

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

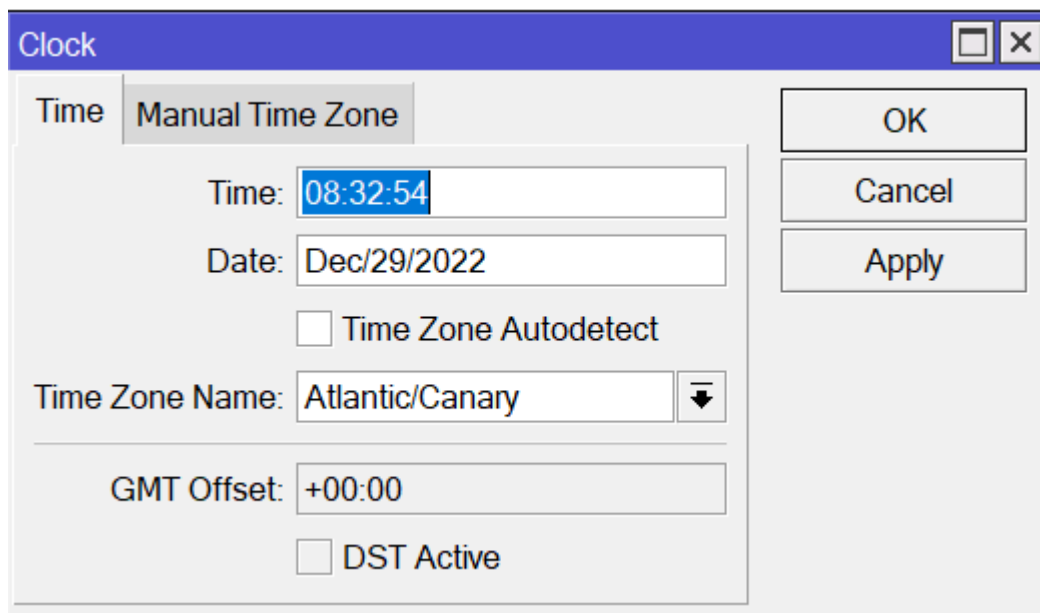
Find

	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' field shows '08:32:54'. The 'Date' field shows 'Dec/29/2022'. There is an unchecked checkbox for 'Time Zone Autodetect'. The 'Time Zone Name' dropdown menu is set to 'Atlantic/Canary'. The 'GMT Offset' field shows '+00:00'. There is an unchecked checkbox for 'DST Active'. On the right side, 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

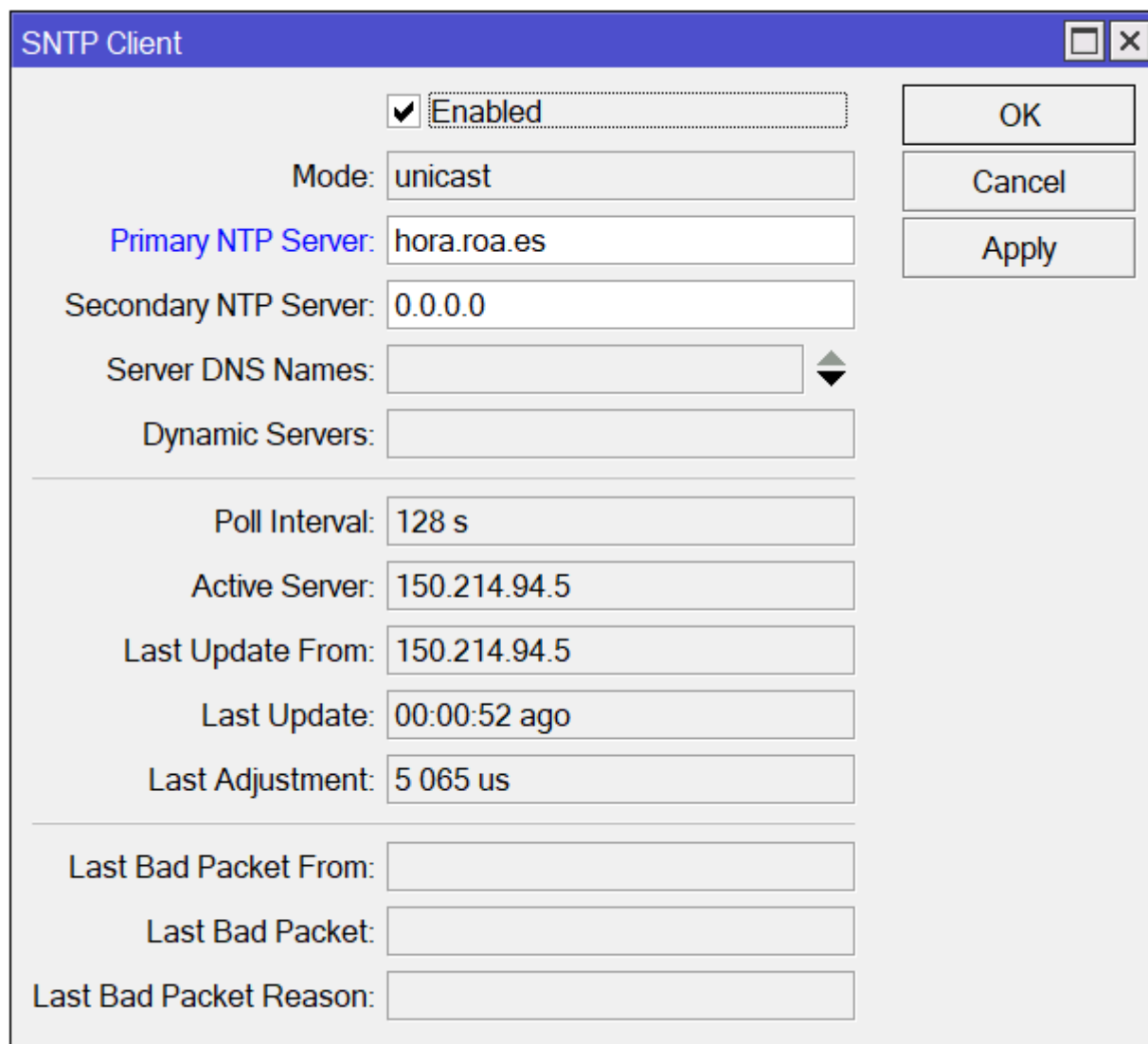
☐ DST Active

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. The 'Mode' dropdown menu is set to 'unicast'. The 'Primary NTP Server' field shows 'hora.roa.es'. The 'Secondary NTP Server' field shows '0.0.0.0'. The 'Server DNS Names' field is empty. The 'Dynamic Servers' field is empty. The 'Poll Interval' field shows '128 s'. The 'Active Server' field shows '150.214.94.5'. The 'Last Update From' field shows '150.214.94.5'. The 'Last Update' field shows '00:00:52 ago'. The 'Last Adjustment' field shows '5 065 us'. The 'Last Bad Packet From' field is empty. The 'Last Bad Packet' field is empty. The 'Last Bad Packet Reason' field is empty. On the right side, 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:

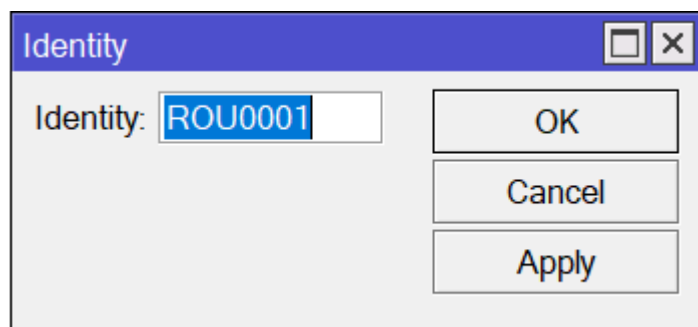
OK

Cancel

Apply

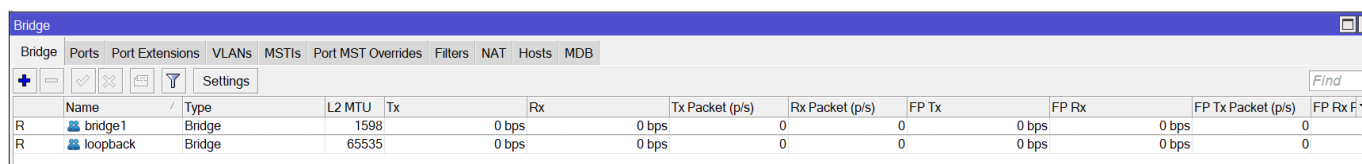
Cambiamos el identificador del router

Vamos a → System/Identity



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
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

LTE APNs

Name	APN
Vodafone	ac.vodafone.es

1 item (1 selected)

LTE APN <Vodafone>

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

OK

Cancel

Apply

Comment

Copy

Remove

Find

Interface	Passth. MAC Add...
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Interfaz LTE

LTE APNs

Name	APN
Vodafone	ac.vodafone.es

1 item (1 selected)

LTE APN <Vodafone>

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

OK

Cancel

Apply

Comment

Copy

Remove

Find

Interface	Passth. MAC Add...
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