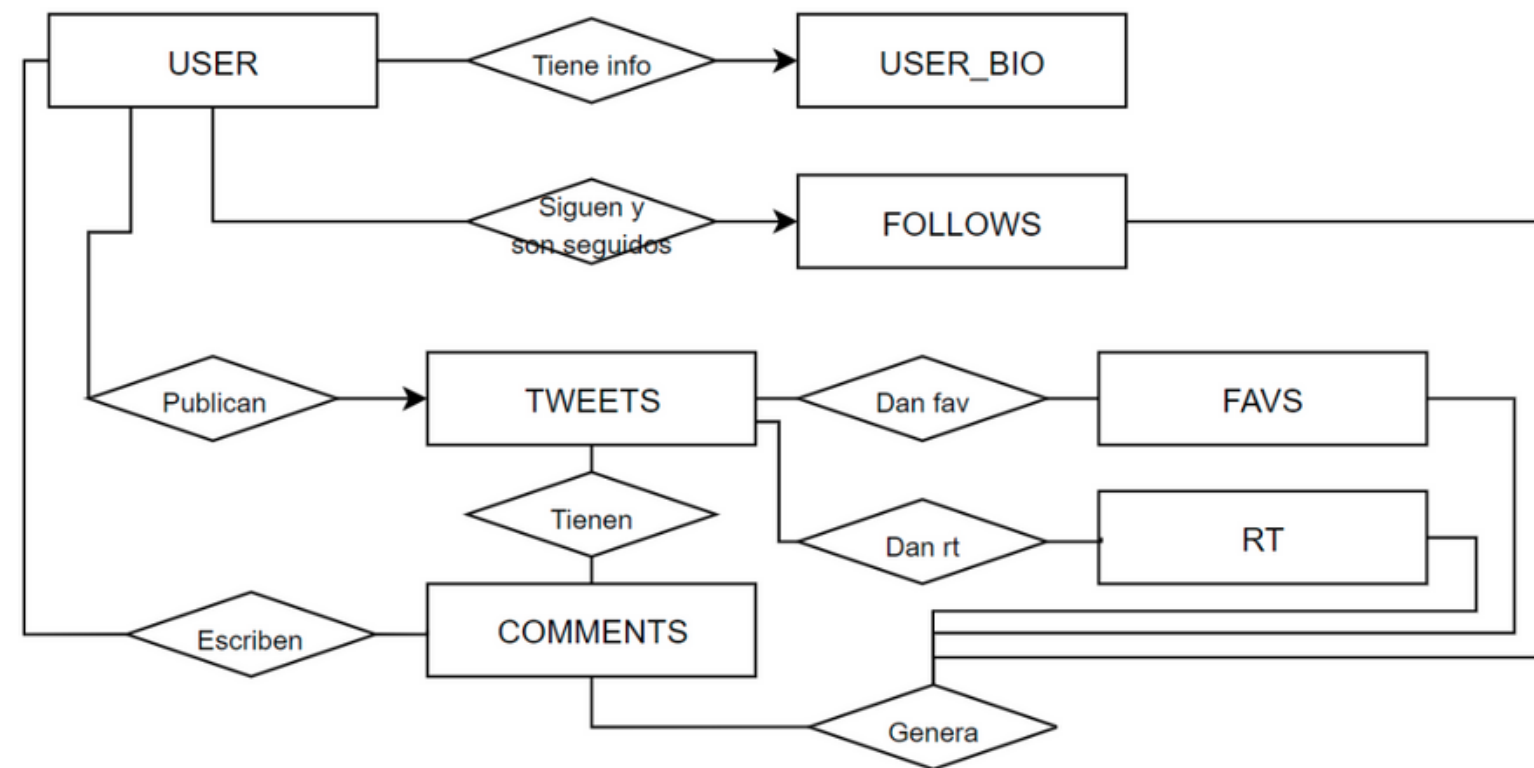
- PHP
- MYSQL
- API
- SESSIONS
- JSON
- API Tokens

DESPLIEGUE & HERRAMIENTAS

- Hosting VPS
- Linux
- Nginx
- Mysql
- Github
- Postman

Base de datos

Estructura



USER(id, nick, name_twitter, pass_hash, api_key, reg_date)

USER_BIO(user_id, bio, avatar_url, banner_url)

FOLLOWS(following_user_id, followed_user_id)

TWEETS(user_id, tweet_id, date, content, img_url)

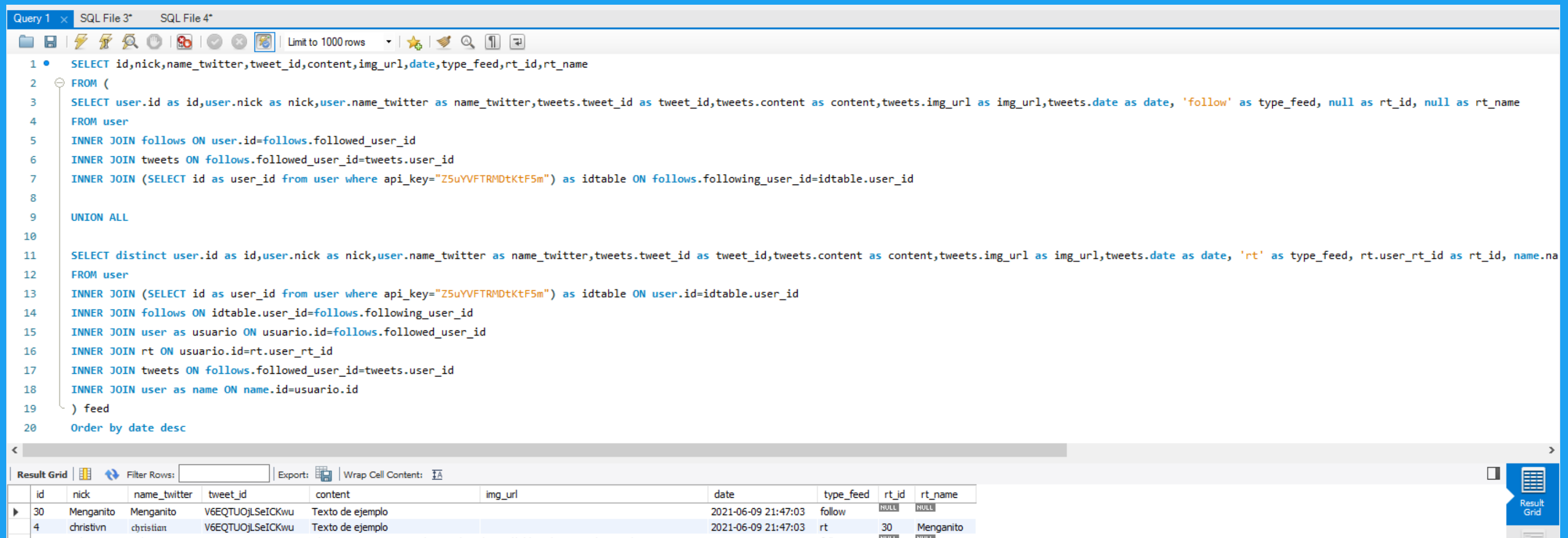
FAVS(tweet_id, user_fav_id, date)

RT(tweet_id, user_rt_id, date)

COMMENTS(tweet_id, user_id, content, date)

Base de datos

Consultas




The screenshot shows a SQL IDE interface with a query editor and a result grid. The query is a complex SQL statement involving multiple tables and joins.

```
1 • SELECT id,nick,name_twitter,tweet_id,content,img_url,date,type_feed,rt_id,rt_name
2 FROM (
3 SELECT user.id as id,user.nick as nick,user.name_twitter as name_twitter,tweets.tweet_id as tweet_id,tweets.content as content,tweets.img_url as img_url,tweets.date as date, 'follow' as type_feed, null as rt_id, null as rt_name
4 FROM user
5 INNER JOIN follows ON user.id=follows.followed_user_id
6 INNER JOIN tweets ON follows.followed_user_id=tweets.user_id
7 INNER JOIN (SELECT id as user_id from user where api_key="Z5uYVFTRMDtKtF5m") as idtable ON follows.following_user_id=idtable.user_id
8
9 UNION ALL
10
11 SELECT distinct user.id as id,user.nick as nick,user.name_twitter as name_twitter,tweets.tweet_id as tweet_id,tweets.content as content,tweets.img_url as img_url,tweets.date as date, 'rt' as type_feed, rt.user_rt_id as rt_id, name.name as rt_name
12 FROM user
13 INNER JOIN (SELECT id as user_id from user where api_key="Z5uYVFTRMDtKtF5m") as idtable ON user.id=idtable.user_id
14 INNER JOIN follows ON idtable.user_id=follows.following_user_id
15 INNER JOIN user as usuario ON usuario.id=follows.followed_user_id
16 INNER JOIN rt ON usuario.id=rt.user_rt_id
17 INNER JOIN tweets ON follows.followed_user_id=tweets.user_id
18 INNER JOIN user as name ON name.id=usuario.id
19 ) feed
20 Order by date desc
```

The result grid shows the following data:

	id	nick	name_twitter	tweet_id	content	img_url	date	type_feed	rt_id	rt_name
▶	30	Menganito	Menganito	V6EQTUOjLSeICKwu	Texto de ejemplo		2021-06-09 21:47:03	follow	NULL	NULL
	4	christivn	christian	V6EQTUOjLSeICKwu	Texto de ejemplo		2021-06-09 21:47:03	rt	30	Menganito

The background is a solid blue color. There are four decorative elements: a dark blue circle with a lighter blue center in the top-left corner, a dark blue circle with a lighter blue center in the top-right corner, a solid dark blue circle in the bottom-left corner, and a solid dark blue circle in the bottom-right corner.

BACKEND & FRONTEND

API

TOKENS ÚNICOS

La mayoría de las funciones de la API se necesita estar logeado de tener tu API_KEY

ESCALABILIDAD Y COMODIDAD

Al hacer uso de la API la aplicación está dividida en 2 partes (front/back). Esto aumenta su escalabilidad y comodidad para el desarrollo.

FULL API APP

Todos los datos mostrados en el frontend de la APP son datos en JSON que devuelve la API

API

Documentación

+25 PETICIONES DIFERENTES

login.php

Realiza el login del usuario y genera una nueva api_key.

Metodo : GET & POST

Clave de API requerida : NO

Parametros

nick : string
pass : string

Respuesta

Ejemplo

```
{
  "code": 200,
  "id": 345,
  "api_key": "njQEZNw25rVSGltI",
  "msg": "Se ha completado la peticion correctamente"
}
```

```
{
  "code": 400,
  "msg": "Datos de session incorrectos"
}
```

feed.php

Devuelve los ultimos 20 tweets ordenados por fecha de personas a las que sigues y los RT que se hacen

Metodo : GET & POST

Clave de API requerida : SI

Parametros

api_key : string
page : string

Ejemplo

```
[
  {
    "user_id": "4",
    "nick": "christivn",
    "name_twitter": "christian",
    "tweet_id": "6V8IwYTVinJsn0Ju",
    "date": "2021-04-24 02:59:33",
    "content": "TWEET TEST",
    "img_url": "",
    "type_feed": "rt",
    "rt_name": "Kaki",
    "fav": 0,
    "rt": 1,
    "comments": 0,
    "you_fav": false,
    "you_rt": false
  },
  {
    "user_id": "31",
```

[deleteTweet.php](#)

[exploreFeed.php](#)

[fav_remove.php](#)

[fav.php](#)

[feed.php](#)

[follow.php](#)

[followers.php](#)

[followings.php](#)

[login.php](#)

[logout.php](#)

[notificationFeed.php](#)

[postTweet.php](#)

[profile.php](#)

[profileFeed.php](#)

[randomUsers.php](#)

[register.php](#)

[rt_remove.php](#)

[rt.php](#)

[search.php](#)

[settings.php](#)

[settingsLoad.php](#)

[tweet.php](#)

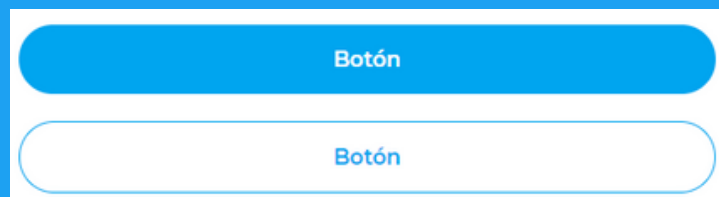
[tweetComments.php](#)

[tweetPage.php](#)

[unfollow.php](#)

Diseño (UI/UX)

Botones



Paleta de colores

Azul: #1da1f2

Blanco: #FFFFFF

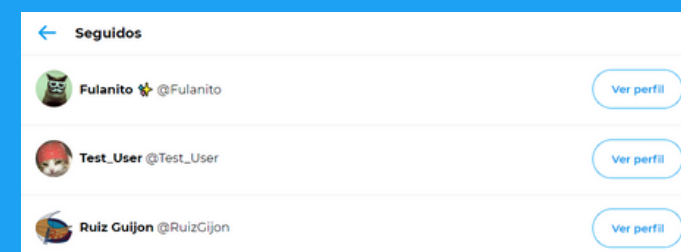
Titulos



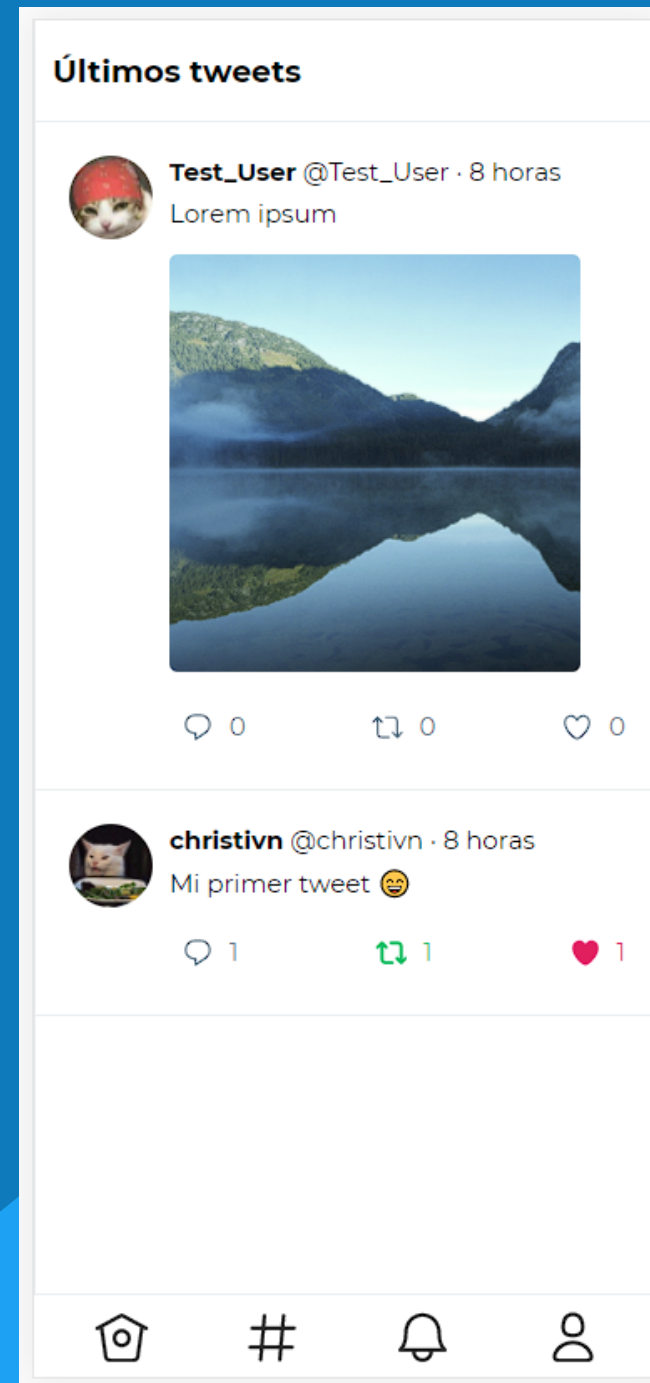
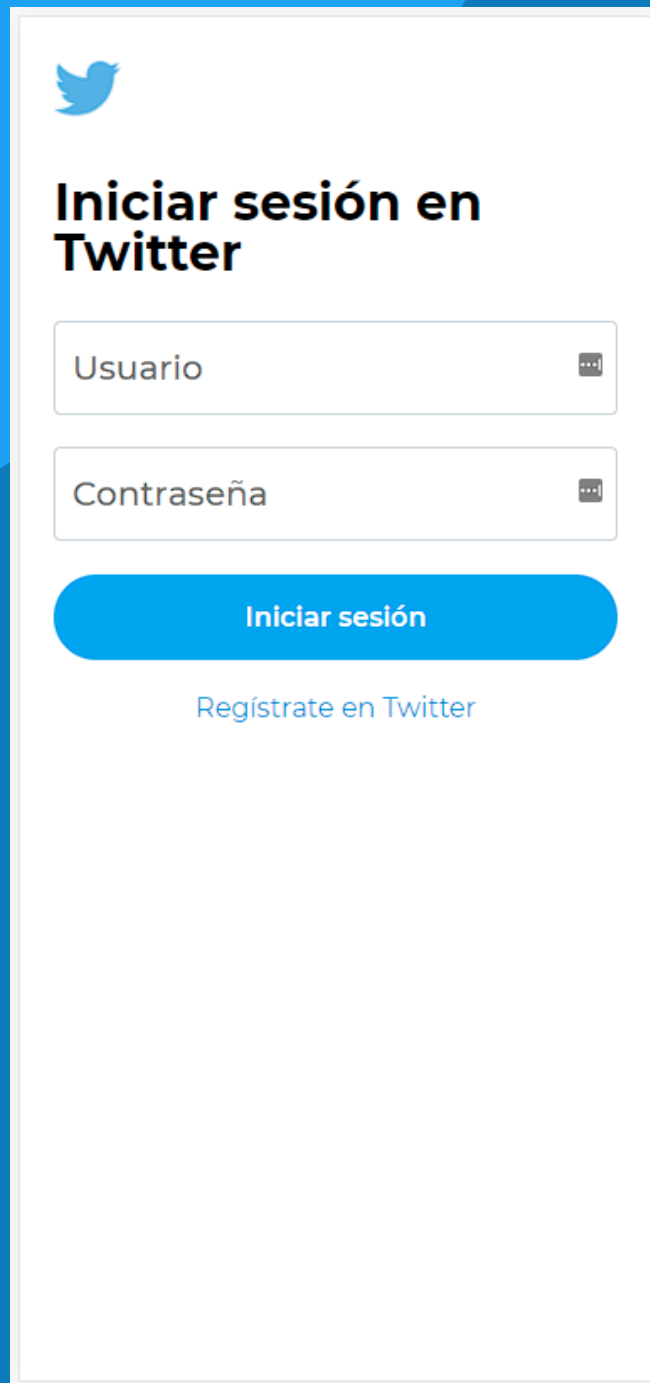
Formularios

(URL) Foto de perfil	<input type="text" value="/api/img/36_avatar.jpg"/>
(URL) Foto del banner	<input type="text" value="img/banner.jpg"/>
Nombre	<input type="text" value="Test_User"/>
Nick	<input type="text" value="@Test_User"/>
Biografía	<input type="text"/>

Listas



RESPONSIVE





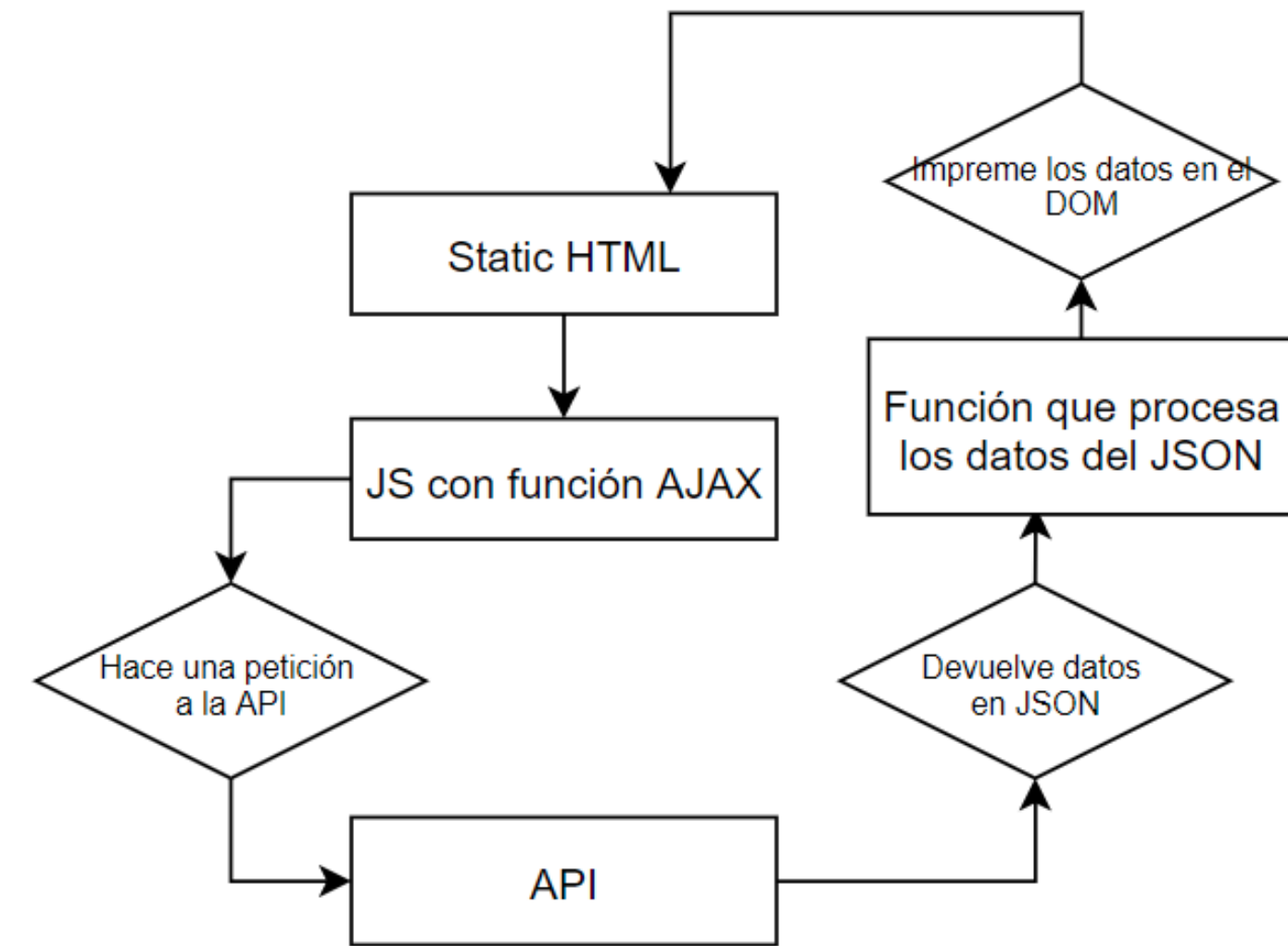
API_KEY

LOGIN Y REGISTRO

En cada login y registro el usuario genera un token único aleatoriamente. Usando este token podrá hacer consultas a la API de la aplicación

AJAX

Peticiones desde el Frontend a la API por medio de AJAX, y datos en formato JSON



Pusher

Una API en tiempo real para refrescar el feed



 > twitter-clone

| Overview

Getting Started

App Keys

Stats

Debug Console

Error Logs

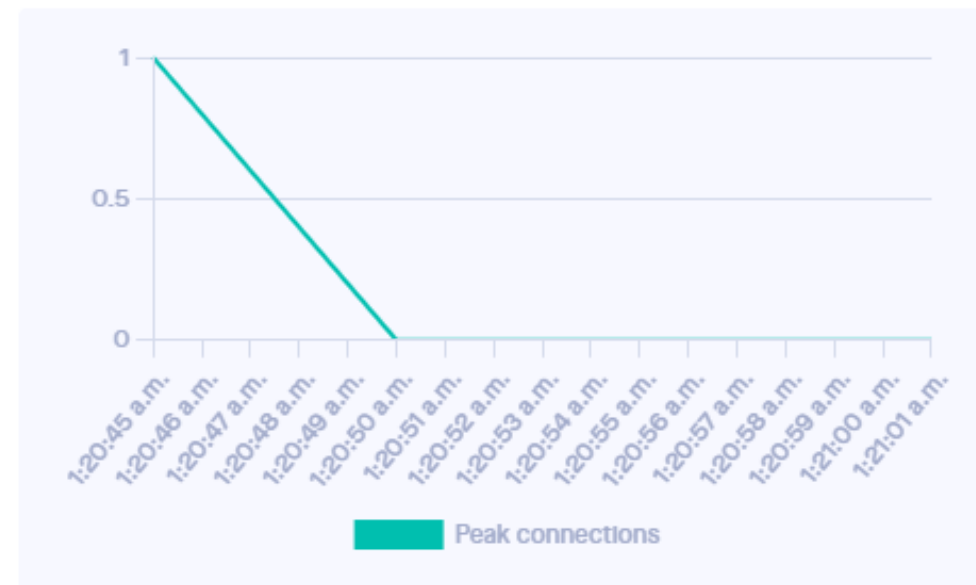
Webhooks

Collaborators

App Settings

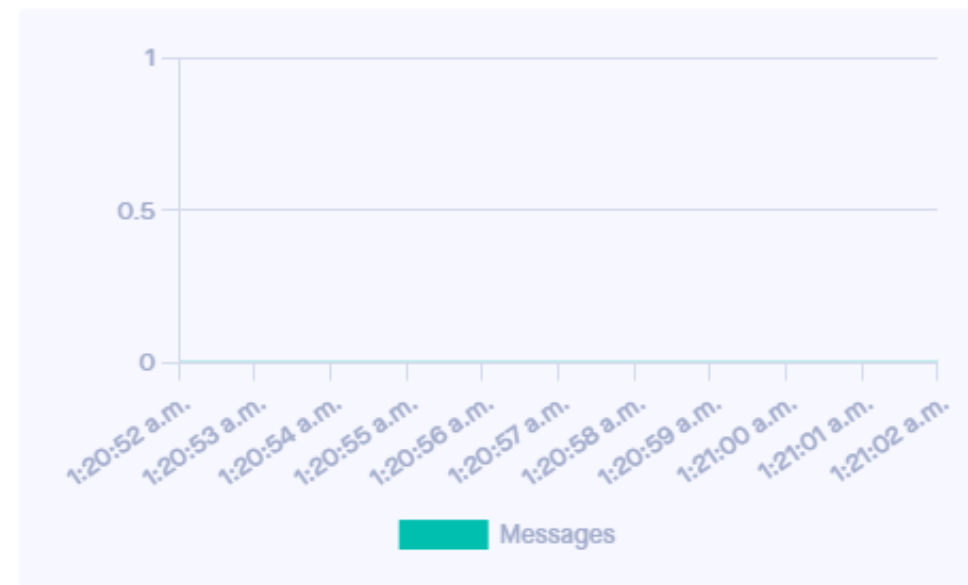
Peak connections today

3



Total messages sent today

26



These graphs update in near realtime every 5 seconds.

Deploy en la nube

En una VPS de OVH con LEMP (Linux, Nginx, Mysql, PHP)



OVH.com

Dominios / christivn.es / Zona DNS

christivn.es

Expira el 10 jun. 2022 [Renovar](#)

Acciones

Información general

Zona DNS

Servidores DNS

Redirección

DynHost

Glue

Tareas recientes

Correo electrónico y listas de correo

Aquí puede ver la configuración de los distintos registros de su dominio.

También puede configurar estos registros para asociar su dominio a los distintos servicios haciendo clic en «Añadir un registro».

Todos

Buscar un dominio...

<input type="checkbox"/> Dominio	TTL	Tipo	Destino	
<input type="checkbox"/> christivn.es.	0	NS	dns15.ovh.net.	
<input type="checkbox"/> christivn.es.	0	NS	ns15.ovh.net.	
<input type="checkbox"/> christivn.es.	0	MX	10 mx3.mail.ovh.net.	...
<input type="checkbox"/> christivn.es.	0	MX	1 mx4.mail.ovh.net.	...
<input type="checkbox"/> christivn.es.	0	A	37.187.198.52	...
<input type="checkbox"/> api.christivn.es.	0	A	37.187.198.52	...
<input type="checkbox"/> www.christivn.es.	0	A	37.187.198.52	...
<input type="checkbox"/> christivn.es.	0	TXT	"1 www.christivn.es"	...
<input type="checkbox"/> autoconfig.christivn.es.	0	CNAME	mailconfig.ovh.net.	...
<input type="checkbox"/> autodiscover.christivn.es.	0	CNAME	mailconfig.ovh.net.	...
<input type="checkbox"/> _autodiscover_tcp.christivn.es.	0	SRV	0 0 443 mailconfig.ovh.net.	...
<input type="checkbox"/> ftp.christivn.es.	0	CNAME	christivn.es.	...
<input type="checkbox"/> _imaps_tcp.christivn.es.	0	SRV	0 0 993 ssl0.ovh.net.	...

Añadir un registro

Restaurar mi zona DNS

Modificar el TTL por defecto

Editar en modo de texto

Eliminar la zona DNS

Guías

Zona DNS

VPS

- CentOS
- Nginx
- PHP
- Mysql
- VestaCP

The image shows a terminal window on the left and the VestaCP dashboard on the right. The terminal window displays the output of the 'screenfetch' command, which provides system information for a CentOS VPS. The VestaCP dashboard shows a summary of system resources and a list of domains.

Terminal Output:

```
[centos@vps-0264e6a8 ~]$ screenfetch
/usr/bin/screenfetch: line 1701: lspci: command not found

..
.PLTJ.
<><><><>
KKSSV' 4KKK LJ KKKL.'VSSKK
KKV' 4KKKKK LJ KKKKAL 'VKK
V' ' 'VKKKK LJ KKKKV' ' 'V
.4MA.' 'VKK LJ KKV' '.4Mb.
. KKKKA.' 'V LJ V' '.4KKKKK .
.4D KKKKKKA.' ' LJ ' '.4KKKKKK FA.
<QDD ++++++ ++++++ GFD>
'VD KKKKKKK'.. LJ ..'KKKKKKK FV
' VKKKKK'.. .4 LJ K. .'KKKKV '
'VK'. .4KK LJ KKA. .'KV'
A. . .4KKKK LJ KKKKA. . .4
KKA. 'KKKKK LJ KKKK' .4KK
KKSSA. VKKK LJ KKKV .4SSKK
<><><><>
'MKKM'
..

[centos@vps-0264e6a8 ~]$ Christian Ramos
```

VestaCP Dashboard:

Summary of system resources:

USER	WEB	DNS	MAIL	DB	CRON	BACKUP
users: 1	domains: 1	domains: 1	domains: 1	databases: 2	jobs: 9	backups: 2
suspended: 0	aliases: 1	records: 14	accounts: 0	suspended: 0	suspended: 0	
	suspended: 0	suspended: 0	suspended: 0			

Domain details for **christivn.es** (www.christivn.es):

Bandwidth	Disk	Web Template	SSL Support	Web Statistics	Proxy Support	Proxy Template	Additional FTP
0 mb	1 mb	default					admin_frontend

¿Por qué una VPS y no un Hosting Compartido?



VS





Está en Github

<https://github.com/christivn/twitter-clone>

The screenshot shows the GitHub repository page for 'christivn/twitter-clone'. The repository is on the 'main' branch, has 2 branches, and 0 tags. The repository description is 'Twitter Clone (PHP,JS,AJAX)'. The repository contains several files and folders, including .VSCodeCounter, DB, backend, documentacion-api, frontend, and modelo-entidad-relacion. The repository has 66ce131 commit, 10 hours ago, and 33 commits. The repository is a Twitter Clone (PHP,JS,AJAX) project. The repository is a Twitter Clone (PHP,JS,AJAX) project. The repository is a Twitter Clone (PHP,JS,AJAX) project.

File/Folder	Commit Message	Time Ago
.VSCodeCounter	Feed Pusher Refresh Fix	3 days ago
DB	Update twitter.sql	2 days ago
backend	Delete README.md	2 days ago
documentacion-api	Update login.md	10 hours ago
frontend	Delete Nuevo documento de texto.txt	2 days ago
modelo-entidad-relacion	UPDATE	2 months ago

About

Twitter Clone (PHP,JS,AJAX)

php twitter ajax

Languages

Language	Percentage
HTML	36.6%
JavaScript	31.9%
PHP	19.2%
SCSS	12.3%



FIN

Christian Ramos Ortiz

Repositorio Github: <https://github.com/christivn/twitter-clone>

URL de la demo: <http://christivn.es/demo/twitter-clone>