

# Configurar Router Mikrotik

## Conexión inicial

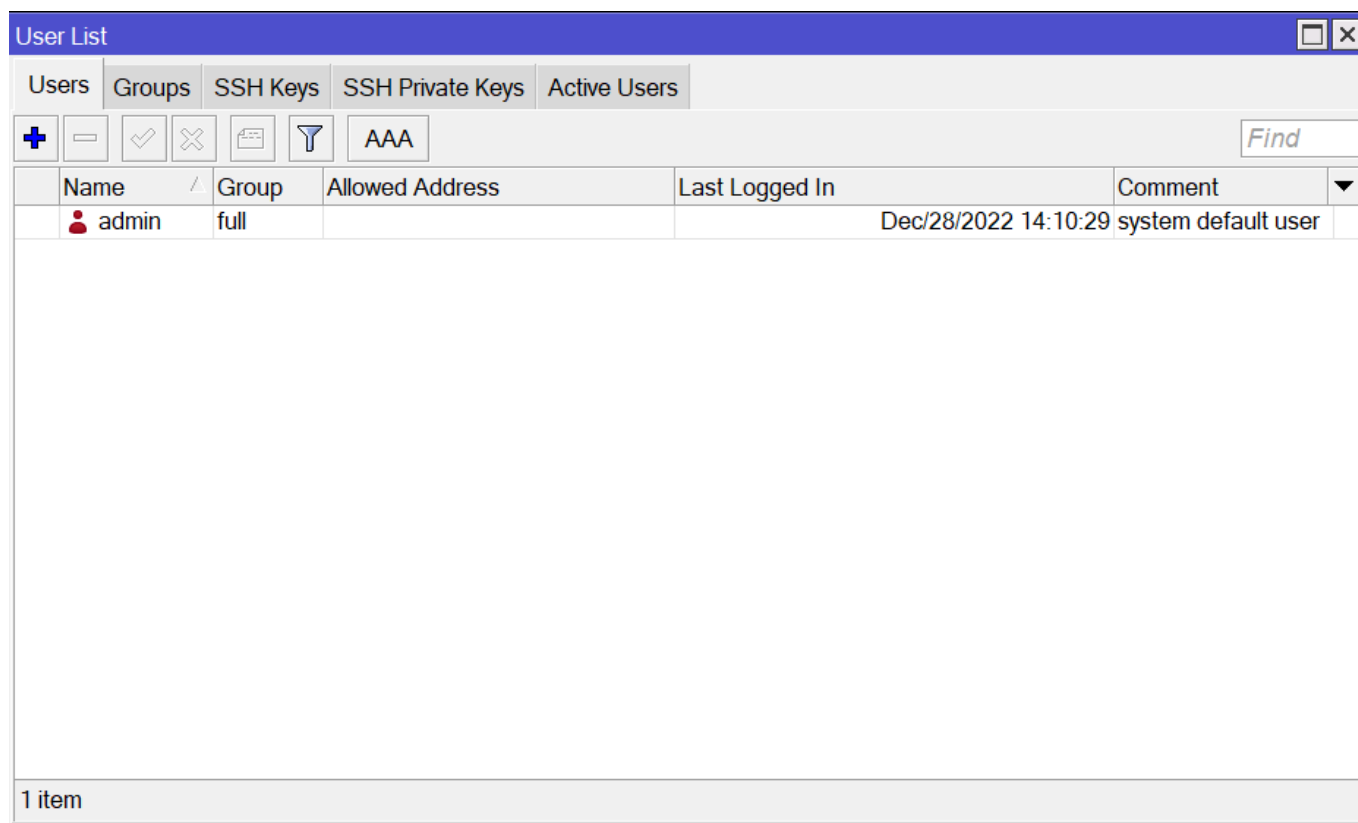
- Conectamos la boca Eth 1 del mikrotik a la misma red a la que estemos conectados . La boca 1 tiene un cliente de DHCP y cogerá una ip automáticamente.
- Usando el programa Winbox previamente descargado de la página de Mikrotik, nos conectamos o bien por ip o usando la MAC mediante la pestaña Neightbords para configurarlo

usuario: admin  
password : no tiene

## Cambiar la contraseña del usuario admin

por defecto el usuario admin viene sin contraseña, por lo que debemos asignarle una contraseña:

Vamos a system/users



## Sincronizar hora

se cambia la zona horaria a Atlantic/Canary. Vamos a System/Clock

Time Manual Time Zone

Time: 08:32:54

Date: Dec/29/2022

Time Zone Autodetect

Time Zone Name: Atlantic/Canary

GMT Offset: +00:00

DST Active

OK

Cancel

Apply

Activamos el cliente de ntp del router en → system/sntp client

SNTP Client

Enabled

Mode: unicast

Primary NTP Server: hora.roa.es

Secondary NTP Server: 0.0.0.0

Server DNS Names:

Dynamic Servers:

Poll Interval: 128 s

Active Server: 150.214.94.5

Last Update From: 150.214.94.5

Last Update: 00:00:52 ago

Last Adjustment: 5 065 us

Last Bad Packet From:

Last Bad Packet:

Last Bad Packet Reason:

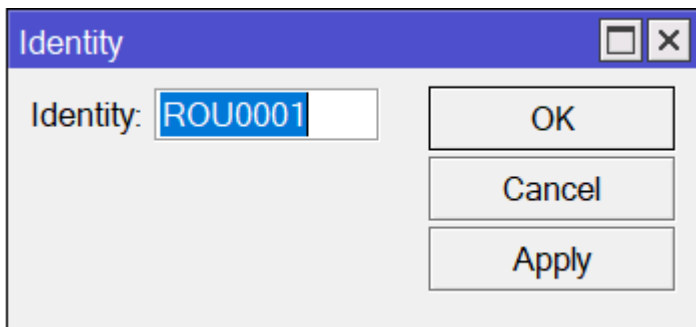
OK

Cancel

Apply

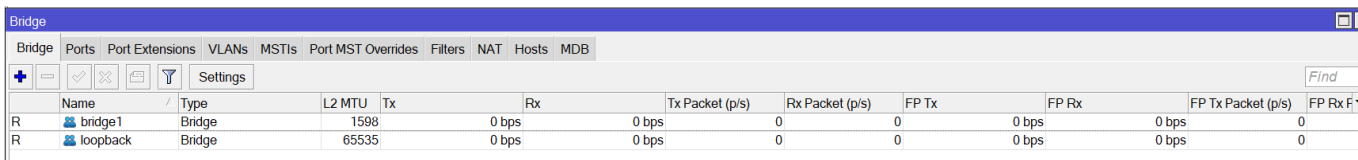
## Cambiamos el identificador del router

Vamos a → System/Identity



## Creamos un Bridge

En el menú /BRIDGE vamos a crear dos bridges, uno para aplicar la configuración a los puerto eth1 al eth5, el otro lo llamamos loopback pero no tiene asociado ningún interfaz



Name	Type	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)	FP Rx F
R bridge1	Bridge	1598	0 bps	0 bps	0	0	0 bps	0 bps	0	0
R loopback	Bridge	65535	0 bps	0 bps	0	0	0 bps	0 bps	0	0

## Configuración LTE -> Interfaces/LTE APNs

### Para Vodafone

- name → Vodafone
- APN → ac.vodafone.es
- IP Type → IPv4
- Use Peer DNS → true
- Add default route → true
- Authentication → CHAP
- user → vodafone
- password → vodafone

The screenshot shows the Mikrotik WinBox interface for configuring LTE APNs. A table on the left lists the APNs, with 'Vodafone' and 'ac.vodafone.es' selected. A modal window titled 'LTE APN <Vodafone>' is open, showing the following configuration:

- Name: Vodafone
- APN: ac.vodafone.es
- IP Type: IPv4
- Use Peer DNS
- Add Default Route
- Default Route Distance: 2
- IPv6 Interface: none
- Authentication: CHAP
- User: vodafone
- Password: \*\*\*\*\*
- Passthrough Interface: none

Buttons for OK, Cancel, Apply, Comment, Copy, and Remove are visible on the right side of the modal window.

## Interfaz LTE

This is a duplicate of the screenshot above, showing the Mikrotik WinBox interface for configuring LTE APNs. A table on the left lists the APNs, with 'Vodafone' and 'ac.vodafone.es' selected. A modal window titled 'LTE APN <Vodafone>' is open, showing the following configuration:

- Name: Vodafone
- APN: ac.vodafone.es
- IP Type: IPv4
- Use Peer DNS
- Add Default Route
- Default Route Distance: 2
- IPv6 Interface: none
- Authentication: CHAP
- User: vodafone
- Password: \*\*\*\*\*
- Passthrough Interface: none

Buttons for OK, Cancel, Apply, Comment, Copy, and Remove are visible on the right side of the modal window.

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