

**"Cambia tu dirección,
asegura tu conexión"**



192.168.4.47



Conexión Directa = Exposición

192.168.4.47



Direcciones

IP

Una dirección IP (Protocolo de Internet) es un identificador numérico único asignado a cada dispositivo conectado a una red informática.

MAC

Una dirección MAC (Media Access Control) es un identificador único asignado a la interfaz de red de un dispositivo.



192.168.0.1

aa:bb:cc:dd:ee:ff

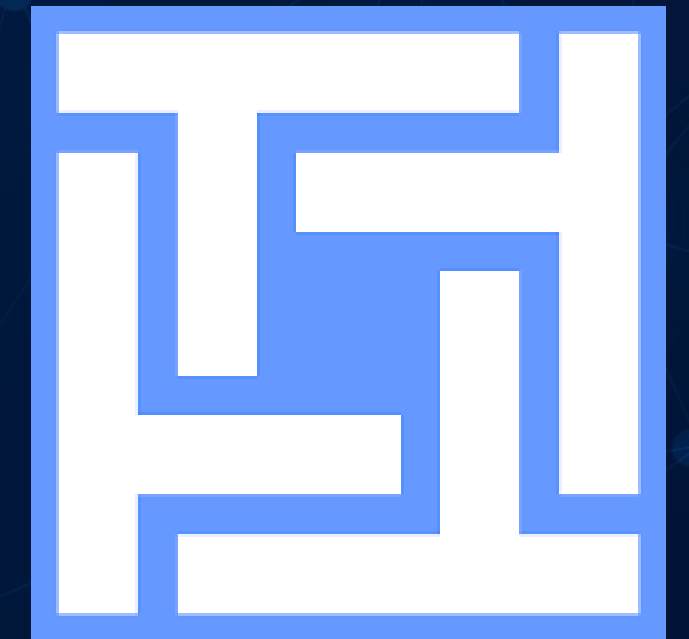
¿Cómo las cambio?



VPN



MACChanger



VPN

Una red virtual privada es una tecnología que actúa como intermediario y permite establecer una conexión segura y cifrada entre dos puntos a través de una red pública, como Internet. La principal finalidad de una VPN es proporcionar privacidad y seguridad a los usuarios al cifrar los datos transmitidos entre su dispositivo y el servidor al que se conectan.



Servidor VPN



Túnel Cifrado

hola.com

Servidor VPN

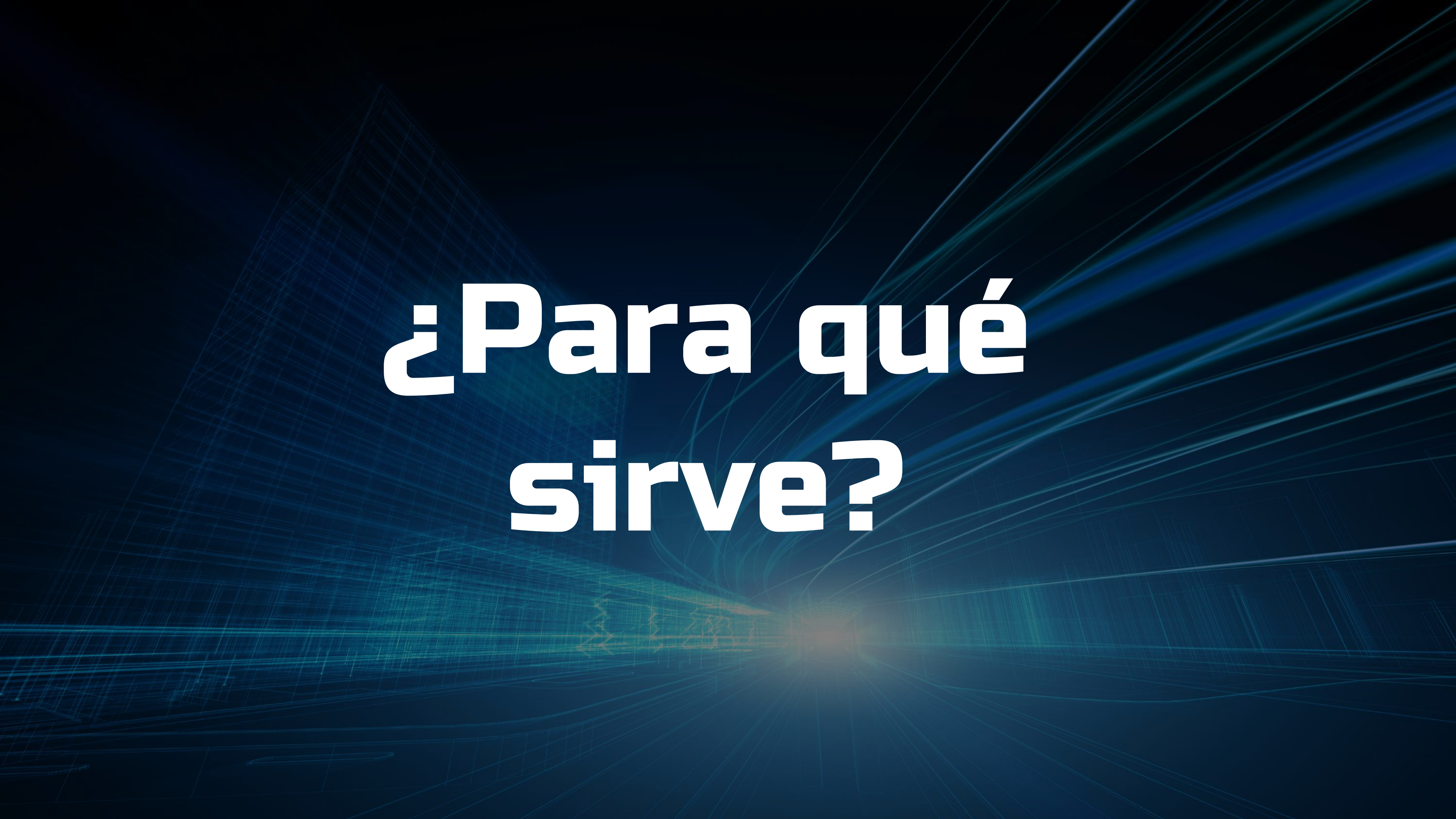


hola.com



hola.com



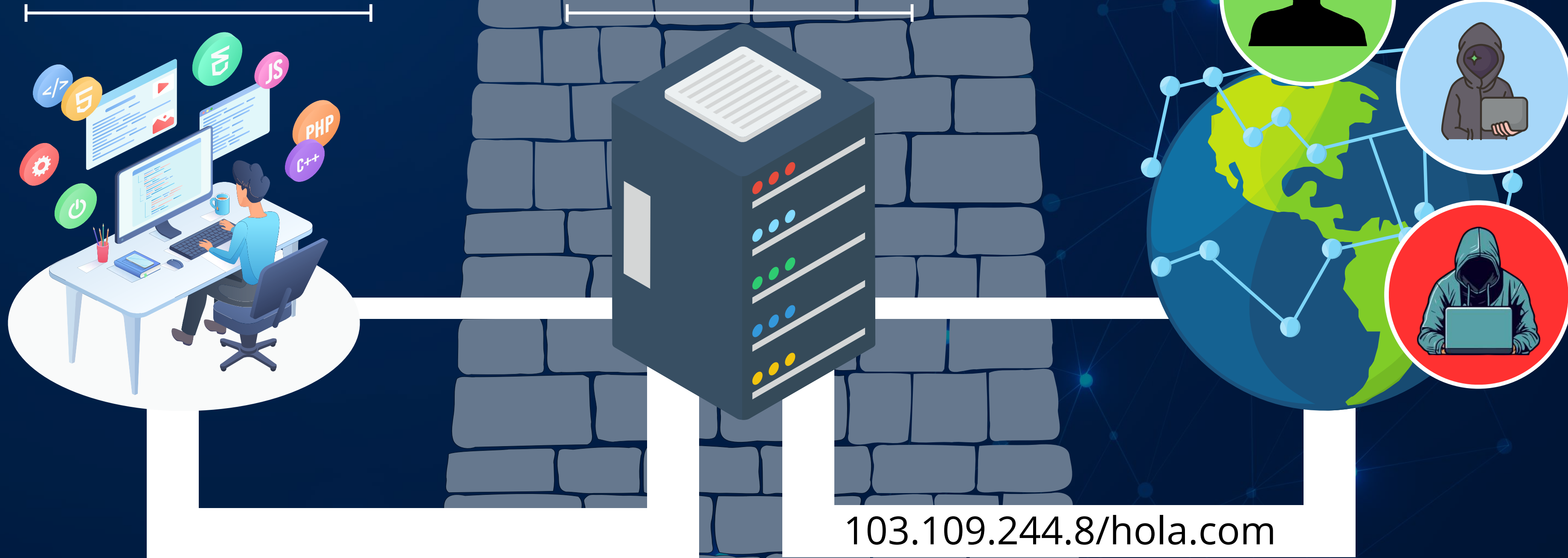
The background is a dark blue gradient with a complex pattern of glowing, thin blue lines that radiate from a central point on the right side, creating a sense of depth and movement. The lines form a grid-like structure that recedes into the distance.

**¿Para qué
sirve?**

Privacidad y Anonimato

???.??

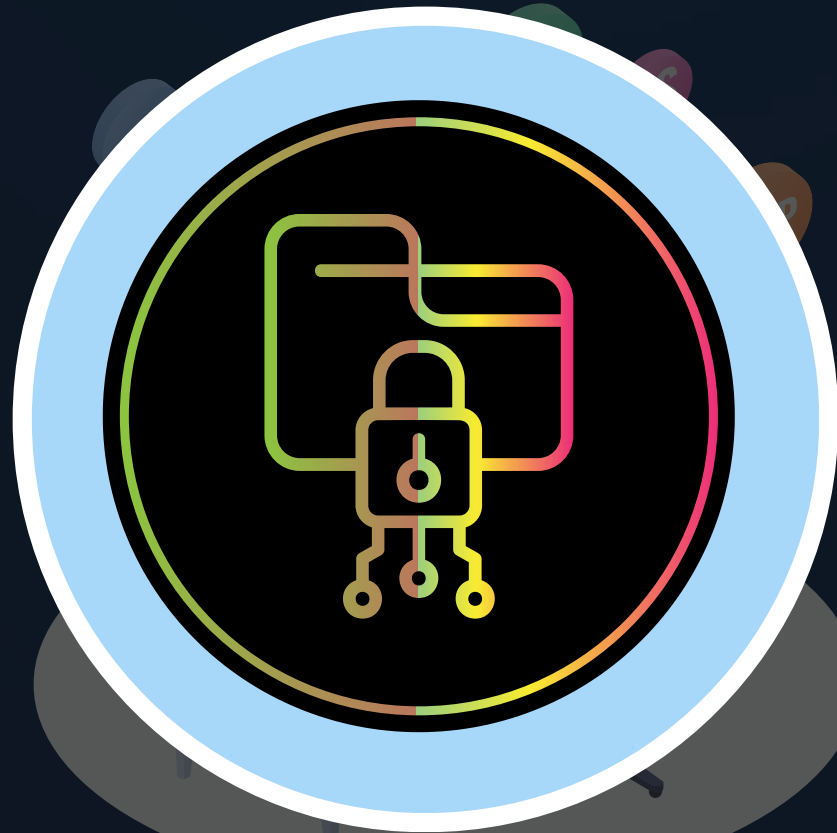
103.109.244.8



Privacidad y Anonimato

???.?.

103.109.244.8



Encripta tu
conexión



Mejor seguridad al
estar conectado a
redes públicas



Evita que te
geolocalicen

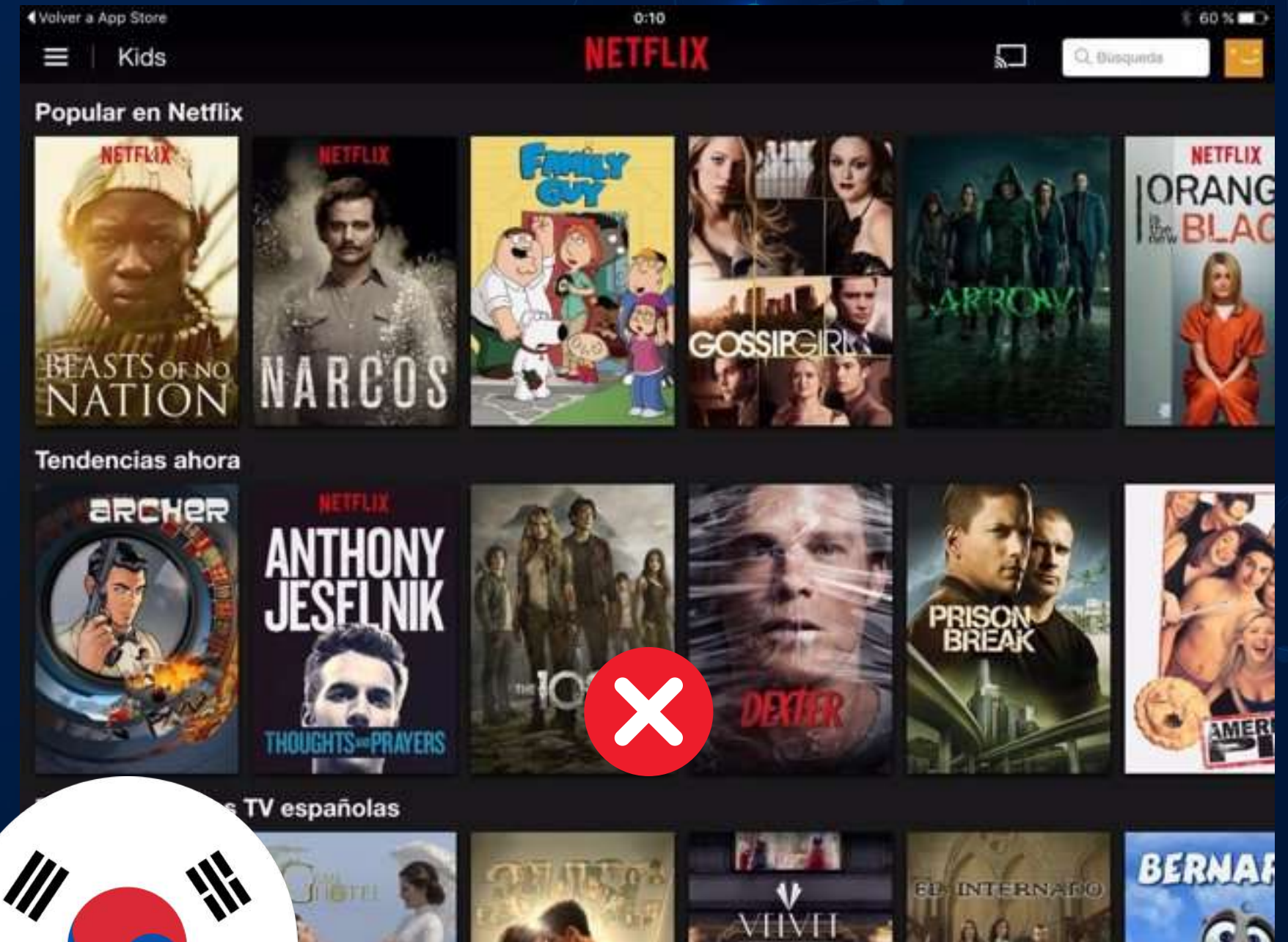
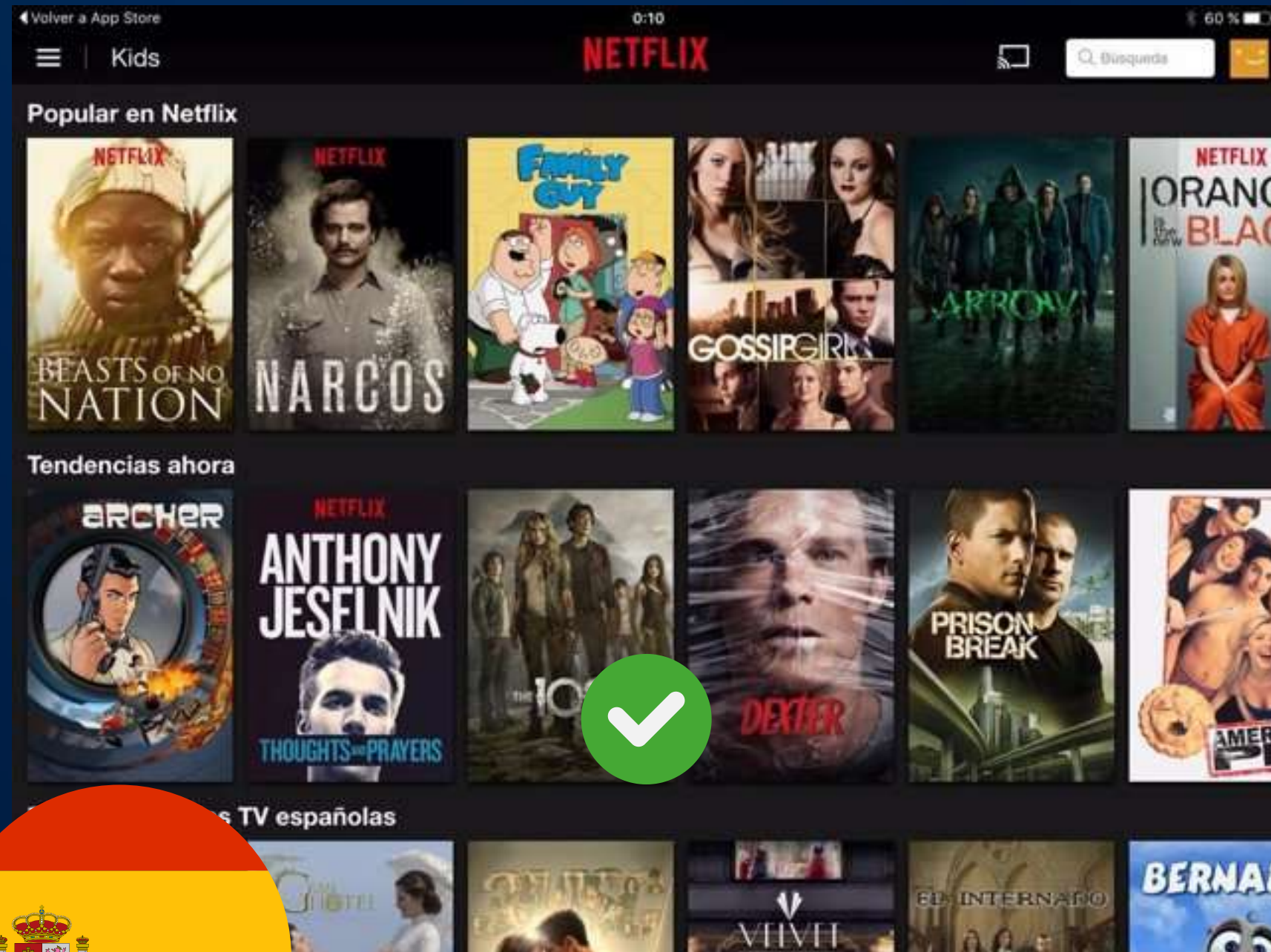


Mejora la velocidad
de descarga de
Torrents

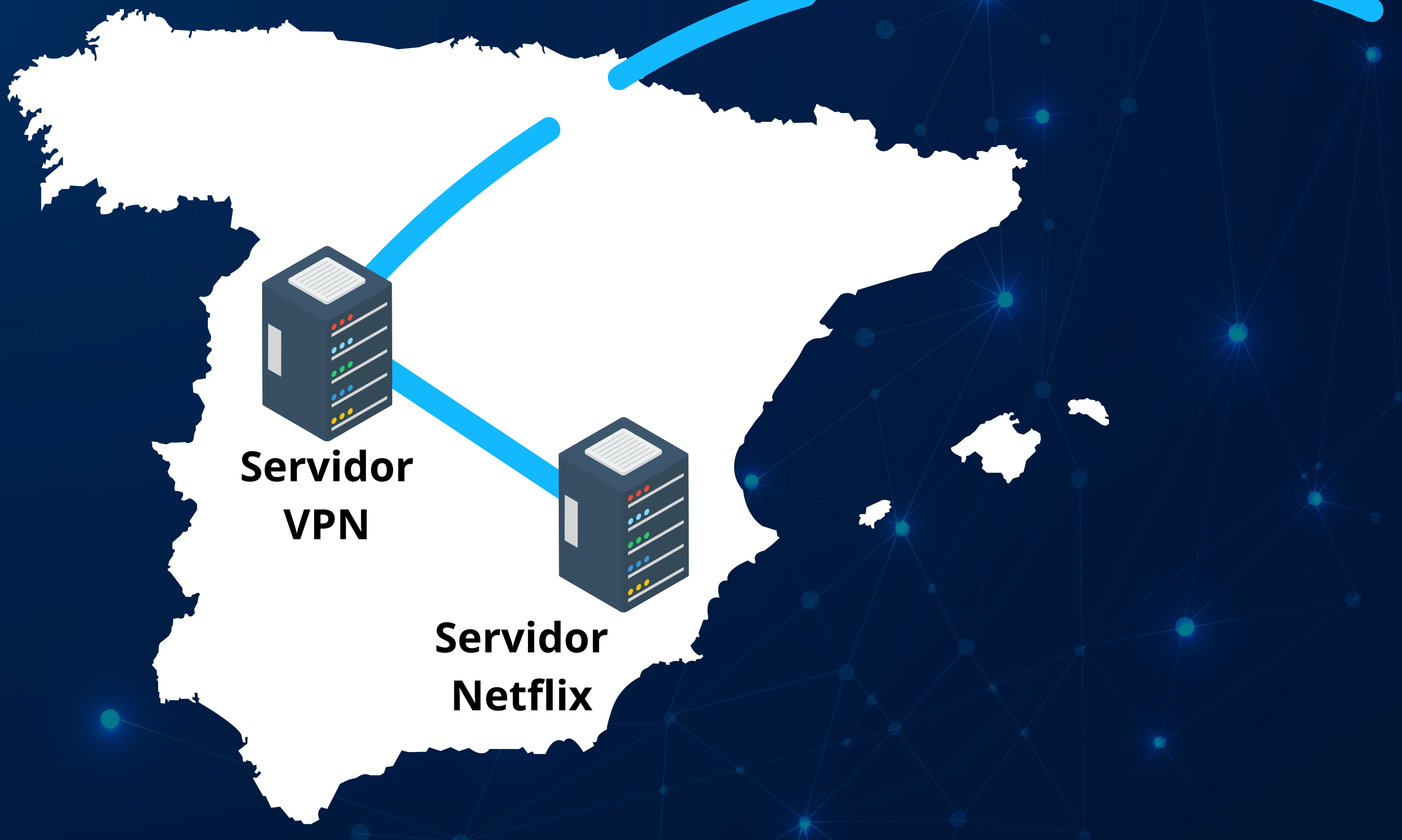
Geo-Desbloqueo



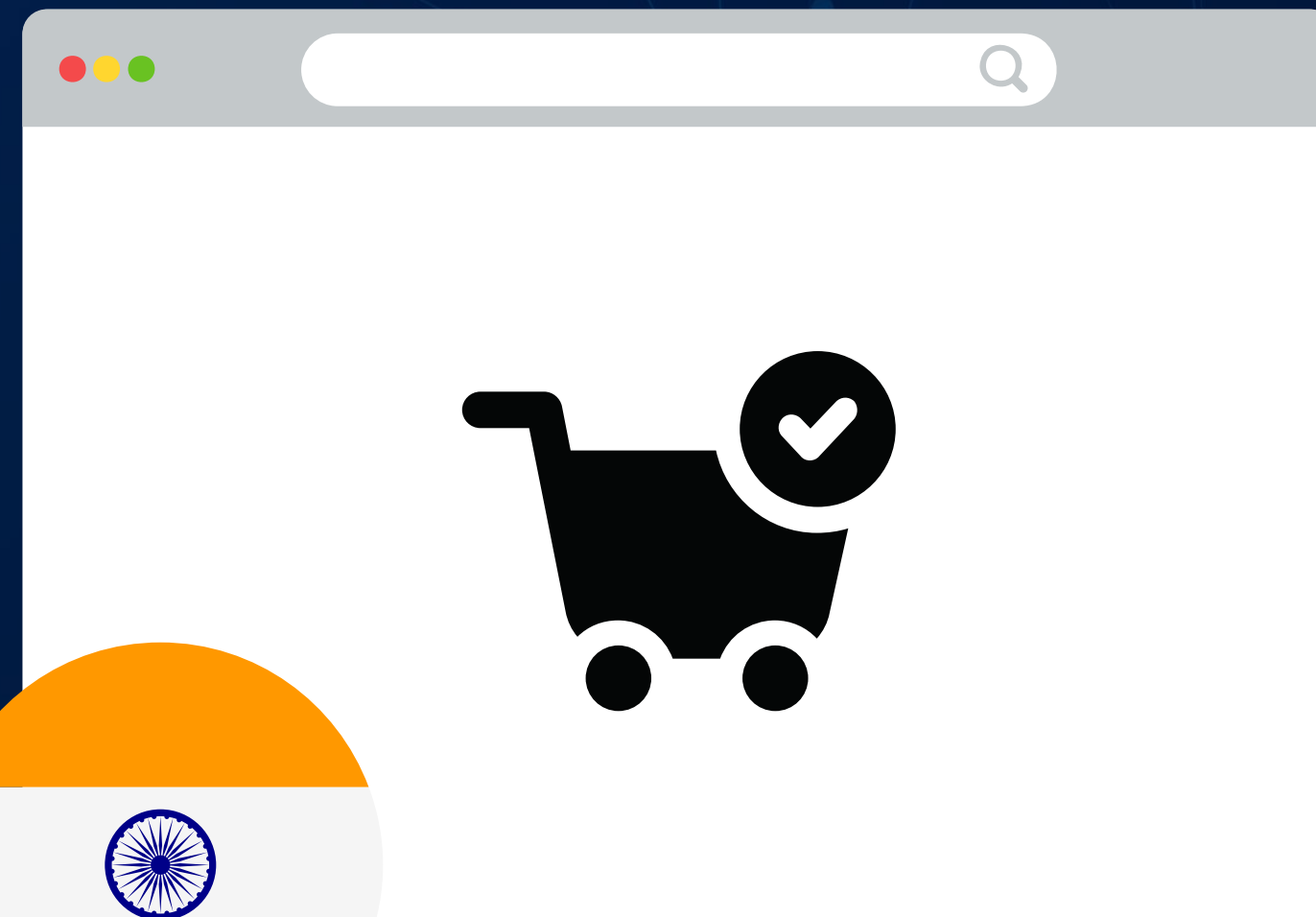
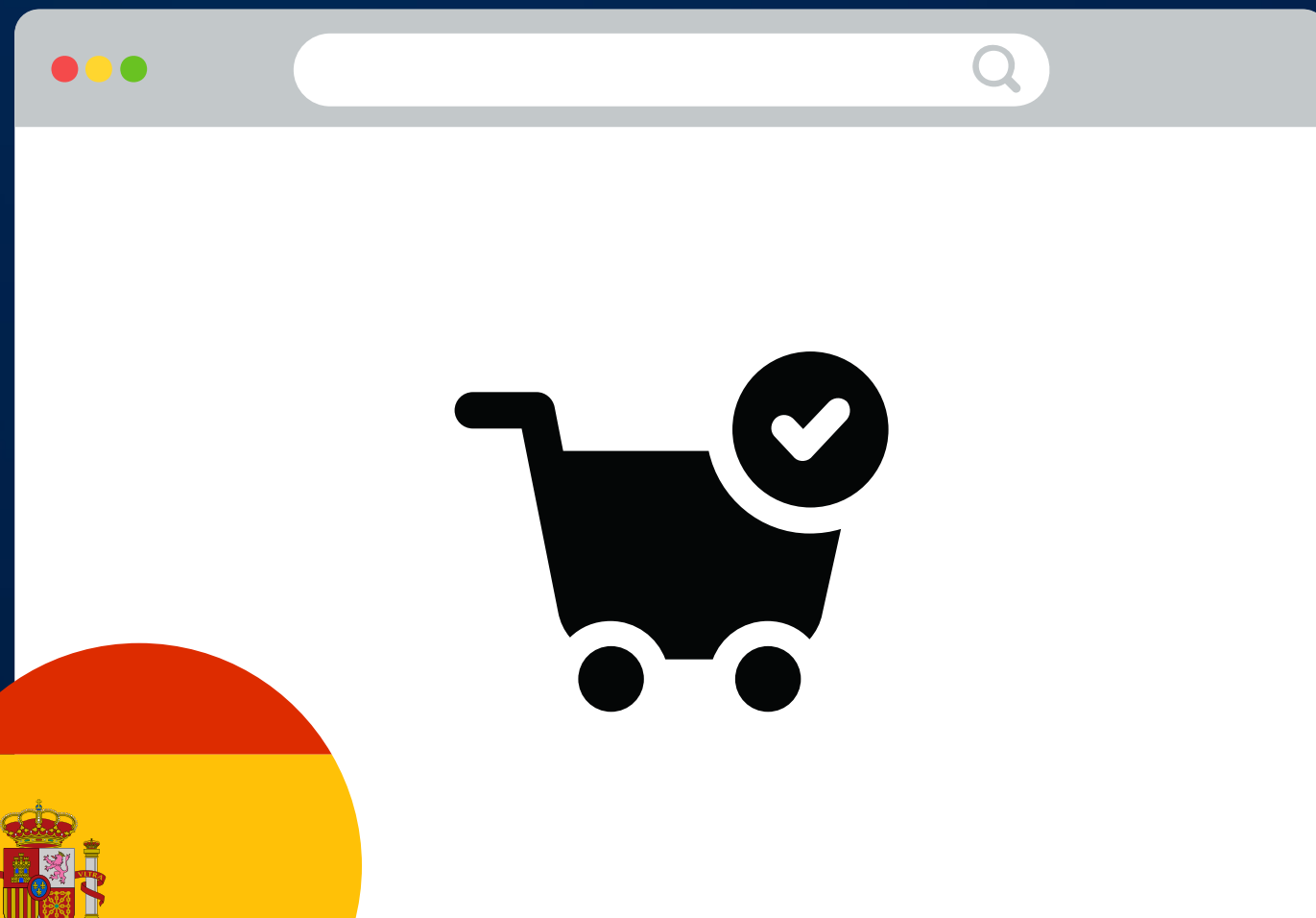
Geo-Desbloqueo



Geo-Desbloqueo



Geo-Precios



Extra



También bloquea a nuestro ISP

Prevenir Limitación del Ancho de Banda

El uso de una VPN puede dificultar que el ISP detecte y aplique estas restricciones, ya que todo tu tráfico se cifra y parece similar.

Ocultar Navegación

Tu ISP no puede ver qué sitios web estás visitando ni acceder a detalles específicos de tus actividades en línea.

Ocultar IP

Solo verán que te estás conectando al servidor VPN y no podrán ver tu dirección IP real.

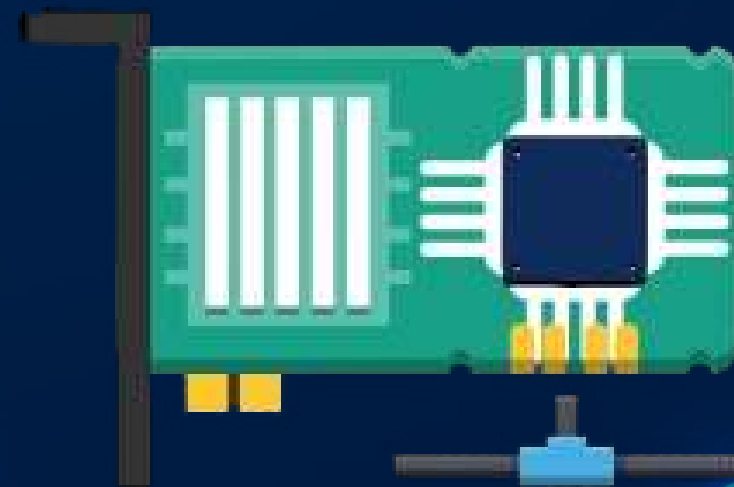
MACChanger

Es una herramienta que permite cambiar la dirección MAC de una interfaz de red en sistemas operativos. Existen varias opciones dependiendo del sistema operativo.

Technitium



**GNU
MACChanger**



BusyBox



WifiSpoofer



Technitium Windows

Technitium MAC Address Changer v6 - by Shreyas Zare

File Action Options Help

Network Connections	Changed	MAC Address	Link Status	Speed
☐ Conexión de área local* 11	No	E2-C2-64-50-E6-B4	Down, Non Operational	0 bps
☐ Ethernet (depurador de kernel)	No	00-00-00-00-00-00	Down, Non Operational	0 bps
☒ Ethernet 2	No	D8-43-AE-0F-70-9C	Up, Operational	1 gbps
☐ Wi-Fi	No	E0-C2-64-50-E6-B4	Down, Non Operational	0 bps

Information IP Address Presets

Connection Details

Connection Ethernet 2

Device Intel(R) Ethernet Controller (3) I225-V

Hardware ID PCI\VEN_8086&DEV_15F3&SUBSYS_7D91146:

Config ID {81C941C6-16A3-4F94-BAD4-B3390F3FB8F1}

TCP/IPv4: Enabled TCP/IPv6: Enabled

Original MAC Address

D8-43-AE-0F-70-9C

Unknown Vendor

Active MAC Address

D8-43-AE-0F-70-9C (Original)

Unknown Vendor

Change MAC Address

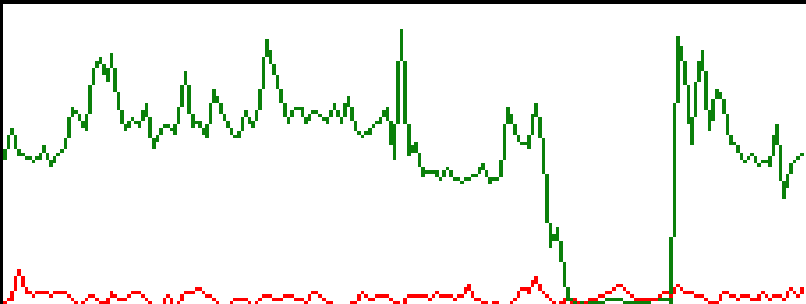
- - - - - Random MAC Address

☒ Automatically restart network connection to apply changes

☒ Make new MAC address persistent

☐ Use '02' as first octet of MAC address [Why?](#)

Change Now! Restore Original

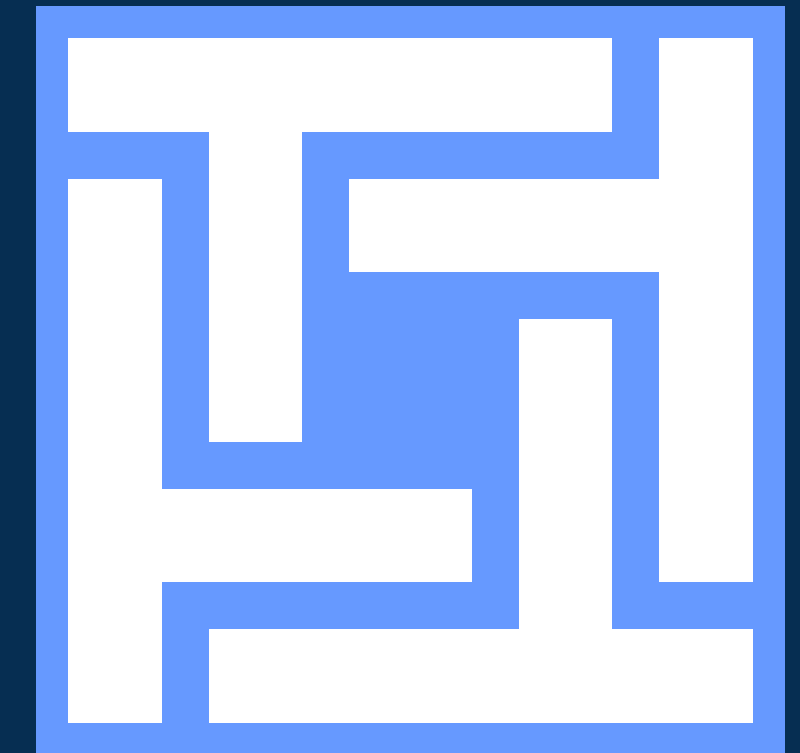


Received 95,68 MB (100323557 bytes)

--Speed 29,52 KB/s (30230 bytes)

Sent 131,55 MB (137936265 bytes)

--Speed 186,12 KB/s (190589 bytes)



Technitium MAC Address Changer v6 - by Shreyas Zare

FileActionOptionsHelp

Network Connections	Changed	MAC Address	Link Status	Speed
☐ Conexión de área local* 11	No	E2-C2-64-50-E6-B4	Down, Non Operational	0 bps
☐ Ethernet (depurador de kernel)	No	00-00-00-00-00-00	Down, Non Operational	0 bps
☒ Ethernet 2	No	D8-43-AE-0F-70-9C	Up, Operational	1 gbps
☐ Wi-Fi	No	E0-C2-64-50-E6-B4	Down, Non Operational	0 bps

InformationIP AddressPresets

Connection Details

Connection

Ethernet 2

Device

Intel(R) Ethernet Controller (3) I225-V

Hardware ID

PCI\VEN_8086&DEV_15F3&SUBSYS_7D91146;

Config ID

{81C941C6-16A3-4F94-BAD4-B3390F3FBBF1}

TCP/IPv4:

Enabled

TCP/IPv6:

Enabled

Original MAC Address

D8-43-AE-0F-70-9C
Unknown Vendor

Active MAC Address

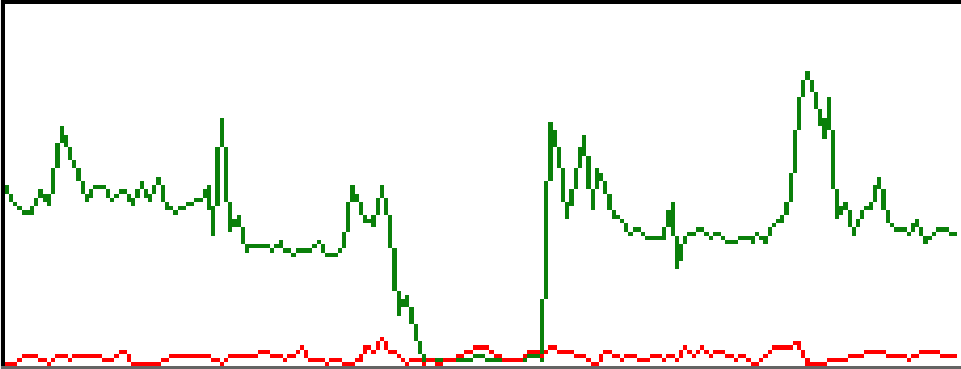
D8-43-AE-0F-70-9C (Original)
Unknown Vendor

Change MAC Address

- - - - -

Random MAC Address

[C4-A8-1D] D-Link International (Address: 1 Internal Business Par
[18-62-2C] Sagemcom Broadband SAS (Address: 250 route de l'E
[7C-03-D8] Sagemcom Broadband SAS (Address: 250 route de l'E
[E8-F1-B0] Sagemcom Broadband SAS (Address: 250 route de l'E
[00-F8-71] DGS Denmark A/S (Address: Kongebakken 9, SmÅ, r
[D8-54-3A] Texas Instruments (Address: 12500 TI Boulevard, MS
[7C-8E-E4] Texas Instruments (Address: 12500 TI Boulevard, MS
[BC-0D-A5] Texas Instruments (Address: 12500 TI Boulevard, MS



Received	96,13 MB (100796686 bytes)
-Speed	9,78 KB/s (10019 bytes)
Sent	138,24 MB (144955008 bytes)
-Speed	177,02 KB/s (181269 bytes)

Technitium MAC Address Changer v6 - by Shreyas Zare

FileActionOptionsHelp

Network Connections	Changed	MAC Address	Link Status	Speed
☐ Conexión de área local* 11	No	E2-C2-64-50-E6-B4	Down, Non Operational	0 bps
☐ Ethernet (depurador de kernel)	No	00-00-00-00-00-00	Down, Non Operational	0 bps
☒ Ethernet 2	Yes	00-F8-71-D1-B2-C6	MAC Address Changed	0 bps
☐ Wi-Fi	No	E0-C2-64-50-E6-B4	Down, Non Operational	0 bps

InformationIP AddressPresets

Connection Details

Connection

Ethernet 2

Device

Intel(R) Ether

Hardware ID

PCI\VEN_80

Config ID

{81C941C6-1

TCP/IPv4:

Enabled

Change MAC Address

- - - - -

Random MAC Address

☒ Automatically restart network connection to apply changes

☒ Make new MAC address persistent

☐ Use '02' as first octet of MAC address [Why?](#)

Change Now!

Restore Original

MAC Address Changed Successfully

MAC Address was changed successfully.

Aceptar

Received

1,23 MB (1286986 bytes)

--Speed

91,55 KB/s (93745 bytes)

Sent

1,4 MB (1470194 bytes)

--Speed

163,87 KB/s (167800 bytes)



Network Connections	Changed	MAC Address	Link Status	Speed
☐ Conexión de área local* 11	No	E2-C2-64-50-E6-B4	Down, Non Operational	0 bps
☐ Ethernet (depurador de kernel)	No	00-00-00-00-00-00	Down, Non Operational	0 bps
☒ Ethernet 2	Yes	00-F8-71-D1-B2-C6	Up, Non Operational	0 bps
☐ Wi-Fi	No	E0-C2-64-50-E6-B4	Down, Non Operational	0 bps

Connection Details

Connection Ethernet 2

Device Intel(R) Ethernet Controller (3) I225-V

Hardware ID PCI\VEN_8086&DEV_15F3&SUBSYS_7D91146;

Config ID {81C941C6-16A3-4F94-BAD4-B3390F3FBBF1}

TCP/IPv4: Enabled

TCP/IPv6: Enabled

Original MAC Address

D8-43-AE-0F-70-9C

Unknown Vendor

Active MAC Address

00-F8-71-D1-B2-C6 (Changed)

DGS Denmark A/S (Address: Kongebakken 9, Sm

Change MAC Address

- - - - - Random MAC Address

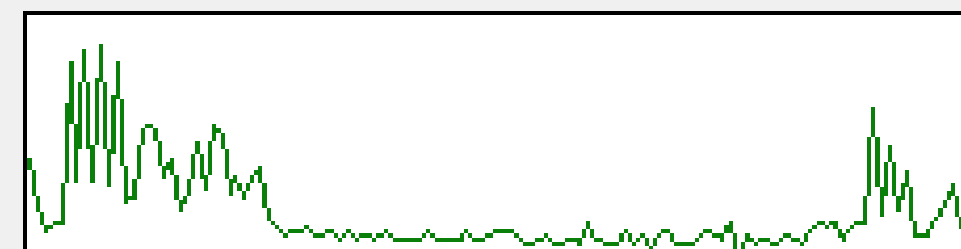
☒ Automatically restart network connection to apply changes

☒ Make new MAC address persistent

☐ Use '02' as first octet of MAC address [Why?](#)

Change Now !

Restore Original



Received 2,84 MB (2974949 bytes)

--Speed 2,75 KB/s (2813 bytes)

Sent 33,9 MB (35545353 bytes)

--Speed 182,03 KB/s (186398 bytes)

Technitium MAC Address Changer v6 - by Shreyas Zare

FileActionOptionsHelp

Network Connections	Changed	MAC Address	Link Status	Speed
☐ Conexión de área local* 11	No	E2-C2-64-50-E6-B4	Wait...	0 bps
☐ Ethernet (depurador de kernel)	No	00-00-00-00-00-00	Down, Non Operational	0 bps
☒ Ethernet 2	No	D8-43-AE-0F-7D-9C	MAC Address Restored	0 bps
☐ Wi-Fi	No	E0-C2-64-50-E6-B4	Down, Non Operational	0 bps

InformationIP AddressPresets

Connection Details

Connection

Ethernet

Device

Intel(R) ...

Hardware ID

PCI\VEN...

Config ID

{81C94...

TCP/IPv4:

Enable

Change MAC Address

- - - - -

Random MAC Address

☒ Automatically restart network connection to apply changes

☒ Make new MAC address persistent

☐ Use '02' as first octet of MAC address [Why?](#)

Change Now!

Restore Original

Received

0 byte (0 bytes)

--Speed

0 B/s (0 bytes)

Sent

0 byte (0 bytes)

--Speed

0 B/s (0 bytes)

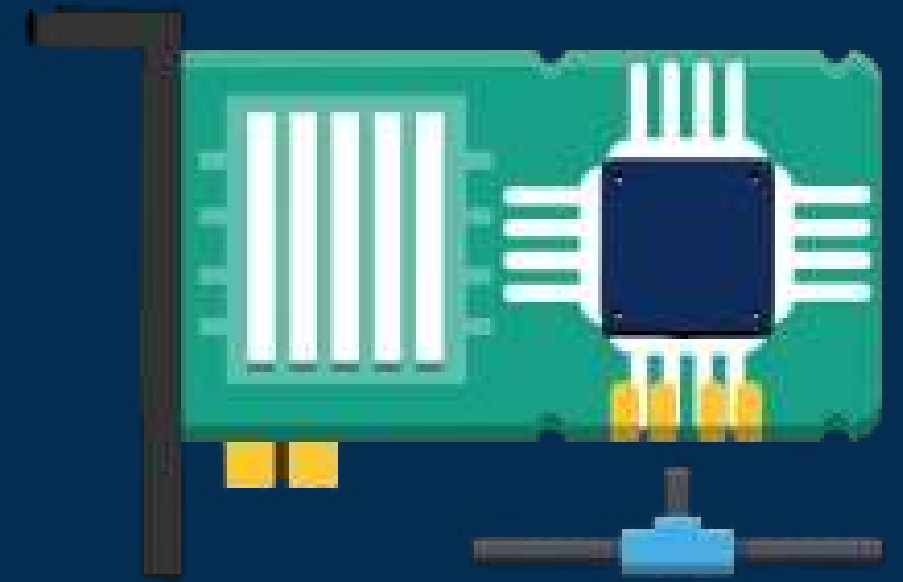
MAC Address Restored Successfully

MAC Address was restored to original successfully.

Aceptar

GNU MACChanger

- Funciona a través de la terminal de Linux
- Installed size: 637 KB
- `sudo apt install macchanger`



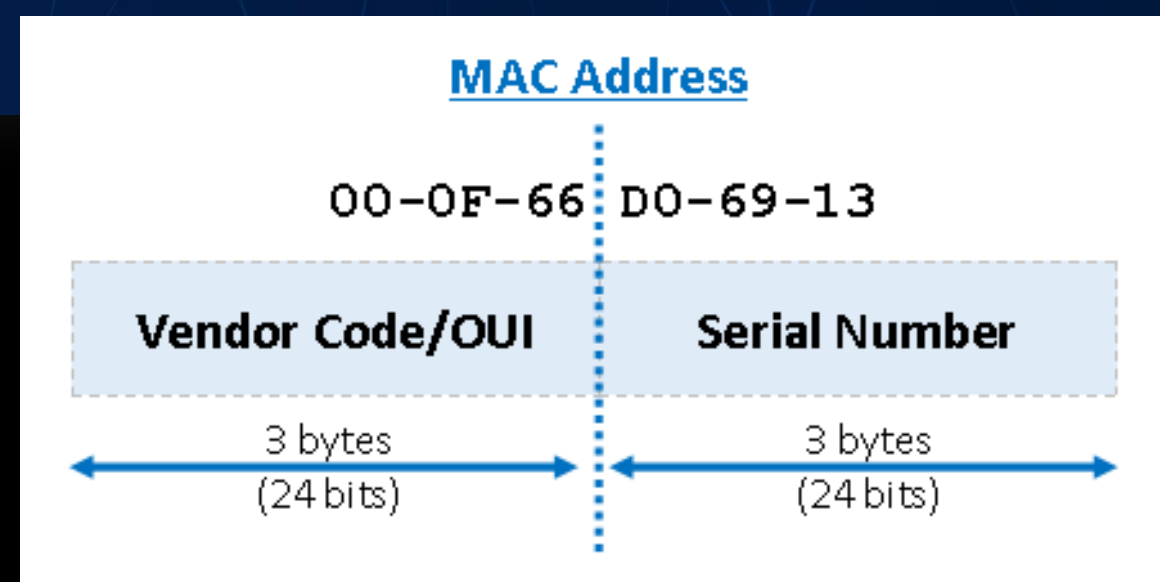
```
root@kali:~# macchanger -h
```

GNU MAC Changer

Usage: macchanger [options] device

-h,	--help	Print this help
-V,	--version	Print version and exit
-s,	--show	Print the MAC address and exit
-e,	--ending	Don't change the vendor bytes
-a,	--another	Set random vendor MAC of the same kind
-A		Set random vendor MAC of any kind
-p,	--permanent	Reset to original, permanent hardware MAC
-r,	--random	Set fully random MAC
-l,	--list[=keyword]	Print known vendors
-b,	--bia	Pretend to be a burned-in-address
-m,	--mac=XX:XX:XX:XX:XX:XX	
	--mac XX:XX:XX:XX:XX:XX	Set the MAC XX:XX:XX:XX:XX:XX

Report bugs to <https://github.com/alobbs/macchanger/issues>



Ver la MAC actual:

macchanger -s eth0

Cambiar la MAC:

sudo macchanger -m 00:11:22:33:44:55 eth0

Cambiar aleatoriamente la MAC:

sudo macchanger -r eth0

Restaurar MAC original:

sudo macchanger -p eth0



¡Ten cuidado!

¿Que he de tener en cuenta?

1. Secuencia adecuada:

- Cambia la dirección MAC antes de conectarte a la VPN. Algunas VPNs pueden asociar la dirección MAC de tu dispositivo cuando te conectas por primera vez.

2. Desactiva la interfaz antes de cambiar la dirección MAC:

- Esto evitará problemas con la conexión mientras se realiza el cambio.

3. Selecciona la interfaz correcta:

- Especifica la interfaz de red correcta al usar macchanger. Asegúrate de cambiar la dirección MAC de la interfaz que estás utilizando para la conexión a Internet.

País	Fabricante Predominante
Estados Unidos	Intel Corporation
China	TP-Link Technologies Co., Ltd.
Japón	Intel Corporation
Alemania	AVM (Fritz!Box)
Reino Unido	TP-Link Technologies Co., Ltd.
India	D-Link Corporation
Brasil	Intel Corporation
Australia	ASUS (ASUSTeK Computer Inc.)
Canadá	ASUS (ASUSTeK Computer Inc.)
Francia	TP-Link Technologies Co., Ltd.

**“Es más sabio construir muros antes que
reconstruir ruinas”**



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