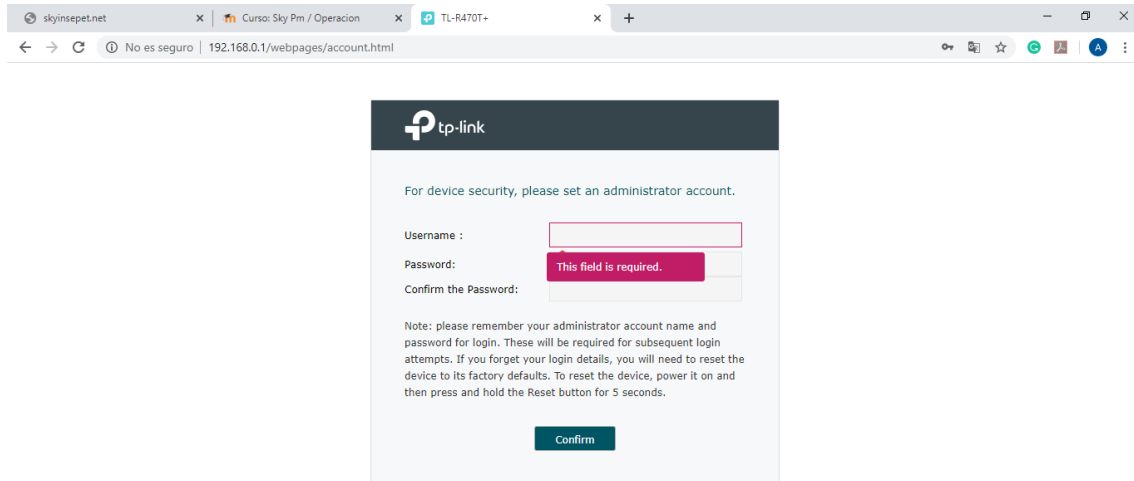


## CONFIGURACION ROUTER Y ACCESS POINT PARA SISTEMA SKY

CONFIGURACION DE ROUTER TL –R470T+ debemos conectar el router mediante un cable utpcategoría 5 uno a uno al puerto LAN procederemos a configurar el router la ip por defecto es

<http://192.168.0.1/webpages/account.html>



The screenshot shows a web browser window with the URL <http://192.168.0.1/webpages/account.html>. The page is the TP-Link account creation interface. It features the TP-Link logo at the top left and the text "For device security, please set an administrator account." Below this, there are three input fields: "Username:", "Password:", and "Confirm the Password:". The "Password:" field has a red error message that says "This field is required." At the bottom of the form is a "Confirm" button. A note at the bottom of the form reads: "Note: please remember your administrator account name and password for login. These will be required for subsequent login attempts. If you forget your login details, you will need to reset the device to its factory defaults. To reset the device, power it on and then press and hold the Reset button for 5 seconds."



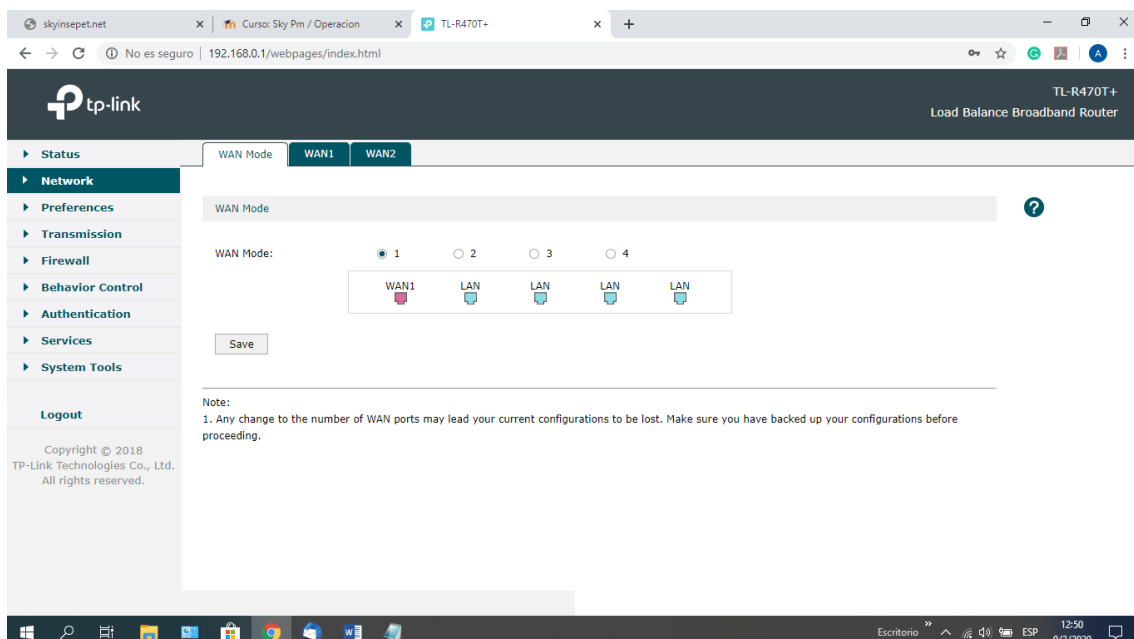
Debemos Ingresar los siguientes Datos

Username : Admin

Password: 830.071.049

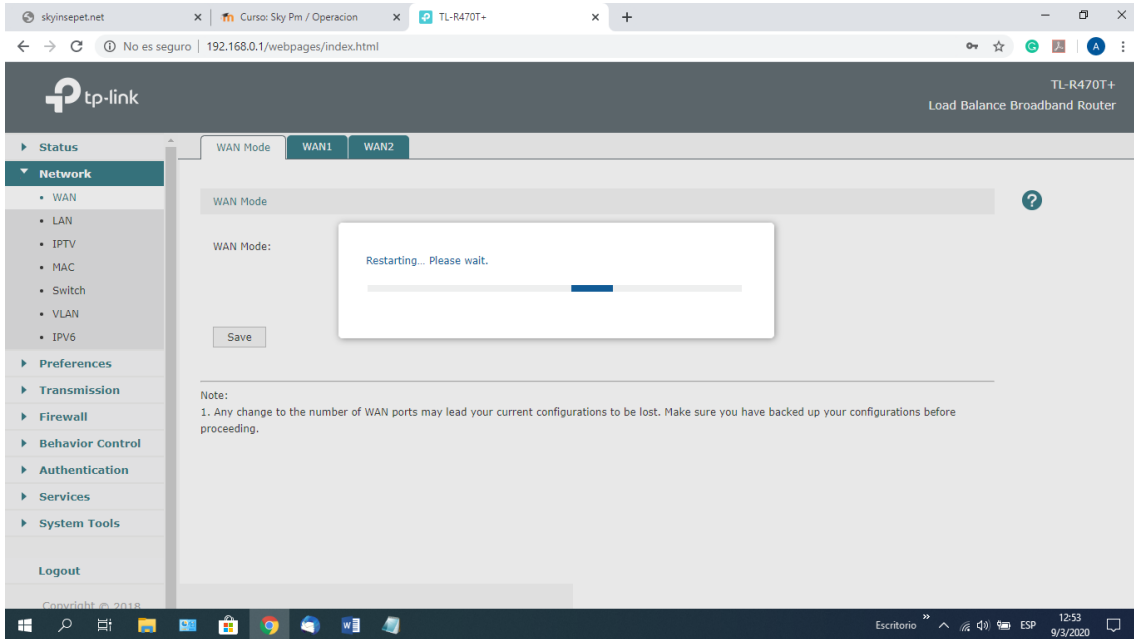
Confirm the Password: 830.071.049

Ingresamos damos click en Network seleccionamos 1 wan1 y damos click en Save.

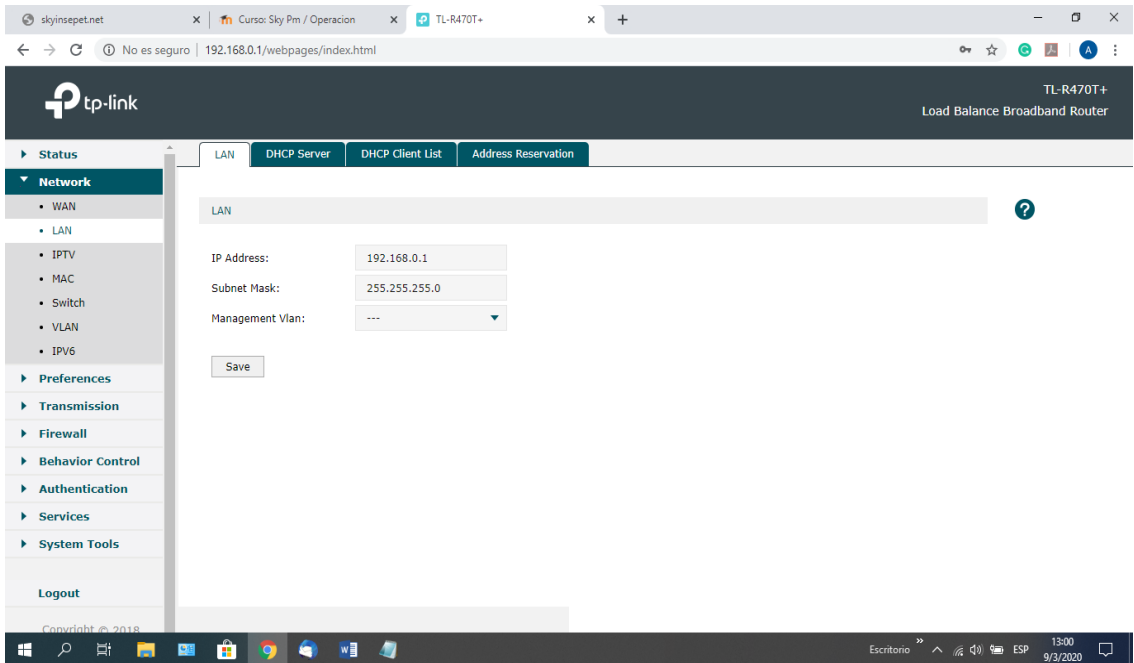


The screenshot shows the TP-Link router configuration page for the WAN Mode. The page title is "TL-R470T+ Load Balance Broadband Router". The "Network" menu is expanded, and the "WAN Mode" tab is selected. The "WAN Mode" section shows four radio buttons labeled 1, 2, 3, and 4. Radio button 1 is selected. Below the radio buttons, there are five icons representing network ports: WAN1 (red), LAN (blue), LAN (blue), LAN (blue), and LAN (blue). A "Save" button is located below the icons. A note at the bottom of the page reads: "Note: 1. Any change to the number of WAN ports may lead your current configurations to be lost. Make sure you have backed up your configurations before proceeding."

Si todo va bien deberás ver la siguiente imagen tardara unos minutos:



Ingresaremos a IP Address digitaremos la nueva ip 192.168.11.1 y daremos click en Save

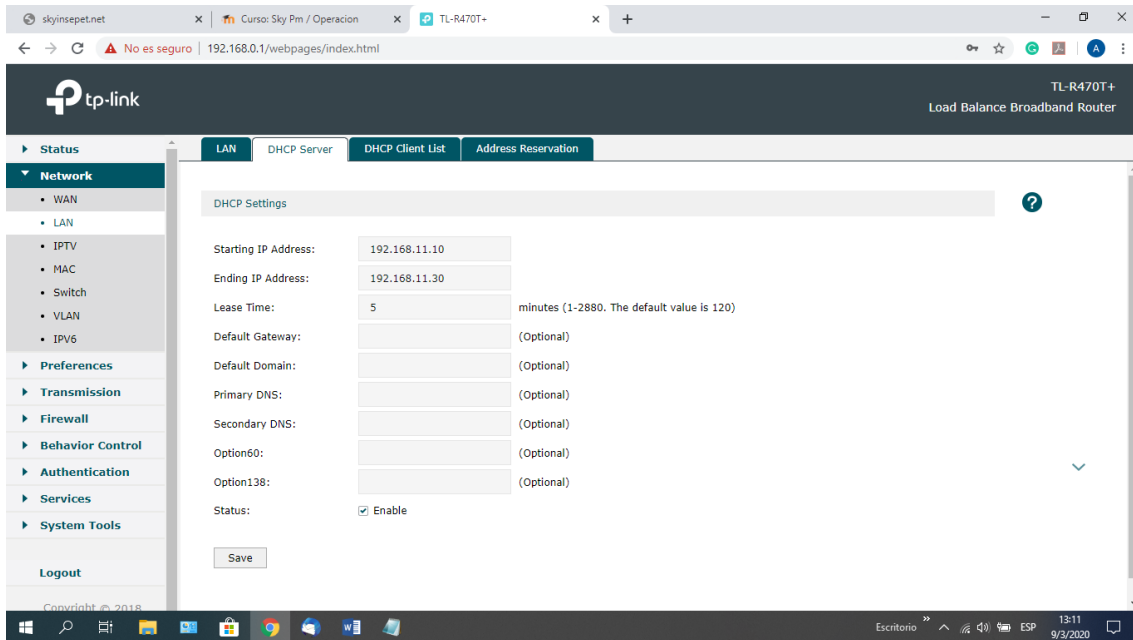


Luego daremos click en **DHCP Server** y ingresaremos el rango de ips que queremos tener de dispositivos conectados

Por defecto encontraremos 192.169.0.100----192.168.0.300

Lo cambiaremos por el siguiente rango:

192.168.11.10---192.168.11.30 y cambiaremos el tiempo a 5 y daremos click en Save



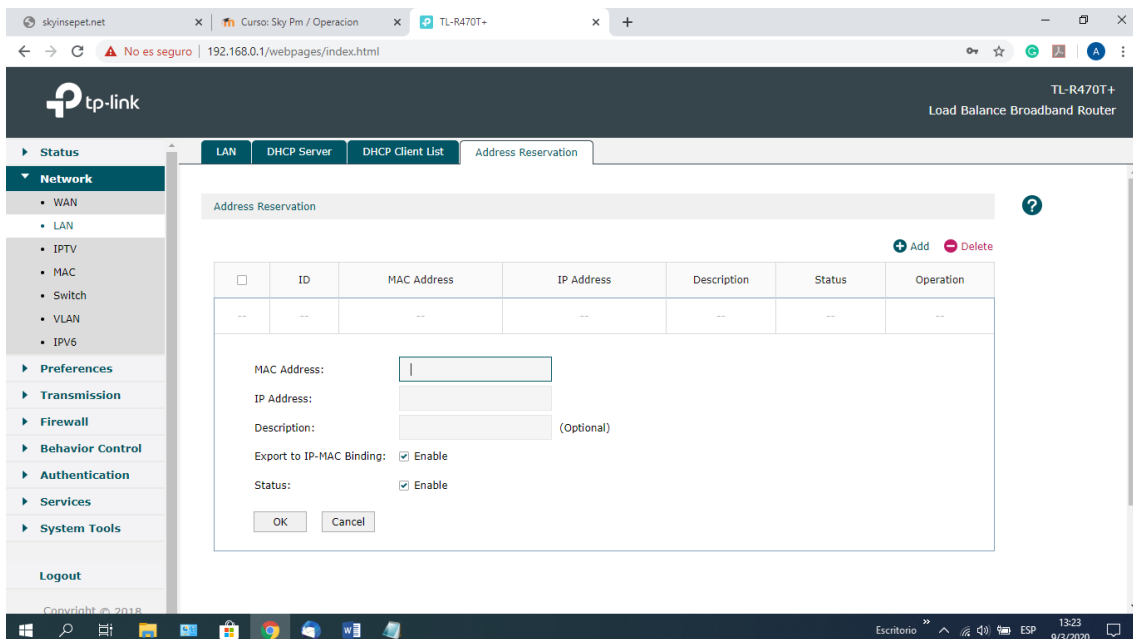
The screenshot shows the TP-Link web interface for a TL-R470T+ Load Balance Broadband Router. The 'DHCP Server' tab is selected. The 'DHCP Settings' section is visible, with the following fields:

- Starting IP Address: 192.168.11.10
- Ending IP Address: 192.168.11.30
- Lease Time: 5 minutes (1-2880. The default value is 120)
- Default Gateway: (Optional)
- Default Domain: (Optional)
- Primary DNS: (Optional)
- Secondary DNS: (Optional)
- Option60: (Optional)
- Option138: (Optional)
- Status:  Enable

A 'Save' button is located at the bottom of the settings area.

Daremos click en Save.

El rango de ip deberá cambiar, en **DHCP Client List** deberemos ver reflejados los dispositivos conectados, en **Address Reservation** Deberemos reservar las ips de nuestras tarjetas sky, Beagle, pos.



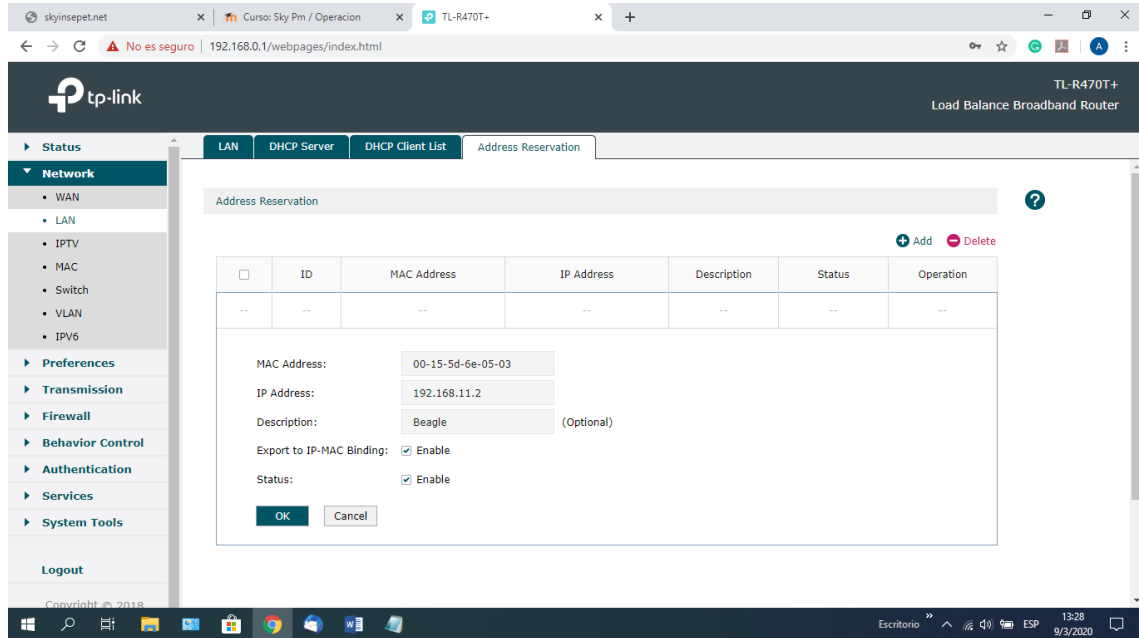
The screenshot shows the TP-Link web interface with the 'Address Reservation' dialog box open. The dialog box contains the following fields:

- MAC Address: [input field]
- IP Address: [input field]
- Description: [input field] (Optional)
- Export to IP-MAC Binding:  Enable
- Status:  Enable

Buttons for 'OK' and 'Cancel' are at the bottom of the dialog box.

Para este procedimiento daremos click en **Address Reservation, +Add**.

Digitaremos la Mac Address: La mac que corresponda a nuestro dispositivo por ejemplo para el Beagle debemos dejar la ip 192.168.11.2

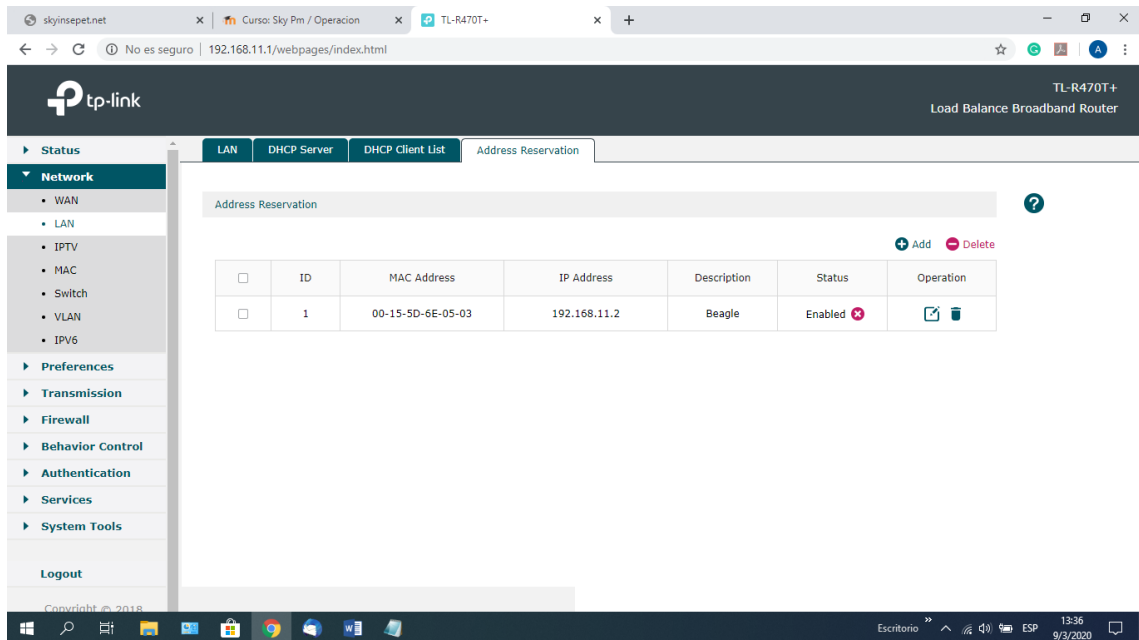


The screenshot shows the TP-Link web interface for a TL-R470T+ Load Balance Broadband Router. The 'Address Reservation' tab is active. A form is open for adding a new reservation with the following fields:



- MAC Address: 00-15-5d-6e-05-03
- IP Address: 192.168.11.2
- Description: Beagle (Optional)
- Export to IP-MAC Binding:  Enable
- Status:  Enable

Buttons for 'OK' and 'Cancel' are visible at the bottom of the form.

Daremos click en ok, si todo va bien deberemos ver la ip reservada



The screenshot shows the TP-Link web interface after the reservation has been added. The table below shows the reserved IP address:

<input type="checkbox"/>	ID	MAC Address	IP Address	Description	Status	Operation
<input type="checkbox"/>	1	00-15-5D-6E-05-03	192.168.11.2	Beagle	Enabled	 

esta misma manera procederemos con el resto de dispositivos de la estación que están involucrados en el sistema sky.

Para el caso del Access Point configuraremos la siguiente ip 192.168.11.4 La cual también reservaremos

La conexión correcta de nuestro **Access Point AC1350-Omada EAP225** será la siguiente utilizamos accesorio de Access Point :



Una vez conectado nuestro Access Point reservaremos la ip 192.168.11.4 desde el router principal:

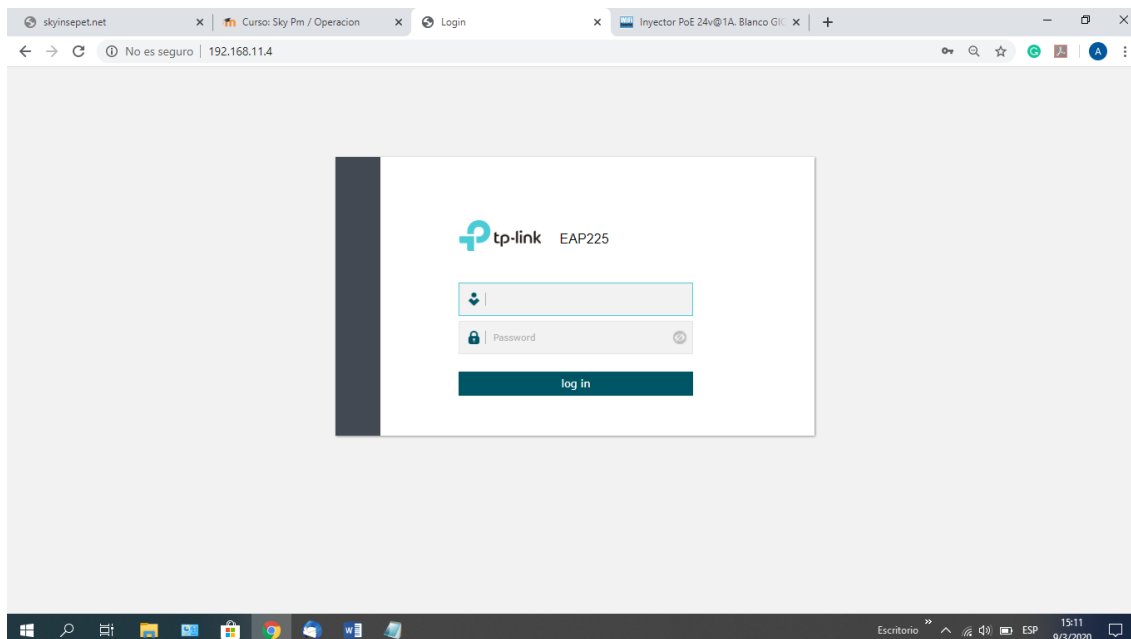
tp-link TL-R470T+ Load Balance Broadband Router

Address Reservation

ID	MAC Address	IP Address	Description	Status	Operation
1	00-15-5D-6E-05-03	192.168.11.2	Beagle	Enabled	[Add] [Delete]
2	CC-32-E5-C0-07-82	192.168.11.4	ACCESS POINT	Enabled	[Add] [Delete]

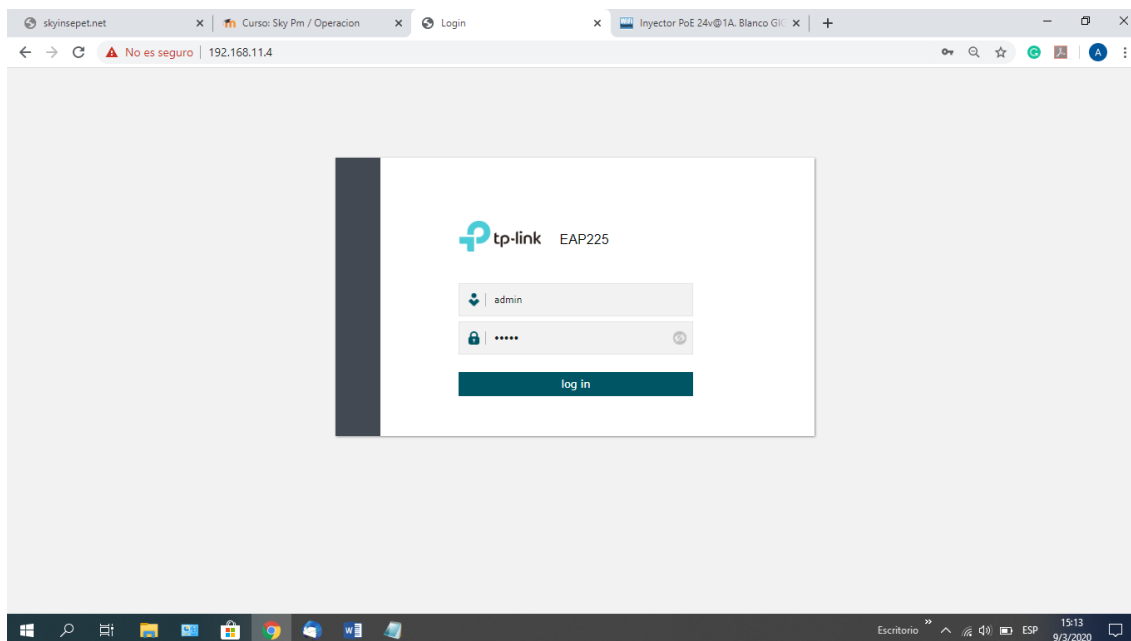
Ingresamos al nuestro Access Point digitamos en el navegador la ip 192.168.11.4:

Digitaremos el usuario y la contraseña que por defecto es:



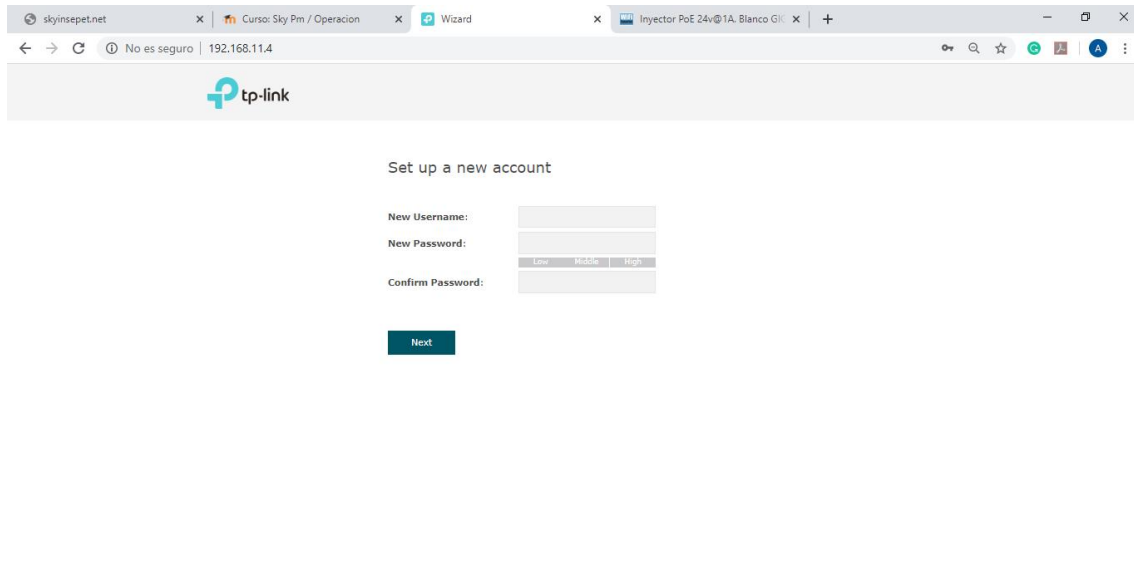
Usuario: Admin

Contraseña: Admin



Damos click en **log In** nos aparecerá la siguiente pantalla:

## Digitáramos la nueva contraseña



skyinsep.net x Curso: Sky Pm / Operacion x Wizard x Inyector PoE 24v@1A, Blanco G... x +

No es seguro | 192.168.11.4

tp-link

Set up a new account

New Username:

New Password:

Confirm Password:

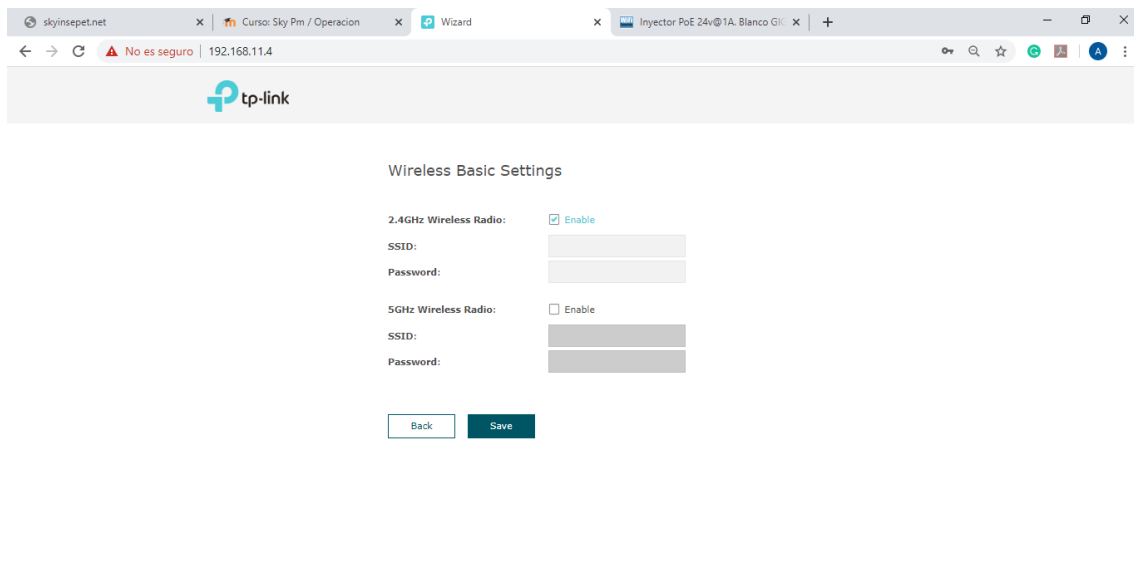
Next



Usuario: Admin

Contraseña: 830.071.049

Nos Aparecer la siguiente pantalla seleccionamos 2.4GH Enable:



skyinsep.net x Curso: Sky Pm / Operacion x Wizard x Inyector PoE 24v@1A, Blanco G... x +

No es seguro | 192.168.11.4

tp-link

Wireless Basic Settings

2.4GHz Wireless Radio:  Enable

SSID:

Password:

5GHz Wireless Radio:  Enable

SSID:

Password:

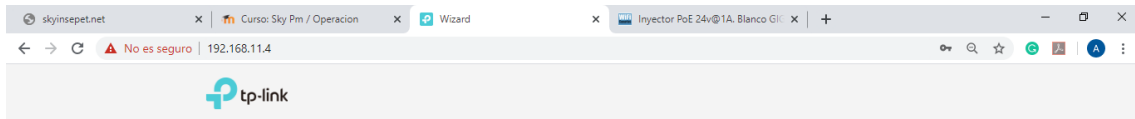
Back Save



Digitaremos el nombre de la red local y contraseña que corresponda según el caso, por ejemplo:

Skynet\_83

sky961280\_\*19000320



### Wireless Basic Settings

2.4GHz Wireless Radio:  Enable

SSID: Skynet\_83

Password: sky961280\_\*19000320

5GHz Wireless Radio:  Enable

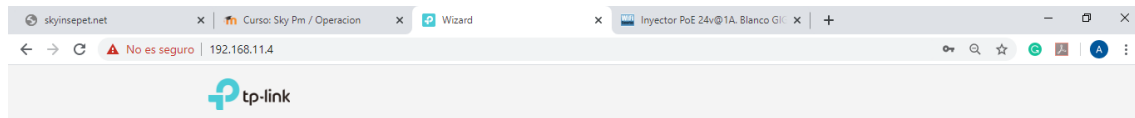
SSID: \_\_\_\_\_

Password: \_\_\_\_\_



Dar click en Save

Si todo va bien veremos la siguiente imagen



Success!

Connect to your device and continue the configuration

**2.4GHz Wireless**

SSID: Skynet\_83

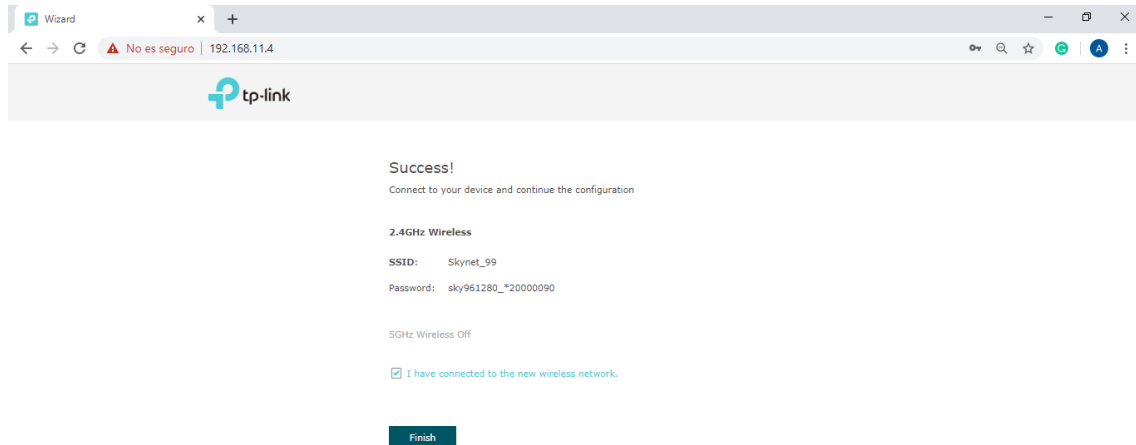
Password: sky961280\_\*19000320

5GHz Wireless Off

I have connected to the new wireless network.



Seleccionaremos **I have to the Wireless network** y daremos click en **Finist**



Wizard x +

No es seguro | 192.168.11.4

tp-link

**Success!**  
Connect to your device and continue the configuration

**2.4GHz Wireless**

SSID: Skynet\_99  
Password: sky961280\_20000090

5GHz Wireless Off

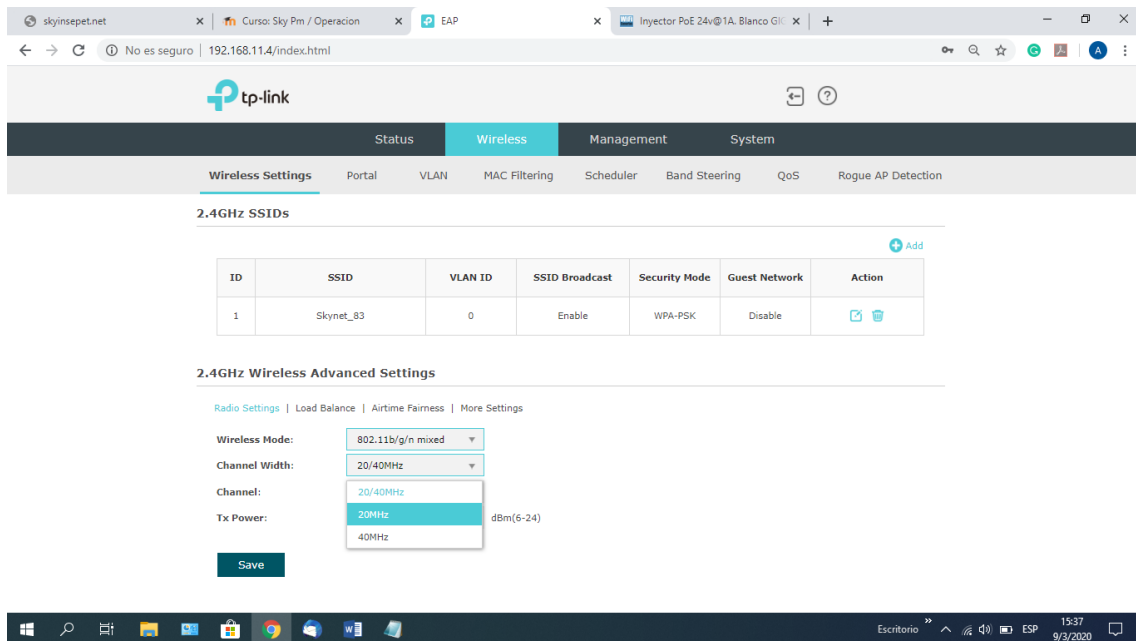
I have connected to the new wireless network.

Finish



Escritorio 12:33 29/2/2020

Daremos click en **Wireless** seleccionaremos **Channel Width 20 MHz** y daremos click en **Save**.



skyinsepet.net x Cursor: Sky Pm / Operacion x EAP x Inyector PoE 24v@1A Blanco G... x +



No es seguro | 192.168.11.4/index.html

tp-link

Status **Wireless** Management System

Wireless Settings Portal VLAN MAC Filtering Scheduler Band Steering QoS Rogue AP Detection

**2.4GHz SSIDs**

ID	SSID	VLAN ID	SSID Broadcast	Security Mode	Guest Network	Action
1	Skynet_83	0	Enable	WPA-PSK	Disable	 

**2.4GHz Wireless Advanced Settings**

Radio Settings | Load Balance | Airtime Fairness | More Settings

Wireless Mode: 802.11b/g/n mixed

Channel Width: 20/40MHz

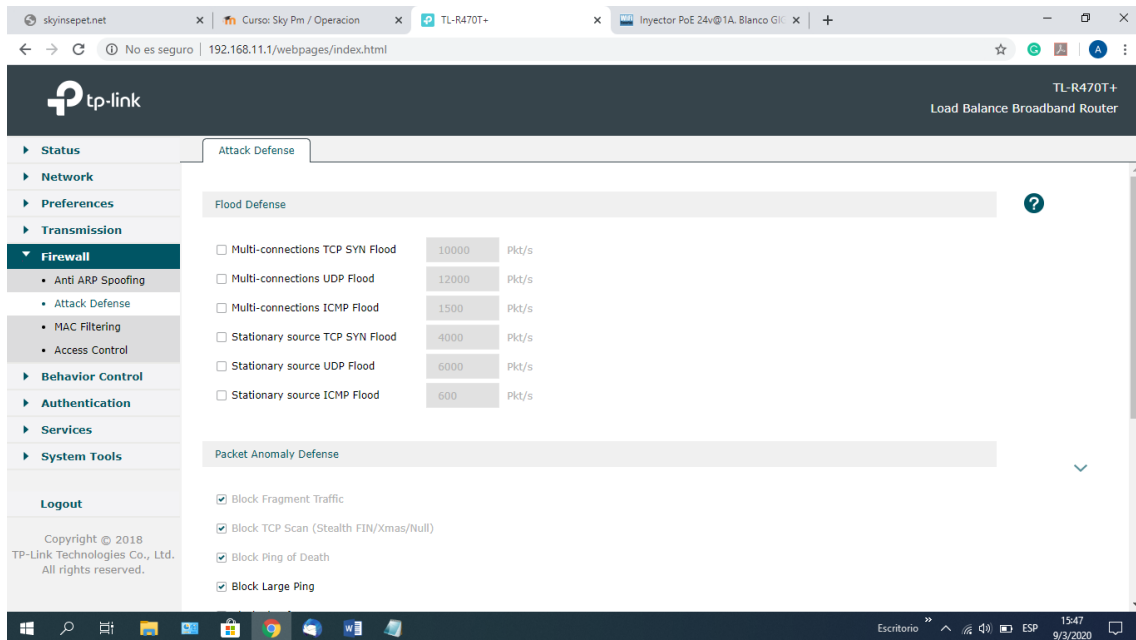
Channel: 20/40MHz

Tx Power: 20MHz 40MHz dBm(6-24)

Save

Escritorio 15:37 9/3/2020

Luego digitaremos en nuestro navegador la ip de nuestro router 192.168.11.1 y daremos click en **Firewall**



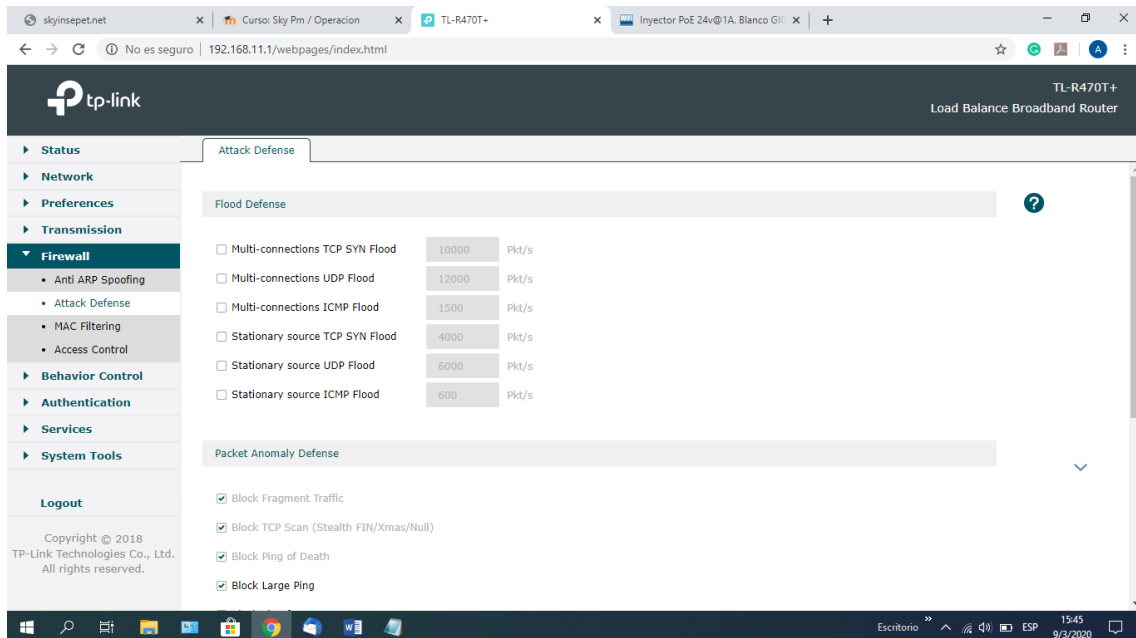
The screenshot shows the TP-Link web interface for a TL-R470T+ router. The left sidebar is expanded to 'Firewall', with 'Attack Defense' selected. The main content area shows 'Flood Defense' settings with a table of thresholds and 'Packet Anomaly Defense' settings with a list of checkboxes.

Setting	Value	Unit
<input type="checkbox"/> Multi-connections TCP SYN Flood	10000	Pkt/s
<input type="checkbox"/> Multi-connections UDP Flood	12000	Pkt/s
<input type="checkbox"/> Multi-connections ICMP Flood	1500	Pkt/s
<input type="checkbox"/> Stationary source TCP SYN Flood	4000	Pkt/s
<input type="checkbox"/> Stationary source UDP Flood	6000	Pkt/s
<input type="checkbox"/> Stationary source ICMP Flood	600	Pkt/s

**Packet Anomaly Defense**

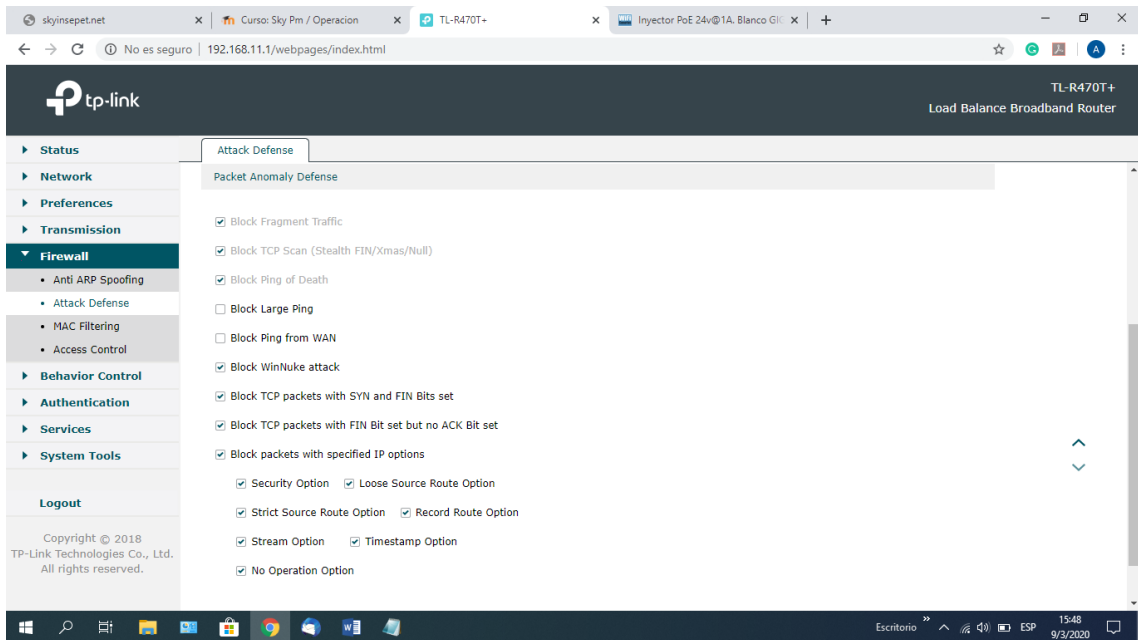
- Block Fragment Traffic
- Block TCP Scan (Stealth FIN/Xmas/Null)
- Block Ping of Death
- Block Large Ping

Luego daremos click en **Attack Defense**

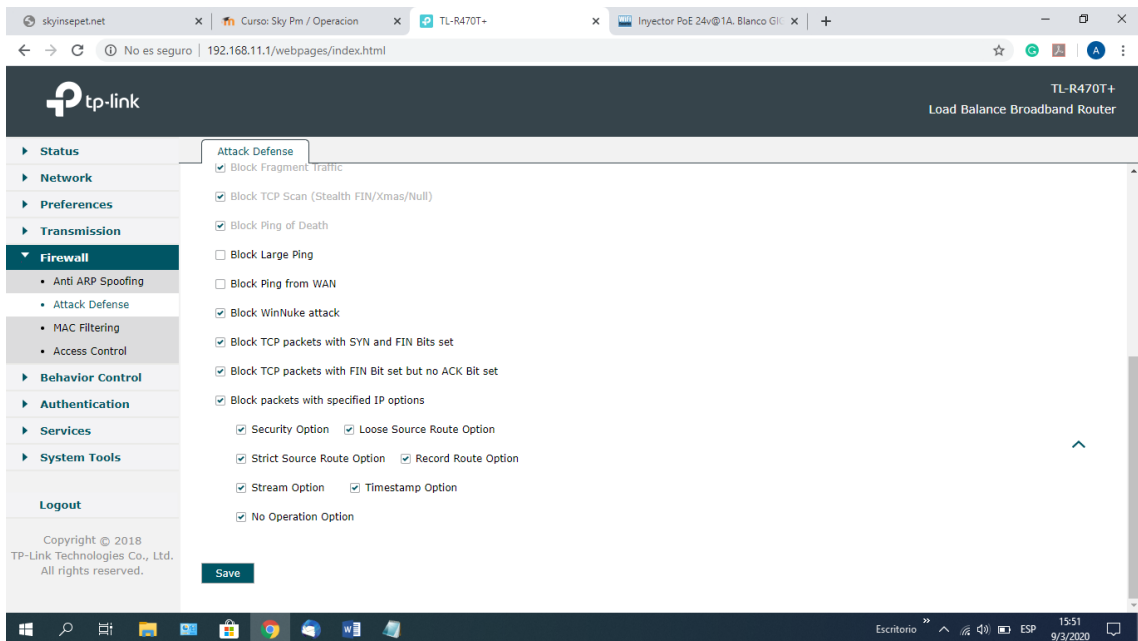


This screenshot is identical to the previous one, showing the 'Attack Defense' settings page in the TP-Link web interface. The 'Attack Defense' tab is active, and the settings for Flood Defense and Packet Anomaly Defense are visible.

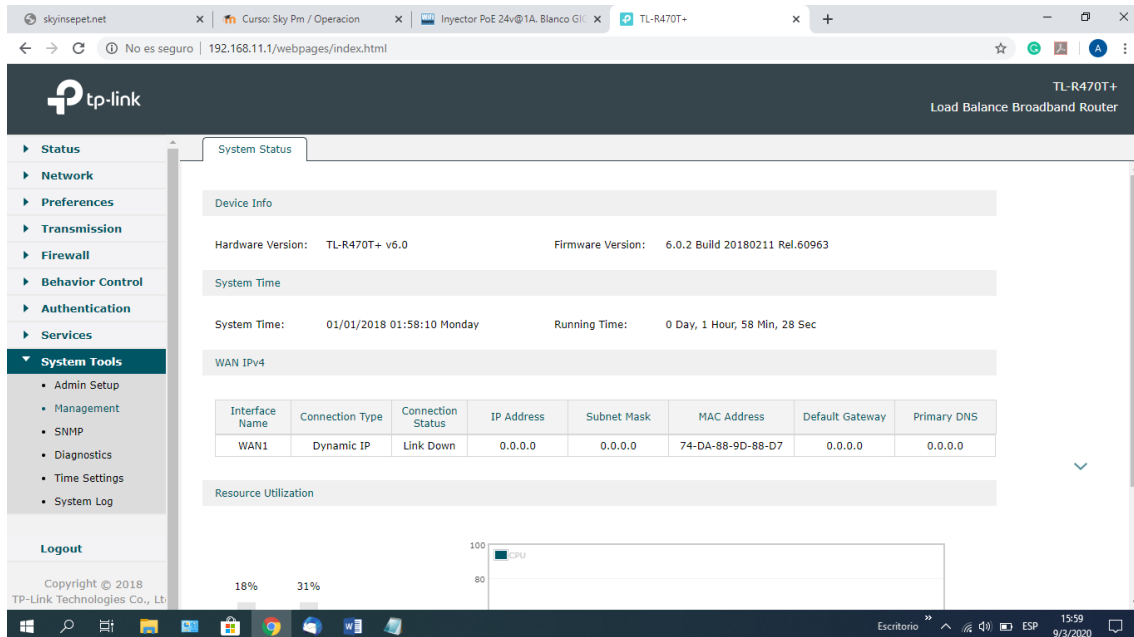
Nos desplazaremos hacia abajo y deseleccionaremos los iconos de **Block Large Ping**, **Block Ping**  
**From WAN**:



Daremos click en **Save**



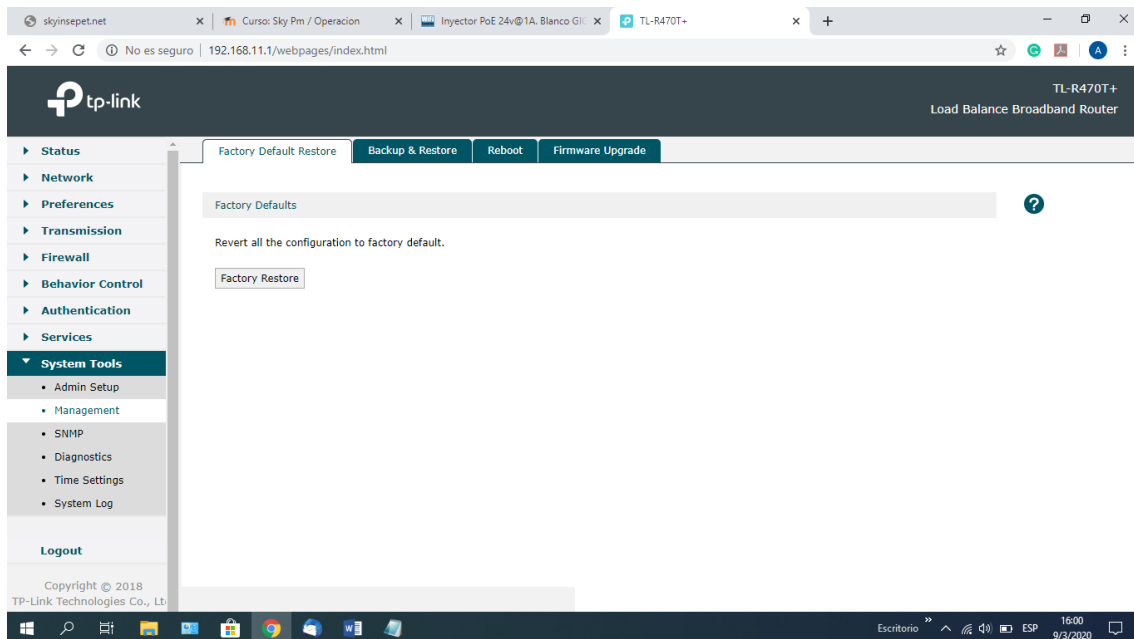
## Realizar Backup de la configuración inicial daremos click en **System Tools**



The screenshot shows the TP-Link web interface for a TL-R470T+ Load Balance Broadband Router. The left sidebar menu is expanded to 'System Tools'. The main content area displays 'System Status' with the following information:

- Device Info: Hardware Version: TL-R470T+ v6.0, Firmware Version: 6.0.2 Build 20180211 Rel.60963
- System Time: System Time: 01/01/2018 01:58:10 Monday, Running Time: 0 Day, 1 Hour, 58 Min, 28 Sec
- WAN IPv4: A table showing WAN1 with Dynamic IP, Link Down status, and IP Address 0.0.0.0.
- Resource Utilization: A graph showing CPU usage at 18% and 31%.

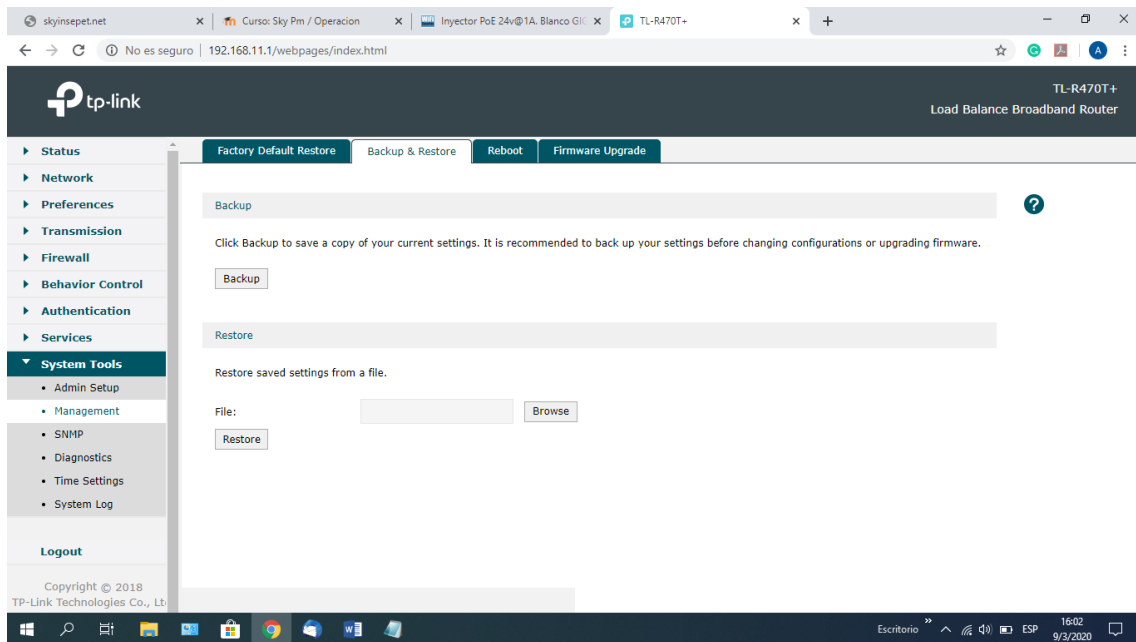
## Se despliega un menú seleccionaremos **Managment** :



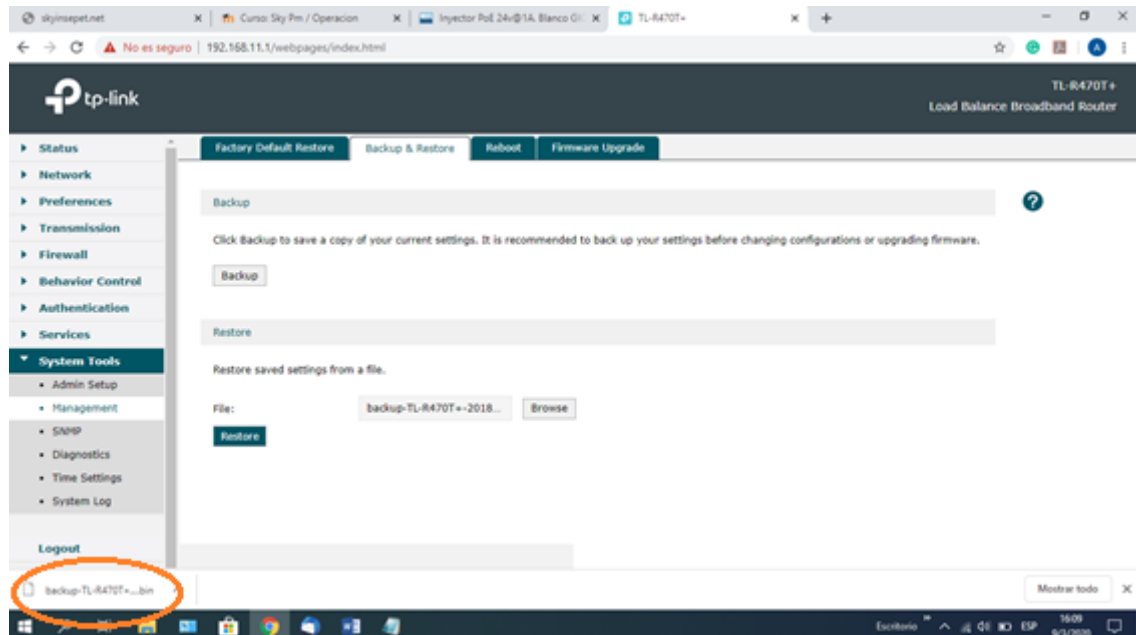
The screenshot shows the TP-Link web interface for a TL-R470T+ Load Balance Broadband Router. The left sidebar menu is expanded to 'System Tools', and the 'Management' option is selected. The main content area displays 'Factory Defaults' with the following information:

- Factory Defaults: Revert all the configuration to factory default.
- Factory Restore: A button to initiate the factory restore process.

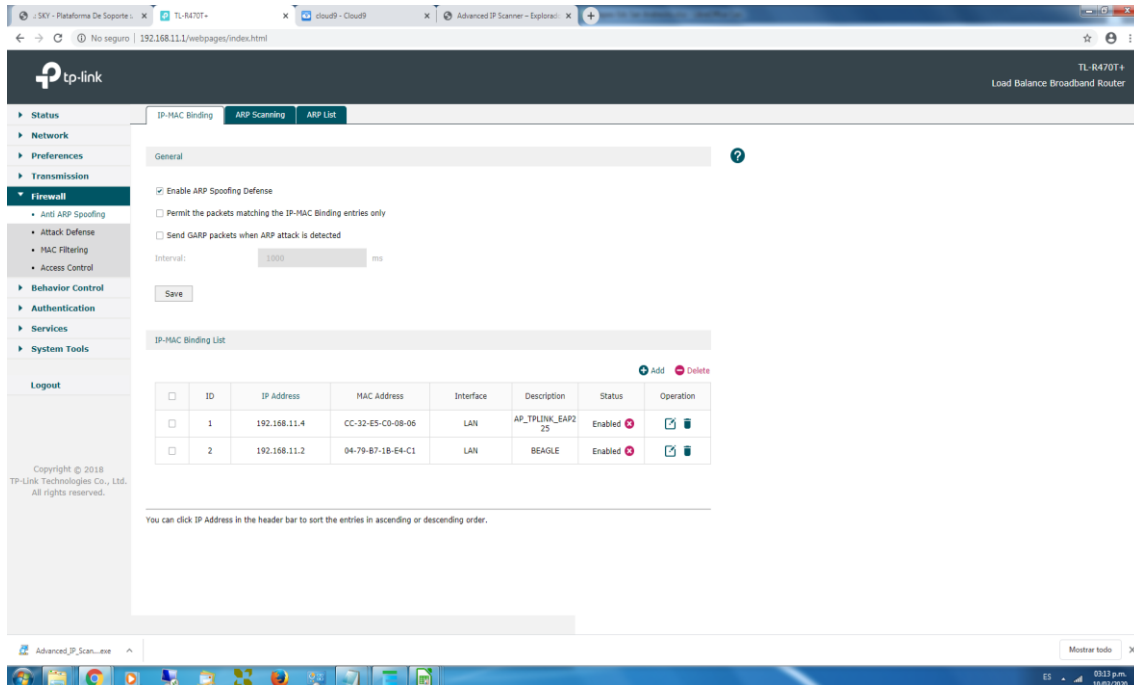
## Luego daremos click en **Backup & Restaure**



Damos click en **Backup** el dispositivo nos realizar una copia de respaldo que quedara alojada en la carpeta descargas de nuestro pc.



Nota: siempre que reservemos una misma ip, para una nueva Mac por ejemplo un nuevo Beagle que por algún motivo tuvimos que cambiar en el router debemos ingresar a **Firewall, Anti ARP Spoofing** y eliminar el dispositivo que se había reservado.



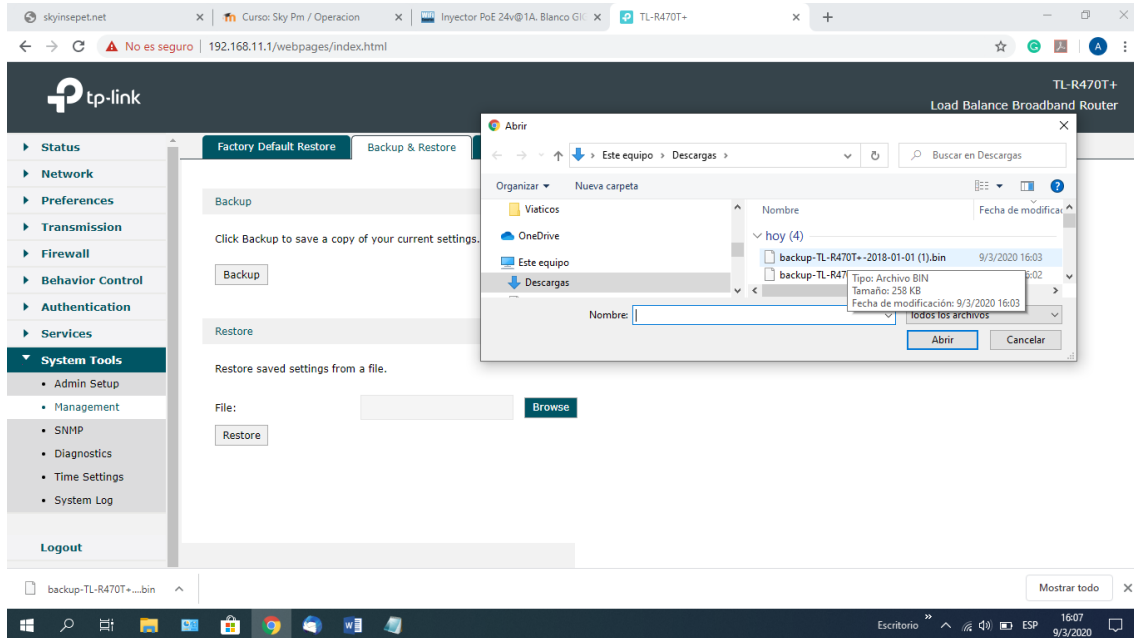
The screenshot shows the TP-Link web interface for a TL-R470T+ router. The 'Firewall' menu is expanded to 'Anti ARP Spoofing'. The 'Enable ARP Spoofing Defense' checkbox is checked. Below it, there are two unchecked options: 'Permit the packets matching the IP-MAC Binding entries only' and 'Send GARP packets when ARP attack is detected'. An 'Interval' field is set to 1000 ms. A 'Save' button is visible. Below the configuration, the 'IP-MAC Binding List' table is shown with two entries:

ID	IP Address	MAC Address	Interface	Description	Status	Operation
1	192.168.11.4	CC-32-E5-C0-08-06	LAN	AP_TPLINK_EAP2_25	Enabled	[Edit] [Delete]
2	192.168.11.2	04-79-B7-1B-E4-C1	LAN	BEAGLE	Enabled	[Edit] [Delete]

At the bottom of the table, there is a note: "You can click IP Address in the header bar to sort the entries in ascending or descending order."

Nota: el siguiente paso solo aplicara para el caso puntual de requerir la restauración:

En caso de requerir la información podremos restaurar la configuración inicial dando click en **Browse** Y cargando el archivo que se encuentra en nuestra carpeta descargas.



Y luego realizaremos la restauración de lo seleccionado dando click en **Restore**.

