

[router](#), [mikrotik](#)

Configurar Router Mikrotik

Conexión inicial

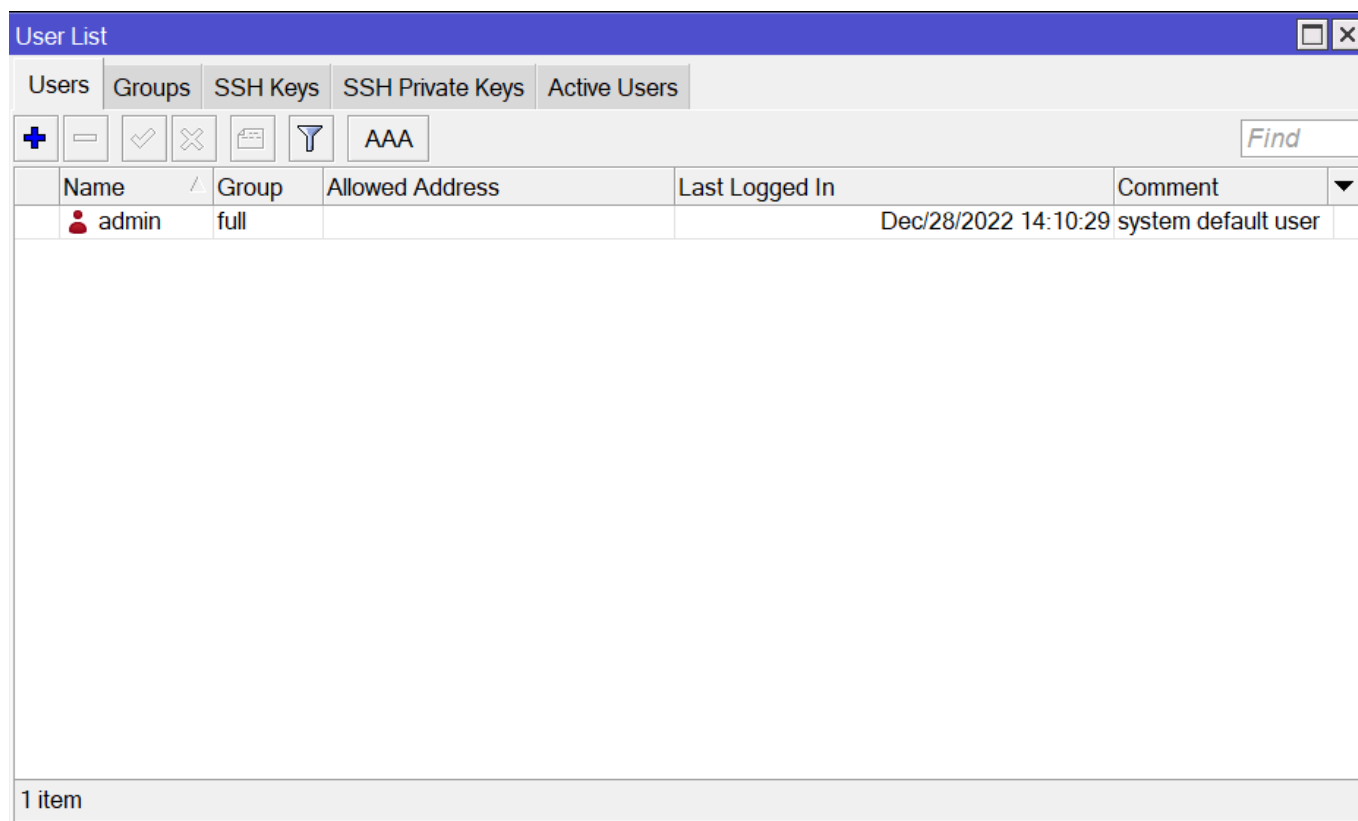
- Conectamos la boca Eth 1 del mikrotik a la misma red a la que estemos conectados . La boca 1 tiene un cliente de DHCP y cogerá una ip automáticamente.
- Usando el programa Winbox previamente descargado de la página de Mikrotik, nos conectamos o bien por ip o usando la MAC mediante la pestaña Neightbords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



Actualizar Firmware

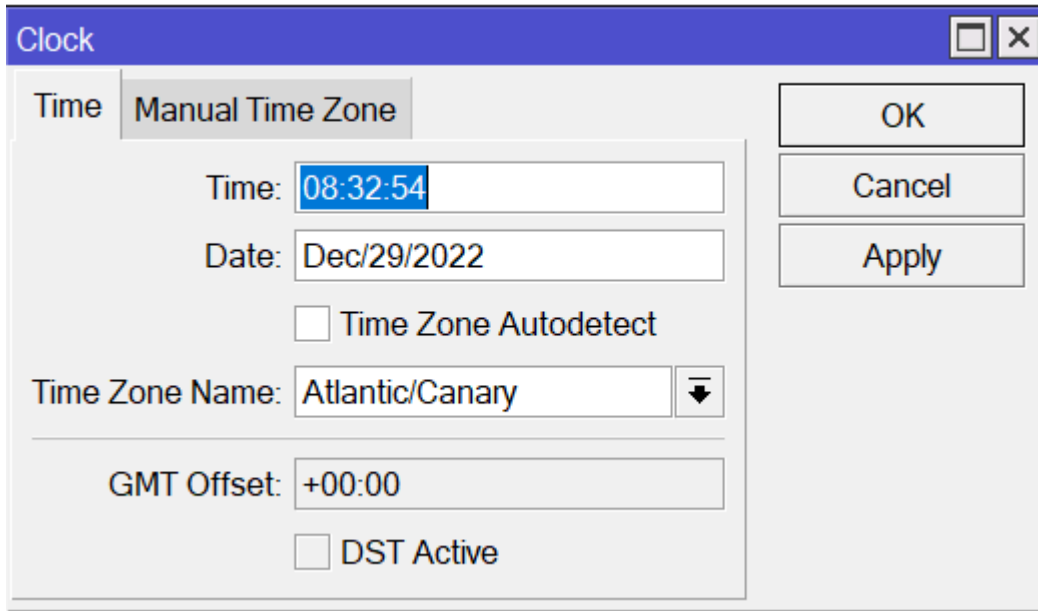
1. Desde la página de Mikrotik nos bajamos la última versión estable del firmware de nuestro router
2. Abrimos una conexión con nuestro router, pulsamos en la pestaña Files y arrastramos el fichero

con la actualización a dicha ventana

3. Reiniciamos el router para que instale la versión del firmware que hemos copiado

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

Identity

Identity: ROU0001

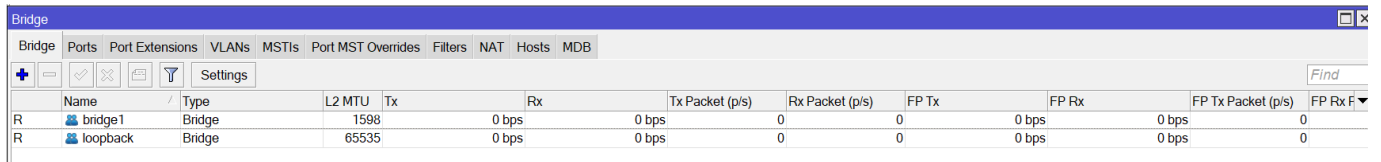
OK

Cancel

Apply

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



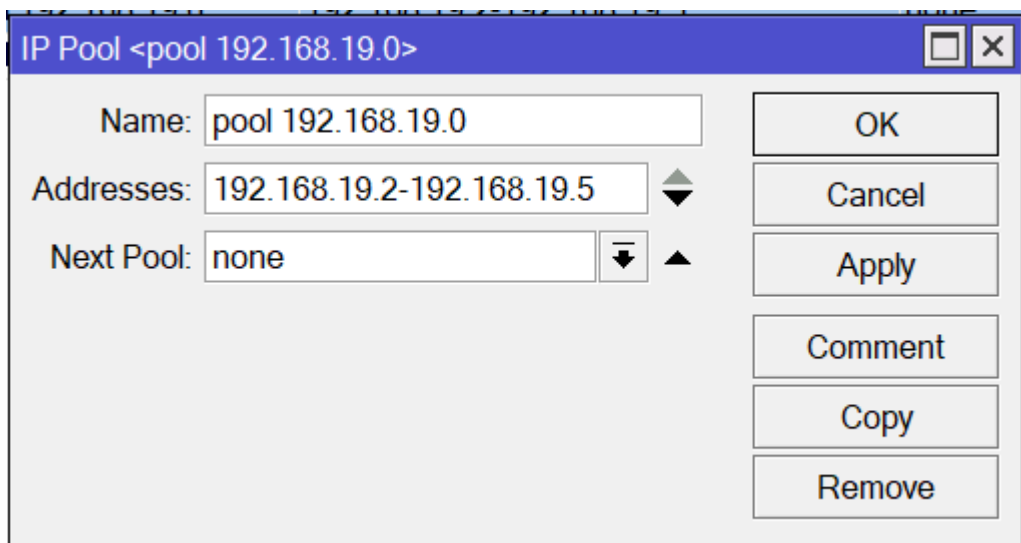
The screenshot shows the Mikrotik WinBox Bridge configuration window. It has a menu bar with 'Ports', 'Port Extensions', 'VLANs', 'MSTIs', 'Port MST Overrides', 'Filters', 'NAT', 'Hosts', and 'MDB'. Below the menu bar is a toolbar with icons for adding, deleting, and filtering, along with a 'Settings' button and a 'Find' search box. The main area contains a table with columns: Name, Type, L2 MTU, Tx, Rx, Tx Packet (p/s), Rx Packet (p/s), FP Tx, FP Rx, FP Tx Packet (p/s), and FP Rx F. The table lists two bridges: 'bridge1' and 'loopback', both with an L2 MTU of 1598 and 65535 respectively, and zero traffic statistics.

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
bridge1	Bridge	1598	0 bps	0 bps	0	0	0 bps	0 bps	0	0
loopback	Bridge	65535	0 bps	0 bps	0	0	0 bps	0 bps	0	0

Configuración del DHCP

Paso 1

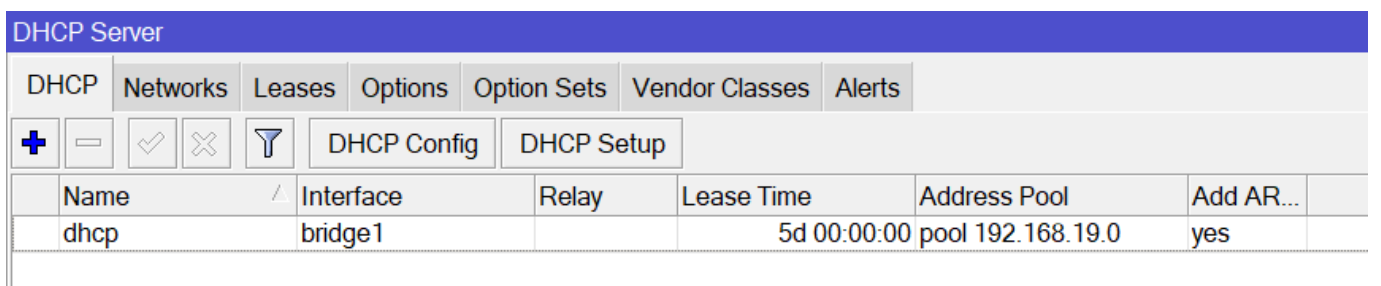
Se crea un DHCP Pool → IP/pool



The screenshot shows the Mikrotik WinBox IP Pool configuration window for 'pool 192.168.19.0'. It has a title bar with the pool name and window controls. The main area contains three input fields: 'Name' with the value 'pool 192.168.19.0', 'Addresses' with the value '192.168.19.2-192.168.19.5', and 'Next Pool' with the value 'none'. To the right of these fields is a vertical stack of buttons: 'OK', 'Cancel', 'Apply', 'Comment', 'Copy', and 'Remove'.

Paso 2

Se crea un DHCP Server



The screenshot shows the Mikrotik WinBox DHCP Server configuration window. It has a menu bar with 'DHCP', 'Networks', 'Leases', 'Options', 'Option Sets', 'Vendor Classes', and 'Alerts'. Below the menu bar is a toolbar with icons for adding, deleting, and filtering, along with 'DHCP Config' and 'DHCP Setup' buttons. The main area contains a table with columns: Name, Interface, Relay, Lease Time, Address Pool, and Add AR... The table lists one DHCP server named 'dhcp' with interface 'bridge1', a lease time of '5d 00:00:00', and an address pool of 'pool 192.168.19.0'.

Name	Interface	Relay	Lease Time	Address Pool	Add AR...
dhcp	bridge1		5d 00:00:00	pool 192.168.19.0	yes

Paso 3

Le asignamos al bridge la ip 1 para que actúe como gateway → /IP/Address

Address <192.168.19.1/24>

Address:	192.168.19.1/24	OK
Network:	192.168.19.0 ▲	Cancel
Interface:	bridge1 ▼	Apply
		Disable
		Comment
		Copy
		Remove

enabled

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