



Digital Security  
**Progress. Protected.**

# Profesionales en entornos públicos y redes WIFI

Consejo Profesional de Economía CABA

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1971





# Componentes de una red Wi-Fi:

## Dispositivos clientes:



Laptop



Smartwatch



Smartphone



Consola de Juegos



Computadora

## Punto de acceso:

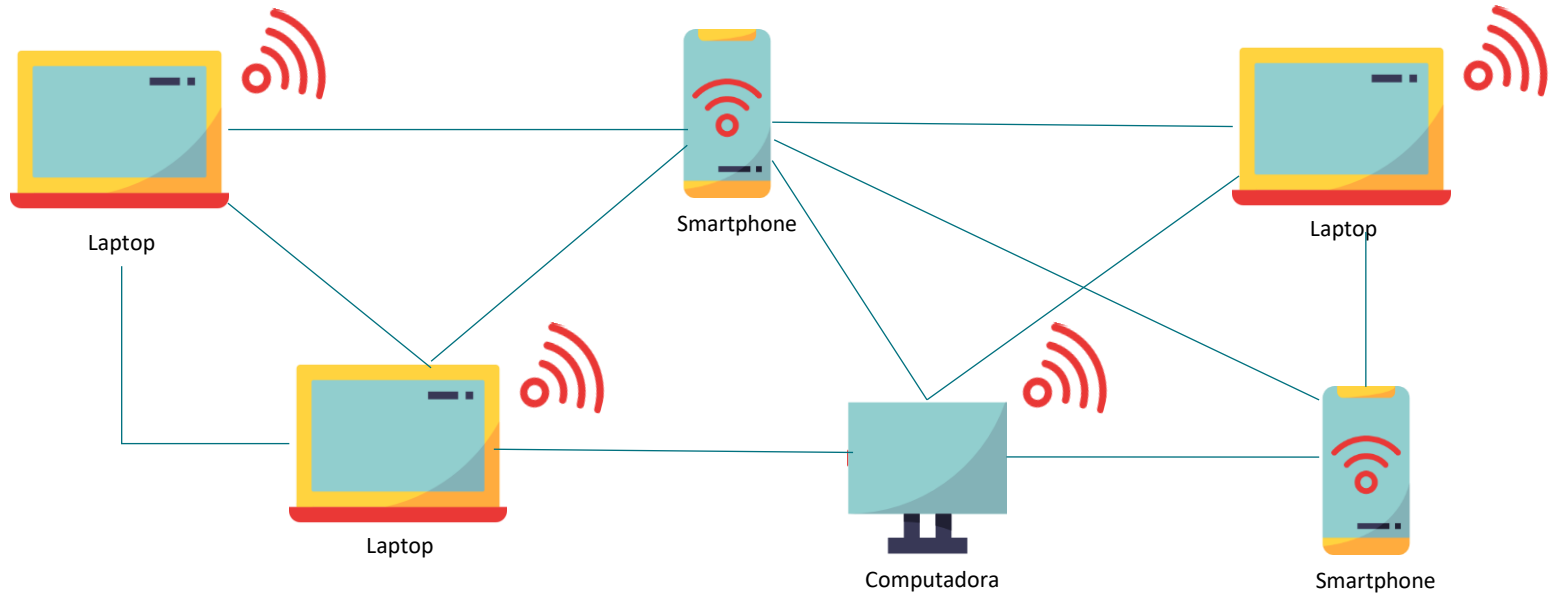


Router WiFi



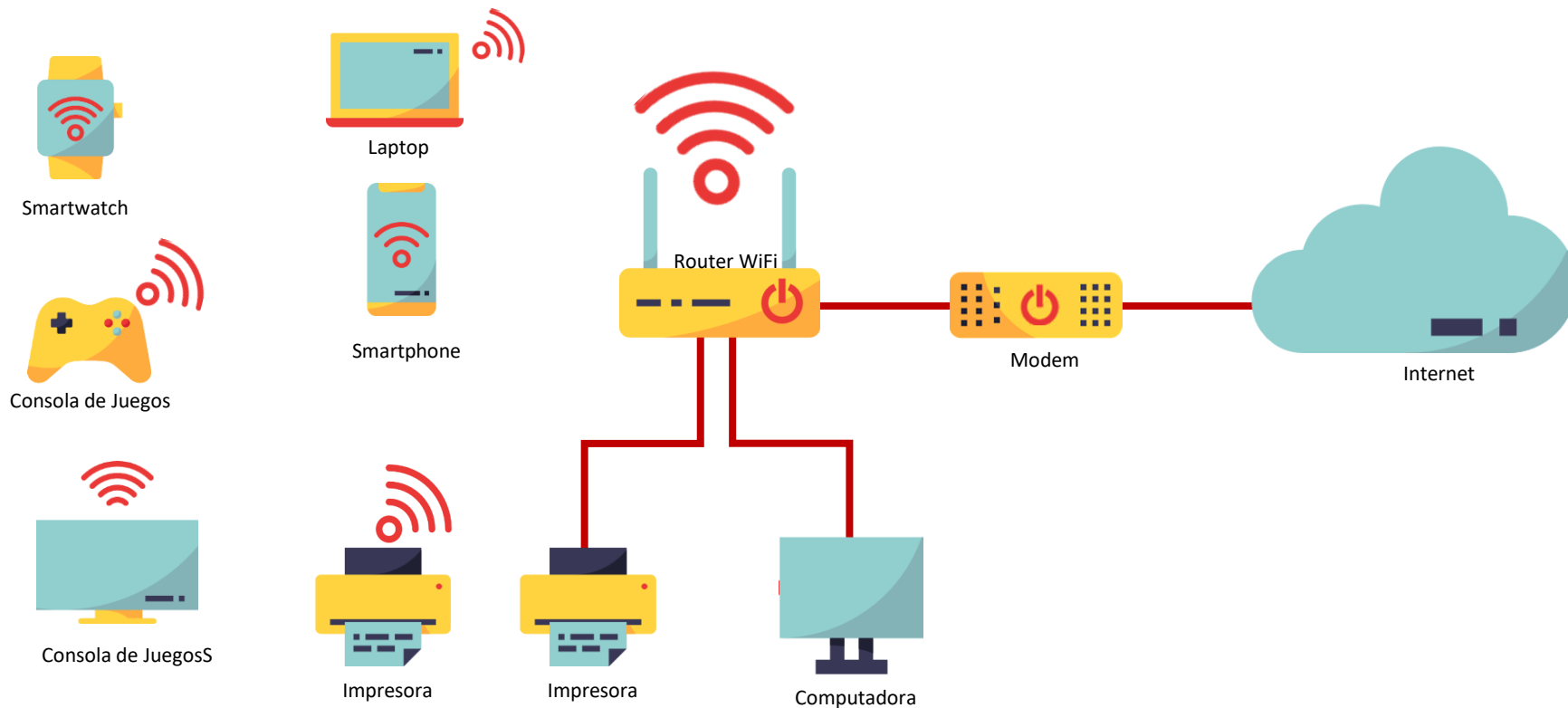
# Tipos de redes inalámbricas:

- Modo Ad Hoc:



# Tipos de redes inalámbricas

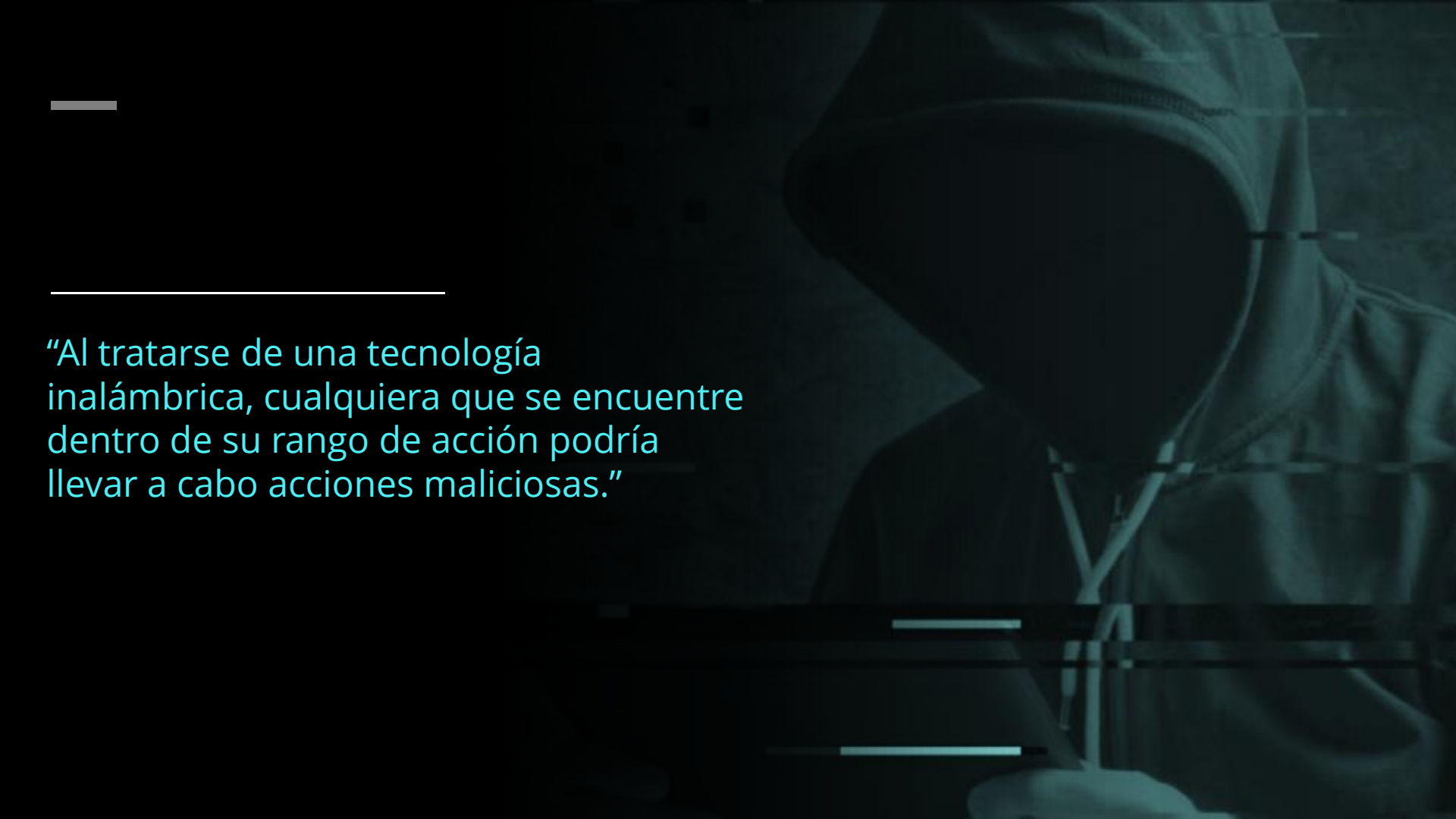
- Modo Infraestructura:





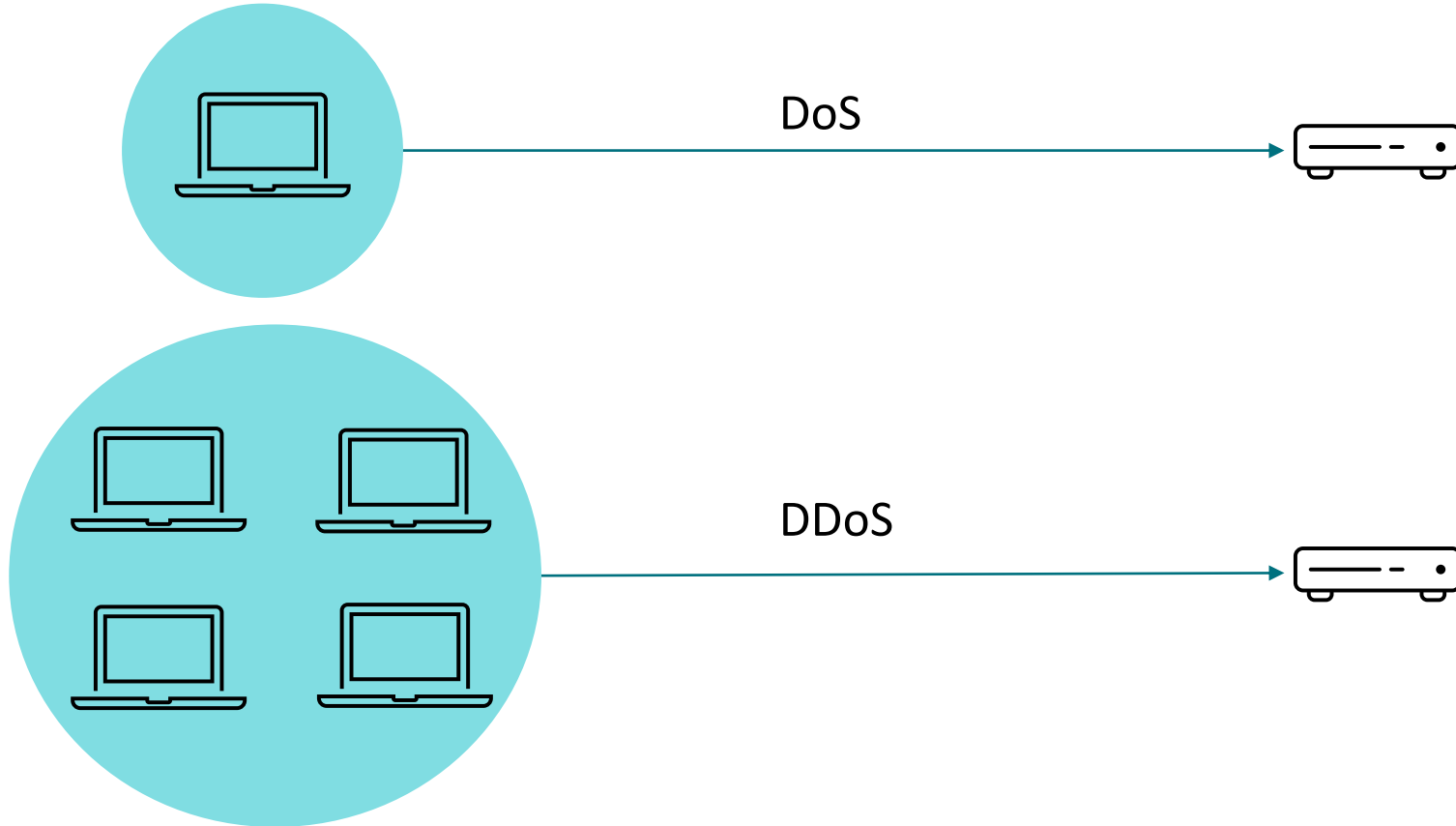
The background is a dark, abstract digital space filled with glowing blue and red lines and particles, creating a sense of depth and movement. A central rounded rectangle with a red border contains the text.

**¿Existen riesgos en las redes  
inalámbricas?**

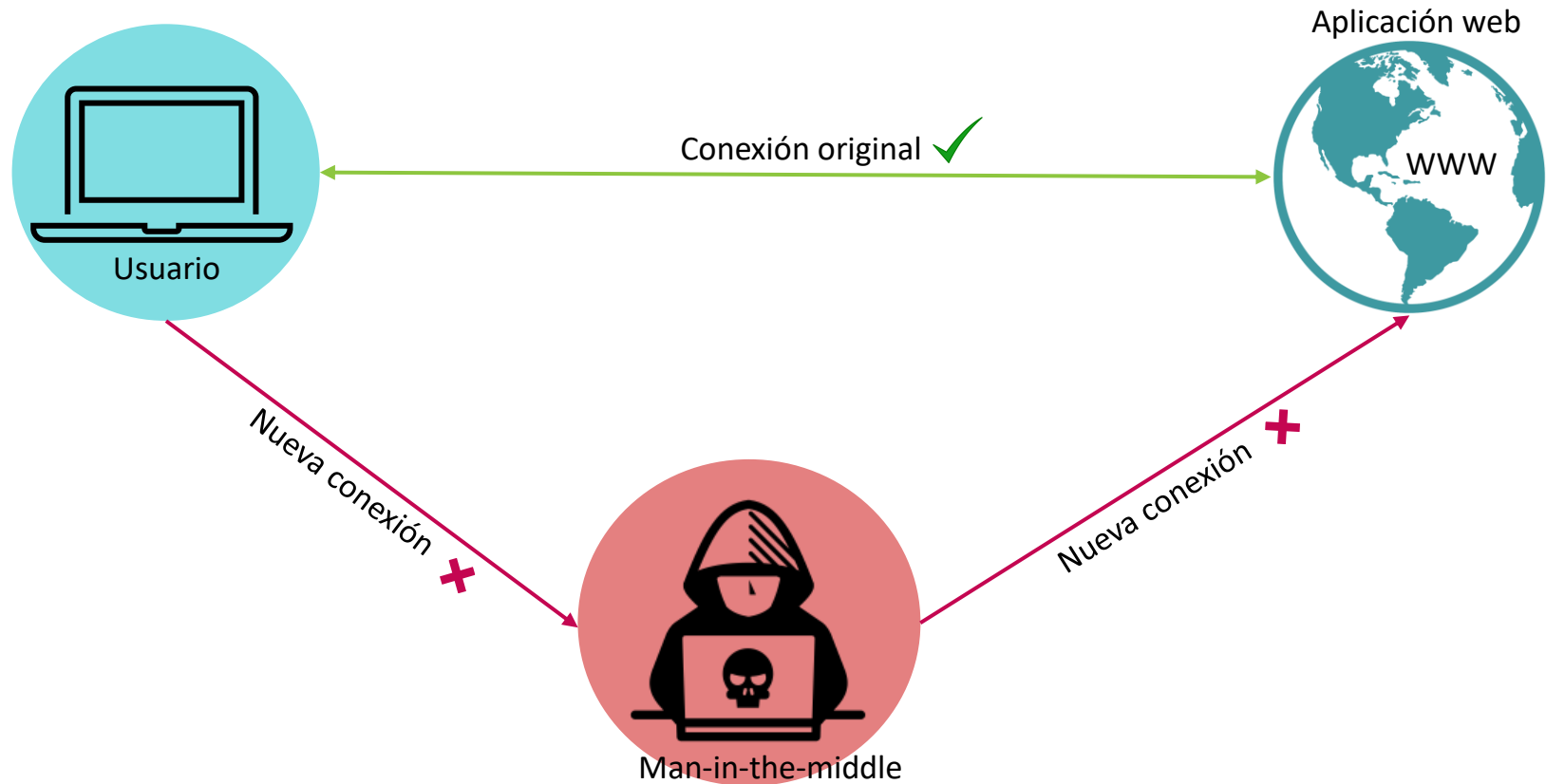
A dark, moody photograph of a person wearing a grey hoodie, sitting at a desk with a laptop. The person's face is obscured by the hood. The image has a teal/cyan tint. There are some white lines and artifacts on the image, possibly from a video or a scan.

“Al tratarse de una tecnología inalámbrica, cualquiera que se encuentre dentro de su rango de acción podría llevar a cabo acciones maliciosas.”

# 1. Denegación de Servicio (DoS)



## 2. Man-in-the-middle







The background is a dark, abstract digital space. It features a complex pattern of glowing blue and red lines, resembling a network or data stream. The lines are of varying lengths and orientations, creating a sense of depth and movement. In the center, there is a rounded rectangular box with a thin red border, containing the text in a bold, blue, sans-serif font.

**¿Qué tener en cuenta como  
usuario de redes Wi-Fi?**

## Redes Hogareñas





# 1. Modificar las credenciales de acceso



Módem WiFi



## 2. Asignar las credenciales de acceso:

**Administration**

Setup | Wireless | Security | Access Restriction

Management | Log | Diag

**Management**

**Router Access**

Router Password:

Re-enter to Confirm:

**Local Management Access**

Access via: ☐ HTTP ☒ HTTPS

Access via Wireless: ☐ Enabled ☒ Disabled

**Remote Management Access**

Remote Management: ☐ Enabled ☒ Disabled

Access via: ☒ HTTP ☐ HTTPS

Remote Upgrade: ☐ Enabled ☒ Disabled

Allowed Remote IP Address: ☐ Any IP Address

☐ 0 | 0 | 0 | 0

Username:  Password:

**Gateway > Login**

Please login to view your Wi-Fi passkey or to view and edit detailed network settings.

**Wi-Fi Configuration**

Wi-Fi SSID (2.4GHz): Fibertel WiFi352 2.4GHz

Wi-Fi Passkey (2.4GHz): Log in to view passkey

Wi-Fi SSID (5GHz): Fibertel WiFi352 5.8GHz

Wi-Fi Passkey (5GHz): Log in to view passkey

**Home Network**

✓ Ethernet

✓ Wi-Fi

Firewall Security Level: Custom

**Connected Devices**

Host Name	MAC Address	Connection Type
✓		Wi-Fi 2.4G
✓		Wi-Fi 2.4G
✓		Wi-Fi 2.4G
✓		Wi-Fi 5G
✓		Wi-Fi 2.4G
✓		Wi-Fi 2.4G

## 2. Asignar las credenciales de acceso:

The screenshot shows a web browser window with the address bar displaying "No es seguro" and the URL "http://192.168.0.1/at\_a\_glance.php". The browser's address bar also shows icons for a search engine, a bookmark, and a star. The page content is divided into a left sidebar and a main area. The sidebar contains a "Gateway" section with a sub-menu "At a Glance" and several other options: "Connection", "Firewall", "Software", "Hardware", "Wizard", "Init Scan", "Connected Devices", "Parental Control", "Advanced", and "Troubleshooting". The main area displays a "Wi-Fi" section with a "Wi-Fi Passkey (2.4Ghz): 01441393024" and a "Wi-Fi SSID (5Ghz): Fibertel WiFi352 5.8GHz" and a "Wi-Fi Passkey (5Ghz): 01441393024". Below this, there are two buttons: "SAVE CURRENT CONFIGURATION" and "RESTORE SAVED CONFIGURATION". At the bottom, there are two sections: "Home Network" showing "Ethernet" with a green checkmark, and "Connected Devices" showing "LAPTOP-E7RFFK5G" with a green checkmark. A modal dialog box is overlaid on the page, titled "Cambia la contraseña" (Change the password). The dialog contains a warning icon (a red triangle with an exclamation mark) and a password field with four asterisks. The text inside the dialog reads: "Chrome ha detectado que la contraseña que acabas de usar se ha visto expuesta en una quiebra de seguridad de datos. Te recomendamos que la cambies ahora." (Chrome has detected that the password you just used has been exposed in a data security breach. We recommend that you change it now.) There is an "Aceptar" (Accept) button at the bottom right of the dialog.

⚠ No es seguro | http://192.168.0.1/at\_a\_glance.php

estadmin • [Logout](#) • [Change Password](#)

et ✓ Wi-Fi ✗ Custom Security

**Gateway**

- [At a Glance](#)
- ▶ Connection
- ▶ Firewall
- Software
- ▶ Hardware
- Wizard
- Init Scan
- ▶ Connected Devices
- ▶ Parental Control
- ▶ Advanced
- ▶ Troubleshooting

**Cambia la contraseña**

Chrome ha detectado que la contraseña que acabas de usar se ha visto expuesta en una quiebra de seguridad de datos. Te recomendamos que la cambies ahora.

Aceptar

Wi-Fi Passkey (2.4Ghz): 01441393024

Wi-Fi SSID (5Ghz): Fibertel WiFi352 5.8GHz

Wi-Fi Passkey (5Ghz): 01441393024

SAVE CURRENT CONFIGURATION RESTORE SAVED CONFIGURATION

**Home Network**

✓ Ethernet

**Connected Devices**

✓ LAPTOP-E7RFFK5G

## 2. Asignar las credenciales de acceso:

No es seguro | http://192.168.0.1/password\_change.php

Hi custadmin • [Logout](#) • [Change Password](#)

✔ Internet ✔ Wi-Fi ✖ Custom Security

### Troubleshooting > Change Password

Periodically change your Admin Tool password to protect your network.

#### Password

Current Password:

New Password:

Re-enter New Password:

Show Typed Password: ☐

Password Must be minimum 8 characters(Displayable ASCII characters). No spaces. Case sensitive.



**Contraseñas Fuertes**

A black and white photograph of Rocky Balboa, played by Sylvester Stallone, flexing his biceps. He is shirtless, wearing boxing gloves and a championship belt. The background is a cloudy sky.

Rocky

R0cky!

R0cky!B4lb0@

R0ckyB4lb0@VsAp0ll0Cr33d1976!

### 3. Configurar el tipo de cifrado de la red:

Recomendación:  
**WPA2 + AES**





## 4. Configurar el firewall:

## 4. Configurar el firewall:

#### 4. ¿Qué es un firewall?



## 4. Configurar el firewall:

▼ Gateway

At a Glance

► Connection

▼ Firewall

IPv4

IPv6

Software

► Hardware

Wizard

Init Scan

► Connected Devices

► Parental Control

► Advanced

► Troubleshooting

▼ Gateway

At a Glance

► Connection

▼ Firewall

IPv4

IPv6

Software

► Hardware

Wizard

Init Scan

► Connected Devices

► Parental Control

Hi custadmin • [Logout](#) • [Change Password](#)

✔ Internet • ✔ Wi-Fi • ✔ High Security

# Gateway > Firewall > IPv4

Manage your firewall settings. [more](#)


Firewall Security Level

☒ Maximum Security (High)

☐ Typical Security (Medium)

☐ Minimum Security (Low)

☐ Custom Security



**¿Cómo crear una red de  
invitados?**

# Configuración de red invitado:

▼ Gateway

At a Glance

▼ Connection

Status

SAGEMCOM Network

Local IP Network

Wi-Fi

► MTA

► Firewall

Software

► Hardware

Wizard

Init Scan

► Connected Devices

► Parental Control

► Advanced

## Gateway > Connection > Guest Wi-Fi > Edit 2.4 GHz

Manage your 2.4 GHz guest network settings. [more](#)

Public Wi-Fi Network Configuration (2.4 GHz)

Wireless Network:

Enable

Disable

Network Name (SSID):

BROADCOM\_GUEST\_0\_1

Security Mode:

WPAWPA2-PSK (TKIP/AES) ▼

Network Password:

.....

Strength: Not Sufficient

8 to 63 ASCII characters or a 64 hex character password. Case sensitive.

Show Network Password:

☐

Broadcast Network Name (SSID):

☒ Enabled

SAVE SETTINGS

# Configuración de red invitado:

## Public Wi-Fi Network Configuration (2.4 GHz)

Wireless Network:

Enable

Disable

Network Name (SSID):

WiFi94-Invitad@s

Security Mode:

WPA2-PSK (AES)(Recommended) ▾

Network Password:

••••••••

Strength: Good

8 to 63 ASCII characters or a 64 hex character password. Case sensitive.

Show Network Password:

☐

Broadcast Network Name (SSID):

☒

Enabled

SAVE SETTINGS

9:17

Mié. 17 de Ago.



Wi-Fi



WiFi94-Invitad@s



Más ajustes

Listo



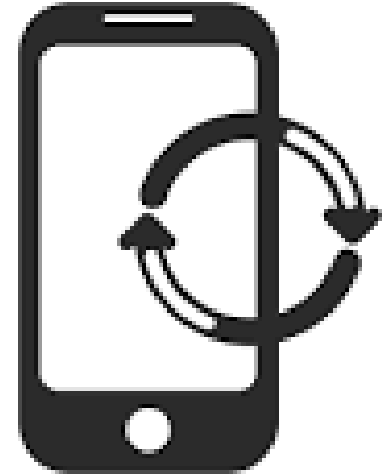


**¿Cómo conectarse a redes Wi-Fi  
públicas de manera segura?**

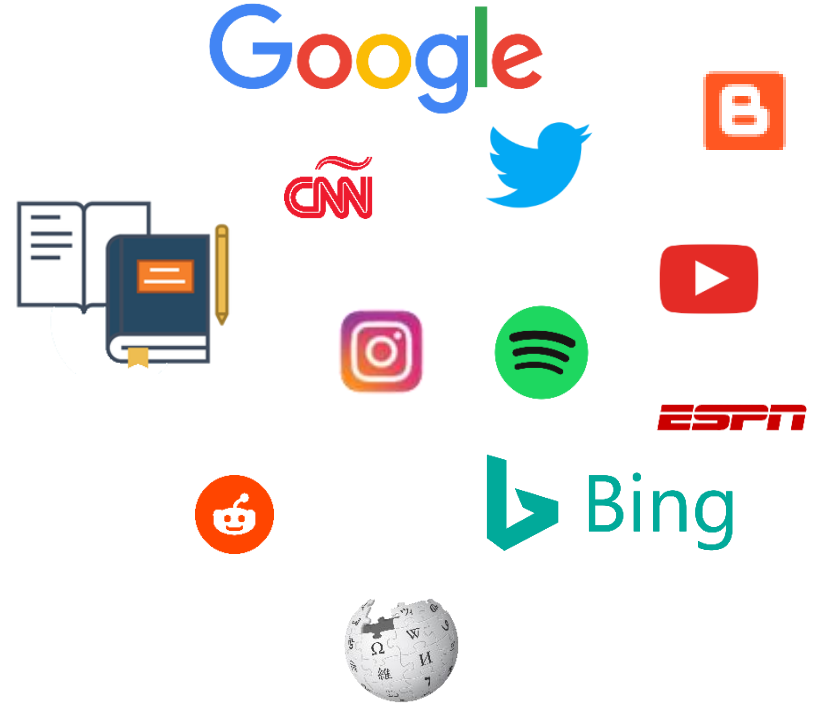


WiFi ZONE

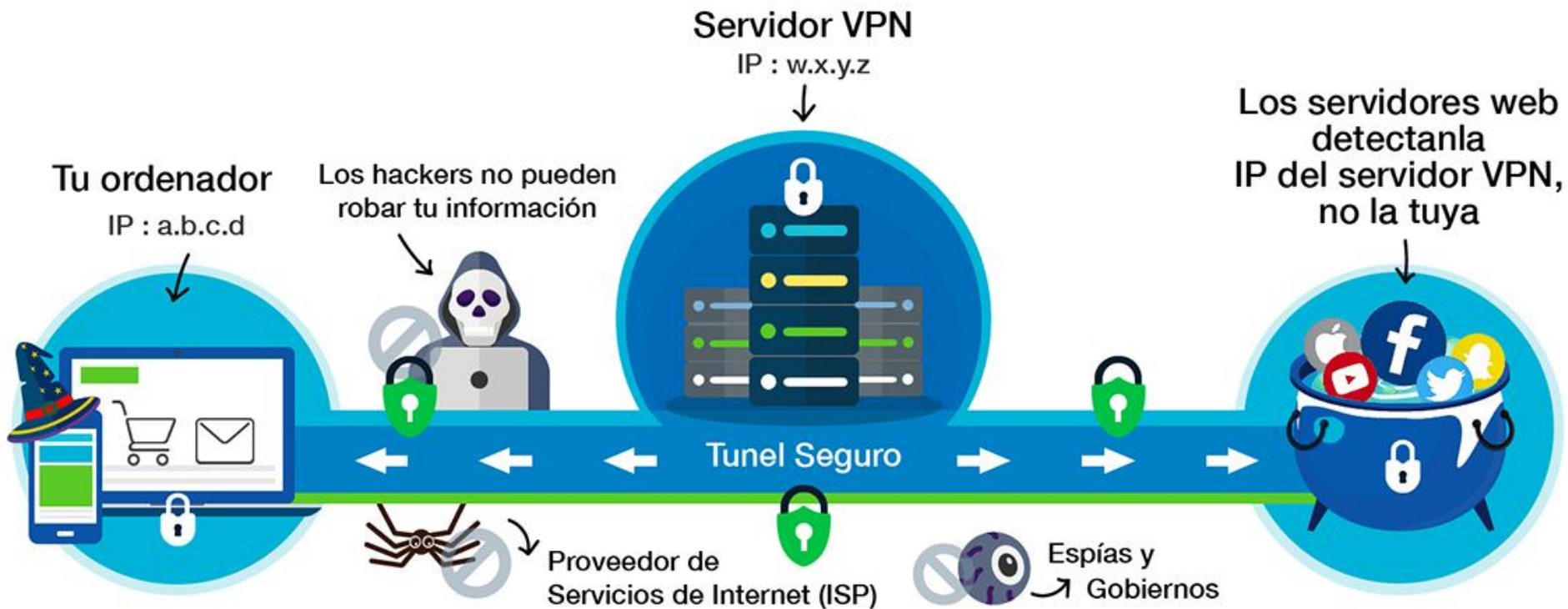
# 1. Mantén tu solución de seguridad actualizada y su sistema operativo



## 2. Cuida las acciones que realizas desde estas conexiones



# ¿Qué es una VPN?





### 3. Ingresa a sitios web que utilicen protocolo HTTPS

The screenshot shows the La Nación website with a security overlay. The browser's address bar displays `https://www.lanacion.com.ar`. The overlay, titled "Acerca de lanacion.com.ar", lists the following information:

- La conexión es segura
- Permisos para este sitio
- Cookies (48 cookies en uso)
- Configura la prevención de rastreo para este sitio (Equilibrado)
- Rastreadores (7 bloqueadas)

The website content includes the "LA NACION" logo, a "14° Capital Federal" badge, and a "Recibí Newsletters" link. A banner for "COTO digital" states "TODOS LOS DÍAS DE AGOSTO". A main article headline reads: "Una por una. Las dudas sobre los aumentos de luz, agua y gas". Below the headline, it says "Por Sofía Diamante". A secondary headline reads: "Dólar. El Banco Central hizo hoy la mayor compra de reservas en 45 días". Below this, it says "Se alzó con unos US\$80 millones y lleva recuperados algo más de US\$120 millones en las últimas cinco ruedas, tras vender US\$807 millones en las siete primeras jornadas del mes" and "Por Javier Blanco". A small image of a clock tower is visible at the bottom of the article. On the right side, there is a section titled "EN PRODUCTOS SELECCIONADOS DE AUTOMOTOR" with a "5% DESCUENTO EFECTIVO Y CRÉDITO" offer. Below this, there is a grid of six questions and answers related to utility tariffs.

1	2	3
¿Cuánto aumentan las tarifas de electricidad?	¿Cuánto suben las tarifas de gas?	¿Cuánto se incrementa el servicio de agua?
100	100	100

4	5	6
¿Cómo es la segmentación?	¿Suben las tarifas para los comercios?	¿Qué pasa con las tarifas que reflejan los consumos comerciales (comerciales)?
100	100	100

Una por una. Las respuestas a las dudas sobre los aumentos de luz, agua y gas

Por Sofía Diamante

#### 4. Configura tu dispositivo para que pregunte antes de conectarse

¿Por qué es tan importante esto?





## 5. Utiliza Doble Factor de Autenticación





## Evitar infecciones:

- ✓ Evitar abrir archivos inseguros
- ✓ No ingresar en sitios sospechosos
- ✓ Descargar aplicaciones de repositorios oficiales
- ✓ Evitar redes WiFi públicas a menos que sea necesario
- ✓ Mantener aplicaciones y sistemas actualizados
- ✓ Utilizar herramientas de seguridad

The background is a dark, teal-colored space with a grid-like floor and ceiling. Several vertical light bars of varying heights and widths are scattered throughout, creating a sense of depth and perspective. In the foreground, there are wispy, smoke-like clouds. Various digital data elements are overlaid on the scene, including numbers like '47%', '57%', '48.40', and '4853 - TE', as well as some illegible text fragments.

# ¡MUCHAS GRACIAS!





Digital Security  
**Progress. Protected.**