

Adquisición de un servidor con certificado:

Adquirir una instancia de ec2 para colocar ahi el codigo del servidor

t2.micro
Family: t2 1 vCPU 1 GiB Memory
On-Demand Linux pricing: 0.0138 USD per Hour
On-Demand Windows pricing: 0.0184 USD per Hour

Free tier eligible

[Precio de la instancia adquirida]

Conectarse vía SSH y configurar el servidor

```
admin@ip-172-31-0-117: ~
C:\Users\jairo\OneDrive\Escritorio>ssh -i "jairo-ubuntu.pem" admin@ec2-54-176-31-206.us-west-1.compute.amazonaws.com
ssh: Could not resolve hostname ec2-54-176-31-206.us-west-1.compute.amazonaws.com: No such host is known
C:\Users\jairo\OneDrive\Escritorio>ssh -i "jairo-ubuntu.pem" admin@ec2-54-176-31-206.us-west-1.compute.amazonaws.com
Linux ip-172-31-0-117 5.10.0-18-cloud-amd64 #1 SMP Debian 5.10.140-1 (2022-09-02) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Fri Sep 30 01:37:07 2022 from 189.204.255.2
admin@ip-172-31-0-117:~$
```

Instalar Postgresql y verificar que exista el proceso y este corriendo

```
admin@ip-172-31-0-117:~$ sudo systemctl status postgresql
admin@ip-172-31-0-117:~$ ssh -i "jairo-ubuntu.pem" admin@ec2-54-176-31-206.us-west-1.compute.amazonaws.com
Linux ip-172-31-0-117 5.10.0-18-cloud-amd64 #1 SMP Debian 5.10.140-1 (2022-09-02) x86_64


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Last login: Fri Sep 30 21:48:25 2022 from 189.204.255.2
admin@ip-172-31-0-117:~$ sudo systemctl status postgresql
• postgresql.service - PostgreSQL RDBMS
  Loaded: loaded (/lib/systemd/system/postgresql.service; enabled; vendor preset: enabled)
  Active: active (exited) since Wed 2022-09-28 22:54:22 UTC; 1 day 22h ago
  Process: 579 ExecStart=/bin/true (code=exited, status=0/SUCCESS)
  Main PID: 579 (code=exited, status=0/SUCCESS)
  CPU: 1ms

Sep 28 22:54:22 ip-172-31-0-117 systemd[1]: Starting PostgreSQL RDBMS...
Sep 28 22:54:22 ip-172-31-0-117 systemd[1]: Finished PostgreSQL RDBMS.
admin@ip-172-31-0-117:~$
```

Descargar el código, instalar las dependencias necesarias y ejecutarlo con un cliente adecuado para el servidor

```
admin@ip-172-31-0-117:~/Servidor/back$ sudo pm2 start server.js
[PM2] Starting /home/admin/Servidor/back/server.js in fork_mode (1 instance)
[PM2] Done.
```

id	name	mode		status	cpu	memory
0	server	fork	0	online	0%	31.8mb

Comprar un dominio y adquirir un certificado para el dominio, vincular el dominio a la instancia de ec2.

Configurar un “Load Balancer” para que redirija el tráfico https con ayuda del certificado

Corroborar que la api esté arriba

Certificate Viewer: juresca-api.com ✕

General Details

Issued To

Common Name (CN)	juresca-api.com
Organization (O)	<Not Part Of Certificate>
Organizational Unit (OU)	<Not Part Of Certificate>

Issued By

Common Name (CN)	Amazon
Organization (O)	Amazon
Organizational Unit (OU)	Server CA 1B

Validity Period

Issued On	Tuesday, September 27, 2022 at 7:00:00 PM
Expires On	Saturday, October 28, 2023 at 6:59:59 PM

Fingerprints

SHA-256 Fingerprint	9A C5 8E 8D 0D EC 5A B9 7C 3B 23 84 78 98 55 A5 B9 EC A2 18 AD 34 73 DE 16 3C 0E 98 6A 76 AE 45
SHA-1 Fingerprint	B4 67 59 E1 BD 62 30 CB EE 90 30 81 22 30 2B 28 F4 00 E3 27