

[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

User List

UsersGroupsSSH KeysSSH Private KeysActive Users

+


-

✓

✕

AAA

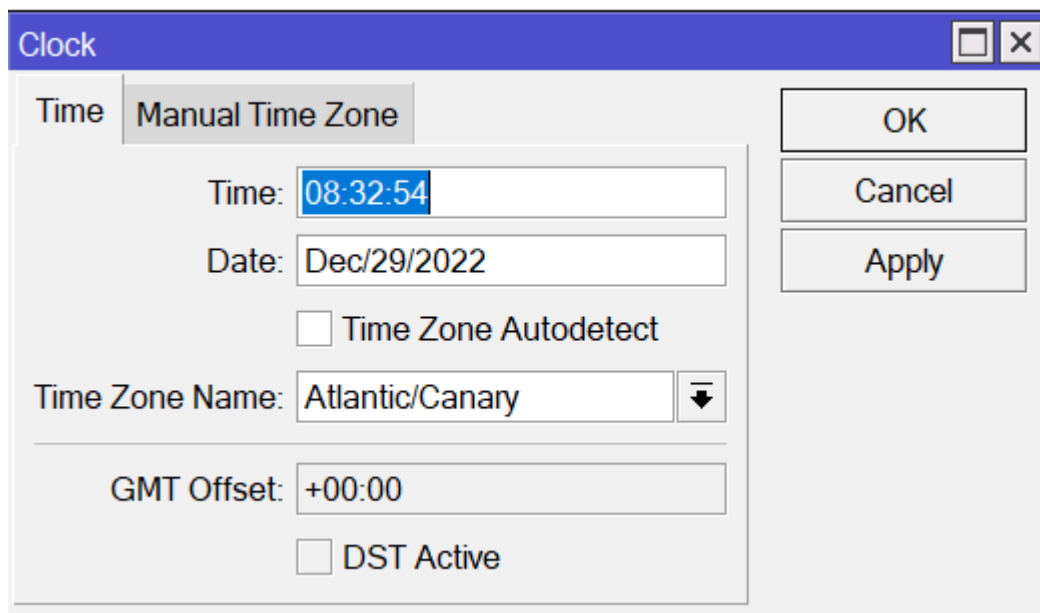
Find

	Name /	Group	Allowed Address	Last Logged In	Comment	
	 admin	full		Dec/28/2022 14:10:29	system default user	

1 item

Sincronizar hora

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



The 'Clock' window has a title bar with a maximize button and a close button. It contains two tabs: 'Time' and 'Manual Time Zone'. The 'Manual Time Zone' tab is active. The 'Time' section has a 'Time' field with the value '08:32:54' and a 'Date' field with the value 'Dec/29/2022'. Below these is a checkbox for 'Time Zone Autodetect' which is unchecked. The 'Time Zone Name' is set to 'Atlantic/Canary' in a dropdown menu. The 'GMT Offset' is set to '+00:00'. At the bottom, there is a checkbox for 'DST Active' which is unchecked. On the right side of the window, there are three buttons: 'OK', 'Cancel', and 'Apply'.

Time Manual Time Zone

Time: 08:32:54

Date: Dec/29/2022

☐ Time Zone Autodetect

Time Zone Name: Atlantic/Canary

GMT Offset: +00:00

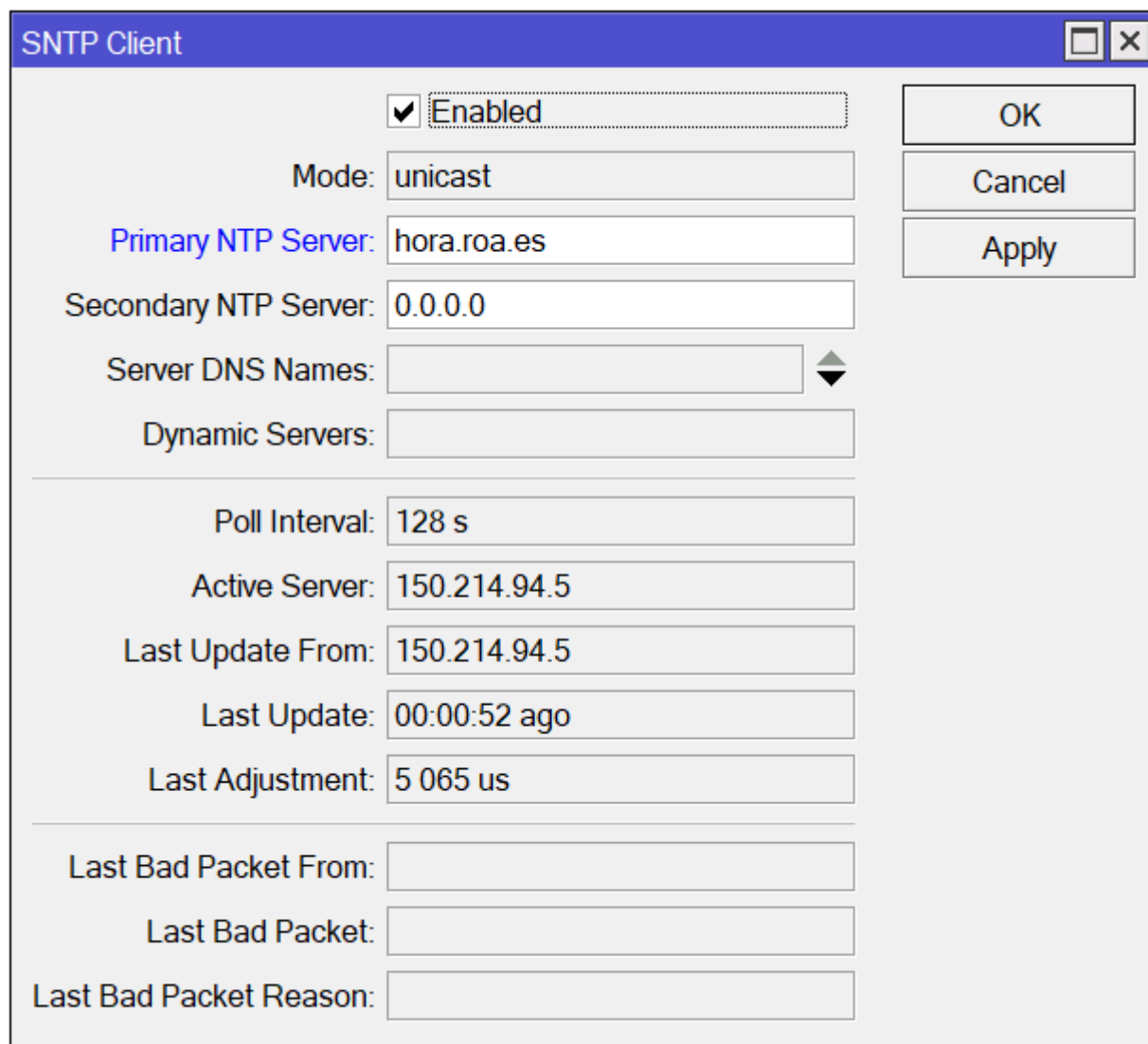
☐ DST Active

OK

Cancel

Apply

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



The 'SNTP Client' window has a title bar with a maximize button and a close button. It contains a checkbox for 'Enabled' which is checked. Below this is a 'Mode' dropdown menu set to 'unicast'. The 'Primary NTP Server' is set to 'hora.roa.es'. The 'Secondary NTP Server' is set to '0.0.0.0'. There is a 'Server DNS Names' field with a dropdown arrow. Below that is a 'Dynamic Servers' field. The 'Poll Interval' is set to '128 s'. The 'Active Server' is set to '150.214.94.5'. The 'Last Update From' is set to '150.214.94.5'. The 'Last Update' is set to '00:00:52 ago'. The 'Last Adjustment' is set to '5 065 us'. At the bottom, there are three fields: 'Last Bad Packet From', 'Last Bad Packet', and 'Last Bad Packet Reason'. On the right side of the window, there are three buttons: 'OK', 'Cancel', and 'Apply'.

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:

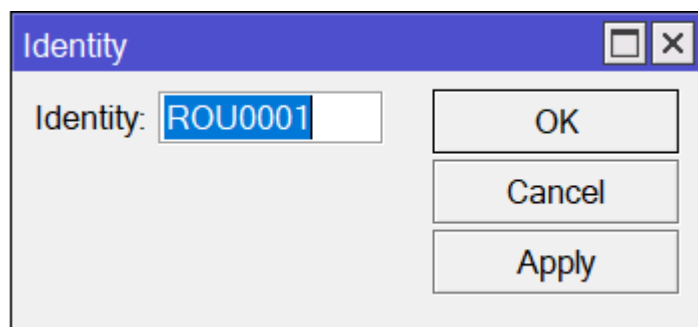
OK

Cancel

Apply

Cambiamos el identificador del router

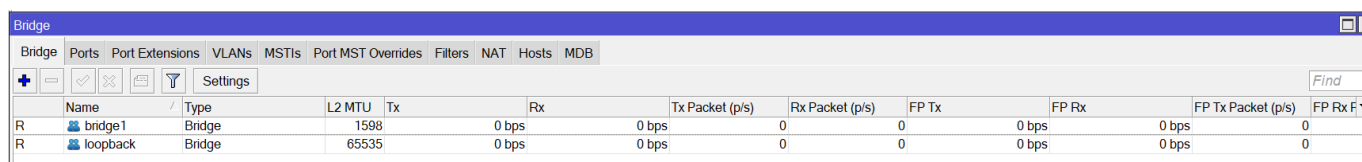
Vamos a → System/Identity



The Identity configuration window shows the 'Identity' field set to 'ROU0001'. Below the field are three buttons: 'OK', 'Cancel', and '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



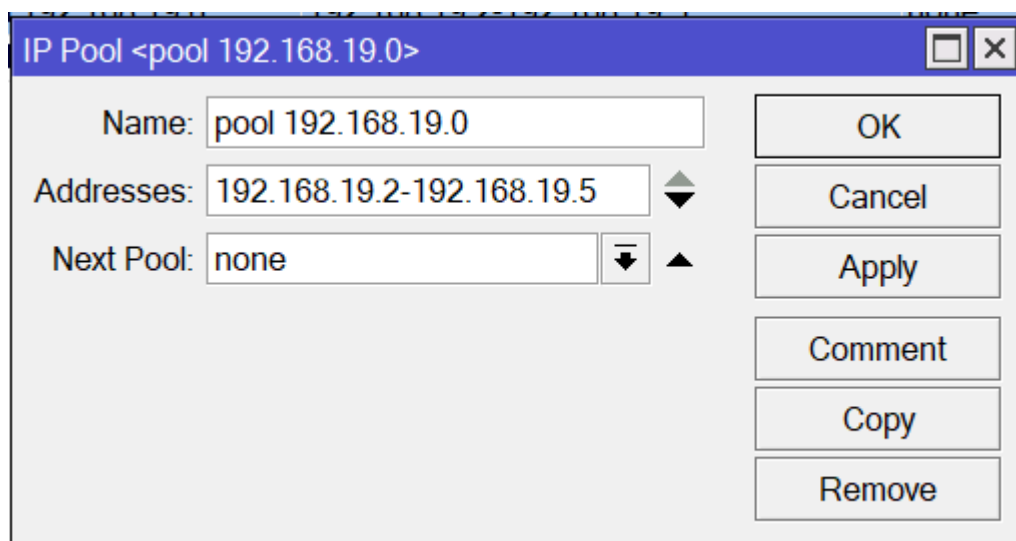
The Bridge configuration window shows a table with two bridges: 'bridge1' and 'loopback'.

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	
R loopback	Bridge	65535	0 bps	0 bps	0	0	0 bps	0 bps	0	

Configuración del DHCP

Paso 1






Se crea un DHCP Pool → IP/pool



The IP Pool configuration window shows the 'Name' field set to 'pool 192.168.19.0', the 'Addresses' field set to '192.168.19.2-192.168.19.5', and the 'Next Pool' field set to 'none'. Below the fields are six buttons: 'OK', 'Cancel', 'Apply', 'Comment', 'Copy', and 'Remove'.

Paso 2

Se crea un DHCP Server

DHCP Server						
DHCP	Networks	Leases	Options	Option Sets	Vendor Classes	Alerts
					DHCP Config	DHCP Setup
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

Network: 192.168.19.0 ▲

Interface: bridge1 ▼

OK

Cancel

Apply

Disable

Comment

Copy

Remove

enabled

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