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WinBox

Created by Normunds R., last updated by Jānis Bērziņš on Sep 30, 2024 • 12 minute read

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Summary

A native WinBox beta version for Linux and macOS is now available on the MikroTik downloads page!

WinBox is a small utility that allows the administration of MikroTik RouterOS using a fast and simple GUI. It is a native Win32/Win64 binary but can be run on **Linux** and **macOS (OSX)** using Wine. All WinBox interface functions are as close as possible mirroring the console functions, that is why there are no WinBox sections in the manual. Some advanced and system critical configurations are not possible from the WinBox, like MAC address change on an interface.

From WinBox v3.14, the following security features are used:

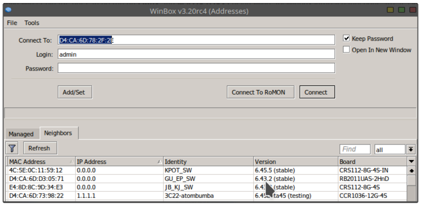
- WinBox.exe is signed with an Extended Validation certificate, issued by SIA Mikrotīkls (MikroTik).
- WinBox uses ECSRP for key exchange and authentication (requires a new WinBox version).
- Both sides verify that the other side knows the password (no man in the middle attack is possible).
- WinBox in RoMON mode requires that the agent is the latest version to be able to connect to the latest version routers.
- WinBox uses AES128-CBC-SHA as an encryption algorithm (requires WinBox version 3.14 or above).

Starting WinBox

WinBox loader can be downloaded from the MikroTik download page. When WinBox.exe is downloaded, double click on it, and the WinBox loader window will pop up. There are two WinBox loader modes: simple which is enabled by default and advanced.

Simple mode

When you open WinBox loader for the first time simple mode layout will be used:


WinBox v3.20rc4 (Addresses)
File
Tools
Add/Set
Connect To RoMON
Connect
Managed
Neighbors
Refresh
Find
all

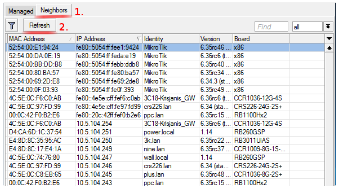
Connect To: D4:CA:6D:78:2F:2
Login: admin
Password:
☑ Keep Password
☐ Open In New Window

MAC Address	IP Address	Identity	Version	Board
4C:5E:0C:11:59:12	0.0.0.0	KPOT_SW	6.45.5 (stable)	CRS112-8G-4S-IN
D4:CA:6D:D3:05:71	0.0.0.0	GU_EP_SW	6.43.2 (stable)	RB2011UAS-2HnD
E4:8D:8C:9D:34:E3	0.0.0.0	JB_KJ_SW	6.4[illegible] (stable)	CRS112-8G-4S
D4:CA:6D:73:98:22	1.1.1.1	3C22-atombumba	6.4[illegible]ta45 (testing)	CCR1036-12G-4S

To connect to the router enter the IP or MAC address of the router, specify username and password (if any) and click on the **Connect** button. You can also enter the port number after the IP address, separating them with a colon, like this 192.168.88.1:9999. The port can be changed in the RouterOS **services** menu.

It is recommended to use an IP address whenever possible. MAC session uses network broadcasts and is not 100% reliable.

You can also use neighbor discovery, to list available routers use the **Neighbors** tab:


Managed
Neighbors
1.
Refresh
2.
Find
all

MAC Address	IP Address	Identity	Version	Board
52:54:00:E1:94:24	fe80::5054:ff:fee1:9424	MikroTik	6.35rc46 ...	x86
52:54:00:DA:0E:19	fe80::5054:ff:feda:e19	MikroTik	6.36rc6 (t...	x86
52:54:00:BB:DD:B8	fe80::5054:ff:febb:ddb8	MikroTik	6.35rc40 ...	x86
52:54:00:80:BA:57	fe80::5054:ff:fe80:ba57	MikroTik	6.35rc34 ...	x86
52:54:00:69:2D:E8	fe80::5054:ff:fe69:2de8	MikroTik	6.34.3 (st...	x86
52:54:00:0F:03:93	fe80::5054:ff:fe0f:393	MikroTik	6.35rc49 ...	x86
4C:5E:0C:F6:C0:AB	fe80::4e5e:cff:fef6:c0ab	3C18-Krisjanis_GW	6.36rc6 (t...	CCR1036-12G-4S
4C:5E:0C:97:FD:99	fe80::4e5e:cff:fe97:fd99	crs226.lan	6.34 (sta...	CRS226-24G-2S+
00:0C:42:F0:B2:E6	fe80::20c:42ff:fef0:b2e6	ppc.lan	6.35rc15 ...	RB1100Hx2
4C:5E:0C:F6:C0:AB	10.5.104.254	3C18-Krisjanis_GW	6.36rc6 (t...	CCR1036-12G-4S
D4:CA:6D:1C:37:54	10.5.104.251	power.local	1.14	RB260GSP
E4:8D:8C:35:95:AC	10.5.104.250	3k.lan	6.35rc22 ...	RB3011UiAS
E4:8D:8C:17:E4:1A	10.5.104.249	nine.lan	6.35rc37 ...	CCR1009-8G-1S-...
4C:5E:0C:74:76:80	10.5.104.247	wall.local	1.14	RB260GSP
4C:5E:0C:97:FD:99	10.5.104.246	crs226.lan	6.34 (sta...	CRS226-24G-2S+
4C:5E:0C:C8:EB:65	10.5.104.245	plus.lan	6.35rc48 ...	CCR1036-8G-2S+
00:0C:42:F0:B2:E6	10.5.104.243	ppc.lan	6.35rc15 ...	RB1100Hx2

From the list of discovered routers, you can click on the IP or MAC address column to connect to that router. If you click on IP address then IP will be used to connect, but if you click on MAC Address then the MAC address will be used to connect to the router.

Neighbor discovery will show also devices that are not compatible with WinBox, like Cisco routers or any other device that uses CDP (Cisco Discovery Protocol). If you will try to connect to a SwOS device, then the connection will be established through a web browser

Buttons/check-boxes and Other Fields

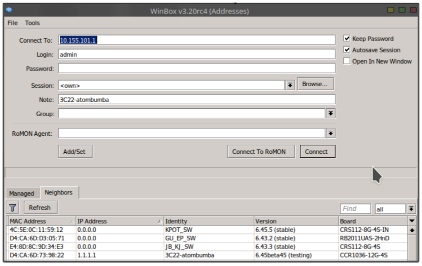
- **Connect** - Connect to the router
- **Connect To RoMON** - Connect to RoMON Agent
- **Add/set** - Save/Edit any of the saved router entries in the **Managed** tab.
- **Open In New Window** - Leaves loader open in the background and opens new windows for each device to which connection is made.
- **Connect To:** - destination IP or MAC address of the router
- **Login** - username used for authentication
- **Password** - password used for authentication
- **Keep Password** - if unchecked, the password is not saved to the list

Menu Items

- **File**
  - **New** - Create a new managed router list in a specified location
  - **Open** - Open managed router list file
  - **Save As** - Save current managed router list to file
  - **Exit** - Exit WinBox loader
- **Tools**
  - **Advanced Mode** - Enables/Disables advanced mode view
  - **Import** - Imports saved session file
  - **Export** - Exports saved session file
  - **Move Session Folder** - Change path where session files are stored
  - **Clear cache** - Clear WinBox cache
  - **Check For Updates** - Check for updates for WinBox loader

Advanced mode

Additional WinBox loader parameters are revealed when an **advanced mode** is enabled with *Tools → Advanced Mode:*



WinBox v3.20rc4 (Addresses)
File
Tools
Browse...
Add/Set
Connect To RoMON
Connect
Managed
Neighbors
Refresh
Find

Connect To: 10.155.101.1
Login: admin
Password:
Session: <own>
Note: 3C22-atombumba
Group:
RoMON Agent:

☑ Keep Password
☑ Autosave Session
☐ Open In New Window

MAC Address	IP Address	Identity	Version	Board
4C:5E:0C:11:59:12	0.0.0.0	KPOT_SW	6.45.5 (stable)	CRS112-8G-4S-IN
D4:CA:6D:D3:05:71	0.0.0.0	GU_EP_SW	6.43.2 (stable)	RB2011UAS-2HnD
E4:8D:8C:9D:34:E3	0.0.0.0	JB_KJ_SW	6.43.3 (stable)	CRS112-8G-4S
D4:CA:6D:73:98:22	1.1.1.1	3C22-atombumba	6.45beta45 (testing)	CCR1036-12G-4S

Buttons/check-boxes and Other Fields

Buttons/check-boxes

- **Browse** - Browse file directory for some specific session
- **Keep Password** - if unchecked, the password is not saved to the list
- **Secure mode** - if checked, WinBox will use DH-1984 for key exchange and modified and hardened RC4-drop3072 encryption to secure the session.
- **Autosave session** - Saves sessions automatically for devices to which connections are made.

Fields:

- **Session** - Saved router session.
- **Note** - Note that is assigned to save router entry.
- **Group** - Group to which saved router entry is assigned.
- **RoMON Agent** - Select RoMON Agent from the available device list

Managed routers list is encrypted, but it can still be loaded with another WinBox, **IF** the master password is not set for it!

Command Line

It is possible to use the command line to pass connect to, user and password parameters automatically:

```
winbox.exe [<connect-to> [<login> [<password>]]]
```

For example (with no password):

```
winbox.exe 10.5.101.1 admin ""
```

Will connect to router 10.5.101.1 with user "admin" without a password.

It is possible to use the command line to pass connect to, user, and password parameters automatically to connect to the router through RoMON. In this case, RoMON Agent must be saved on the Managed routers list so WinBox would know the user and password for this device:

```
winbox.exe --romon [<romon-agent> [<connect-to> [<login> [<password>]]]]
```

For example (with no password):

```
winbox.exe --romon 10.5.101.1 D4:CA:6D:E1:B5:7D admin ""
```

Will connect to router D4:CA:6D:E1:B5:7D, through 10.5.101.1 via RoMON Agent with user "admin" without a password.

IPv6 connectivity

WinBox supports IPv6 connectivity. To connect to the router's IPv6 address, it must be placed in square braces the same as in web browsers when connecting to the IPv6 server. Example:

[db8::1]

when connecting to the link-local address interface index must be entered after the %:

[0:a00:27ff:fe70::e88c%2]

Port number is set after the square brace when it is necessary to connect WinBox to other port than the default:

[0:a00:27ff:fe70::e88c]:8299

WinBox neighbor discovery is capable of discovering IPv6 enabled routers. There are two entries for each IPv6 enabled router, one entry is with IPv4 address and another one with IPv6 link-local address. You can easily choose which one you want to connect to.

Run WinBox on macOS

Starting with macOS 10.15 Catalina, Apple has removed support for 32bit applications, meaning it is no longer possible to use regular Wine and regular WinBox in this OS. Wine has made available a 64bit version for macOS, and MikroTik has released a special WinBox64.exe version as well.

To run WinBox64 the following steps are required.

1. Install latest Wine from the Wine macOS builds page (wine-devel-7.X-osx64.tar.xz) and make sure you have downloaded the WinBox64.exe executable from the MikroTik download page.
2. Launch WinBox64.exe with "open file with" > Wine64.app

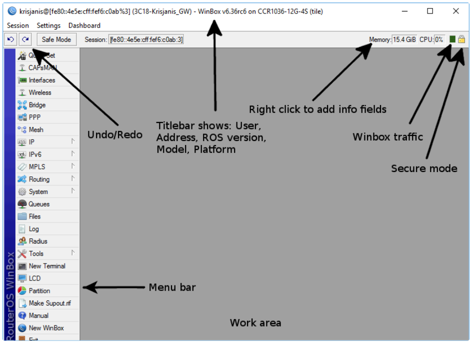
Run WinBox on Linux

It is possible to run WinBox on Linux by using Wine emulation software. Make sure that the Microsoft font pack is installed, otherwise, you may see distortions.

Interface Overview

WinBox interface has been designed to be intuitive for most of the users. The interface consists of:

- The main toolbar at the top where users can add various info fields, like CPU and memory usage.
- The menu bar on the left - list of all available menus and sub-menus. This list changes depending on what packages are installed. For example, if the IPv6 package is disabled, then the **IPv6** menu and all its sub-menus will not be displayed.
- Work area - an area where all menu windows are opened.



krisjanis@[fe80::4e5e:cff:fef6:c0ab%3] (3C18-Krisjanis_GW) - WinBox v6.36rc6 on CCR1036-12G-4S (tile)

Session: [fe80::4e5e:cff:fef6:c0ab:3]

Memory: 15.4 GiB CPU: 0%

Session
Settings
Dashboard
Safe Mode
Quick Set
CAPsMAN
Interfaces
Wireless
Bridge
PPP
Mesh
IP
IPv6
MPLS
Routing
System
Queues
Files
Log
Radius
Tools
New Terminal
LCD
Partition
Make Supout.rif
Manual
New WinBox
Exit
RouterOS WinBox
Undo/Redo
Titlebar shows: User, Address, ROS version, Model, Platform
Right click to add info fields
Winbox traffic
Secure mode
Menu bar
Work area

The title bar shows information to identify with which router WinBox session is opened. Information is displayed in the following format:

```
[username]@[Router's IP or MAC] ( [RouterID] ) - WinBox [ROS version] on [RB model] ([platform])
```

From screenshot above we can see that user **krisjanis** is logged into router with IPv4/IPv6 address **[fe80::4e5e:cff:fef6:c0ab%3]**. Router's ID is **3C18-Krisjanis_GW**, currently installed RouterOS version is **v6.36rc6**, RouterBoard is **CCR1036-12G-4S** and platform is **tile**.

On the Main toolbar's left side is located:

- **undo**
- **redo**
- **Safe Mode**
- Currently loaded session

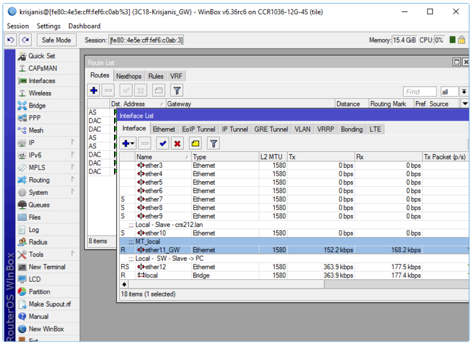
More about Safe mode and undoing performed actions read in this article.

On the right side is located:

- an indicator that shows whether the WinBox session uses encryption
- WinBox traffic indicator displayed as a green bar,
- Custom info fields that can be added by the user by right-clicking on the toolbar and picking available info fields from the list

Work Area and Child Windows

WinBox has an MDI interface meaning that all menu configuration (child) widows are attached to the main (parent) WinBox window and is showed in the work area.



krisjanis@[fe80::4e5e:cff:fef6:c0ab%3] (3C18-Krisjanis_GW) - WinBox v6.36rc6 on CCR1036-12G-4S (tile)

Session: fe80::4e5e:cff:fef6:c0ab:3] Memory: 15.4 GiB CPU: 0%

Session
Settings
Dashboard
Safe Mode
Quick Set
CAPsMAN
Interfaces
Wireless
Bridge
PPP
Mesh
IP
IPv6
MPLS
Routing
System
Queues
Files
Log
Radius
Tools
New Terminal
LCD
Partition
Make Supout.rif
Manual
New WinBox
Exit
RouterOS WinBox
Route List
Routes
Nexthops
Rules
VRF
Find
all
Dst. Address
Gateway
Distance
Routing Mark
Pref. Source
AS
DAC
DAC
AS
AS
DAC
DAC
DAC
8 items
Interface List
Interface
Ethernet
EoIP Tunnel
IP Tunnel
GRE Tunnel
VLAN
VRRP
Bonding
LTE

	Name	Type	L2 MTU	Tx	Rx	Tx Packet (p/s)
	ether3	Ethernet	1580	0 bps	0 bps	
	ether4	Ethernet	1580	0 bps	0 bps	
	ether5	Ethernet	1580	0 bps	0 bps	
	ether6	Ethernet	1580	0 bps	0 bps	
S	ether7	Ethernet	1580	0 bps	0 bps	
S	ether8	Ethernet	1580	0 bps	0 bps	
S	ether9	Ethernet	1580	0 bps	0 bps	
	;;; Local - Slave - crs212.lan					
S	ether10	Ethernet	1580	0 bps	0 bps	
	;;; MT_local					
R	ether11_GW	Ethernet	1580	152.2 kbps	168.2 kbps	
	;;; Local - SW - Slave -> PC					
RS	ether12	Ethernet	1580	363.9 kbps	177.5 kbps	
R	local	Bridge	1580	363.9 kbps	177.4 kbps	

18 items (1 selected)

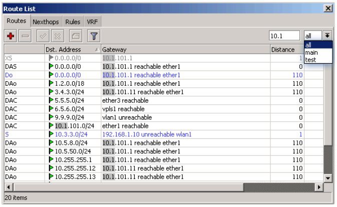
Child windows can not be dragged out of the working area. Notice in the screenshot above that the **Interface** window is dragged out of the visible working area and a horizontal scroll bar appeared at the bottom. If any window is outside visible work area boundaries the vertical or/and horizontal scrollbars will appear.

Child window menu bar

Each child window has its own toolbar. Most of the windows have the same set of toolbar buttons:

- ✚ **Add** - add a new item to the list
- ➖ **Remove** - remove the selected item from the list
- ✓ **Enable** - enable selected item (the same as **enable** command from console)
- ✖ **Disable** - disable selected item (the same as **disable** command from console)
- 🟨 **Comment** - add or edit a comment
- ▽ **Sort** - allows to sort out items depending on various parameters. `Read more >>`

Almost all windows have a quick search input field on the right side of the toolbar. Any text entered in this field is searched through all the items and highlighted as illustrated in the screenshot below



Route List
Routes
Nexthops
Rules
VRF
all
main
test

10.1

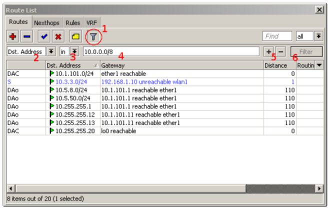
	Dst. Address	Gateway	Distance
XS	0.0.0.0/0	10.1.101.1	1
DAS	0.0.0.0/0	10.1.101.1 reachable ether1	0
Do	0.0.0.0/0	10.1.101.1 reachable ether1	110
DAo	1.2.0.0/18	10.1.101.1 reachable ether1	110
DAo	3.4.3.0/24	10.1.101.11 reachable ether1	110
DAC	5.5.5.0/24	ether3 reachable	0
DAC	6.5.6.0/24	vpls1 reachable	0
DAC	9.9.9.0/24	vlan1 unreachable	0
DAC	10.1.101.0/24	ether1 reachable	0
S	10.3.3.0/24	192.168.1.10 unreachable wlan1	1
DAo	10.5.8.0/24	10.1.101.1 reachable ether1	110
DAo	10.5.50.0/24	10.1.101.1 reachable ether1	110
DAo	10.255.255.1	10.1.101.1 reachable ether1	110
DAo	10.255.255.12	10.1.101.11 reachable ether1	110
DAo	10.255.255.13	10.1.101.11 reachable ether1	110

20 items

Notice that on the right side next to the quick find input filed there is a drop-down box. For the currently opened (IP Route) window, this drop-down box allows to quickly sort out items by routing tables. For example, if the **main** is selected, then only routes from the main routing table will be listed.
A similar drop-down box is also in all firewall windows to quickly sort out rules by chains.

Sorting out displayed items

Almost every window has a **Sort** button. When clicking on this button several options appear as illustrated in the screenshot below



Route List
Routes
Nexthops
Rules
VRF
1
Find
all
2
3
4
5
6
Filter

Dst. Address in 10.0.0.0/8

	Dst. Address	Gateway	Distance	Routin
DAC	10.1.101.0/24	ether1 reachable	0	
S	10.3.3.0/24	192.168.1.10 unreachable wlan1	1	
DAo	10.5.8.0/24	10.1.101.1 reachable ether1	110	
DAo	10.5.50.0/24	10.1.101.1 reachable ether1	110	
DAo	10.255.255.1	10.1.101.1 reachable ether1	110	
DAo	10.255.255.12	10.1.101.11 reachable ether1	110	
DAo	10.255.255.13	10.1.101.11 reachable ether1	110	
DAC	10.255.255.20	lo0 reachable	0	

8 items out of 20 (1 selected)

The example shows how to quickly filter out routes that are in the 10.0.0.0/8 range

1. Press **Sort** button
2. Choose **Dst.Address** from the first drop-down box.
3. Choose **in** form the second drop-down box. "in" means that filter will check if DST address value is in range of the specified network.
4. Enter the network against which values will be compared (in our example enter "10.0.0.0/8")
5. These buttons are to add or remove another filter to the stack.
6. Press the **Filter** button to apply our filter.

As you can see from the screenshot WinBox sorted out only routes that are within the 10.0.0.0/8 range.

Comparison operators (Number **3** in the screenshot) may be different for each window. For example "IP Route" window has only two **is** and **in**. Other windows may have operators such as "is not", "contains", "contains not".

WinBox allows building a stack of filters. For example, if there is a need to filter by destination address and gateway, then

- set the first filter as described in the example above,
- press **[+]** button to add another filter bar in the stack.
- set up a second filter to filter by the gateway
- press the **Filter** button to apply filters.

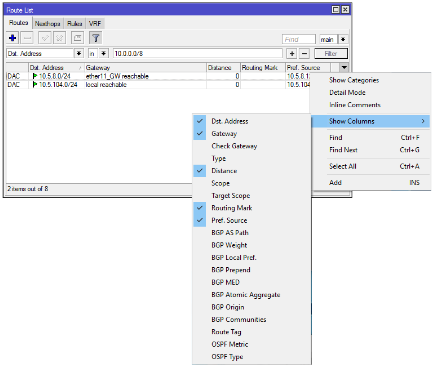
You can also remove unnecessary filters from the stack by pressing the **[-]** button.

Customizing list of displayed columns

By default, WinBox shows the most commonly used parameters. However sometimes it is needed to see other parameters, for example, "BGP AS Path" or other BGP attributes to monitor if routes are selected properly.

WinBox allows to customize displayed columns for each individual window. For example to add BGP AS path column:

- Click on the little arrow button (**1**) on the right side of the column titles or right mouse click on the route list.
- From popped up menu move to **Show Columns** (**2**) and from the sub-menu pick the desired column, in our case click on **BGP AS Path** (**3**)


Route List
Routes
Nexthops
Rules
VRF
Find
main
Filter
Show Categories
Detail Mode
Inline Comments
Show Columns
Find Ctrl+F
Find Next Ctrl+G
Select All Ctrl+A
Add INS
Dst. Address
Gateway
Check Gateway
Type
Distance
Scope
Target Scope
Routing Mark
Pref. Source
BGP AS Path
BGP Weight
BGP Local Pref.
BGP Prepend
BGP MED
BGP Atomic Aggregate
BGP Origin
BGP Communities
Route Tag
OSPF Metric
OSPF Type

Dst. Address in 10.0.0.0/8

	Dst. Address	Gateway	Distance	Routing Mark	Pref. Source
DAC	10.5.8.0/24	ether11_GW reachable	0		10.5.8.1
DAC	10.5.104.0/24	local reachable	0		10.5.104

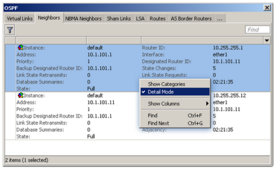
2 items out of 8

Changes made to window layout are saved and next time when WinBox is opened the same column order and size are applied.

Detail mode

It is also possible to enable **Detail mode**. In this mode all parameters are displayed in columns, the first column is the parameter name, the second column is the parameter's value.

To enable detail mode right mouse click on the item list and from the popup menu pick **Detail mode**


OSPF
Virtual Links
Neighbors
NBMA Neighbors
Sham Links
LSA
Routes
AS Border Routers
...
Find
Show Categories
Detail Mode
Show Columns
Find Ctrl+F
Find Next Ctrl+G

Instance: default
Address: 10.1.101.1
Priority: 1
Backup Designated Router ID: 10.1.101.1
Link State Retransmits: 0
Database Summaries: 0
State: Full
Router ID: 10.255.255.1
Interface: ether1
Designated Router ID: 10.1.101.11
State Changes: 5
Link State Requests: 0
02:21:35

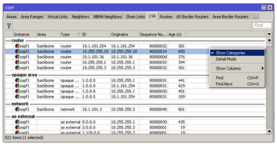
Instance: default
Address: 10.1.101.11
Priority: 1
Backup Designated Router ID: 10.1.101.1
Link State Retransmits: 0
Database Summaries: 0
State: Full
10.255.255.12
ether1
10.1.101.11
5
0
Adjacency: 02:21:35

2 items (1 selected)

Category view

It is possible to list items by categories. In this mode, all items will be grouped alphabetically or by another category. For example, items may be categorized alphabetically if sorted by name, items can also be categorized by type like in the screenshot below.

To enable Category view, right mouse click on the item list and from the popup menu pick **Show Categories**


OSPF
LSA
Show Categories
Detail Mode
Show Columns
Find
Find Next
router
opaque area
network
as external

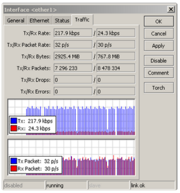
Drag & Drop

It is possible to upload and download files to/from the router using WinBox drag & drop functionality. You can also download the file by pressing the right mouse button on it and selecting "Download".

> Drag & Drop works if WinBox is running on Linux using wine4. Drag and drop between two WinBox windows may fail.

Traffic monitoring

WinBox can be used as a tool to monitor the traffic of every interface, queue, or firewall rule in real-time. The screenshot below shows Ethernet traffic monitoring graphs.

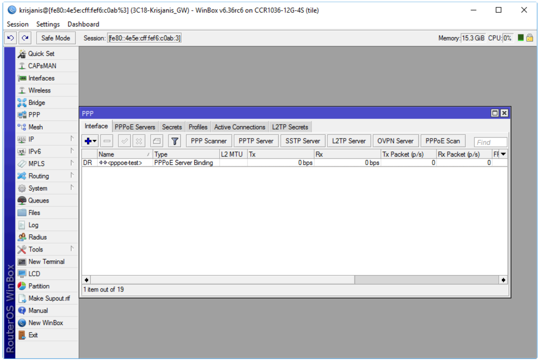

Interface <ether1>
General
Ethernet
Status
Traffic
OK
Cancel
Apply
Disable
Comment
Torch
Tx: 217.9 kbps
Rx: 24.3 kbps
Tx Packet: 32 p/s
Rx Packet: 30 p/s
disabled
running
slave
link ok

Tx/Rx Rate: 217.9 kbps / 24.3 kbps
Tx/Rx Packet Rate: 32 p/s / 30 p/s
Tx/Rx Bytes: 2925.4 MiB / 767.8 MiB
Tx/Rx Packets: 7 296 233 / 8 478 334
Tx/Rx Drops: 0 / 0
Tx/Rx Errors: 0 / 0

Item copy

This shows how easy it is to copy an item in WinBox. In this example, we will use the COPY button to make a Dynamic PPPoE server interface into a Static interface.

This image shows us the initial state, as you see DR indicates "D" which means Dynamic:

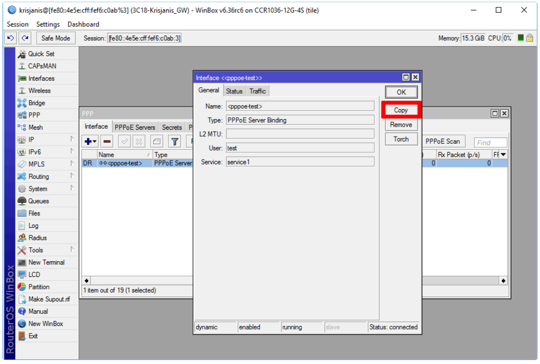

krisjanis@[fe80::4e5e:cff:fef6:c0ab%3] (3C18-Krisjanis_GW) - WinBox v6.36rc6 on CCR1036-12G-4S (tile)
Session
Settings
Dashboard
Safe Mode
Quick Set
CAPsMAN
Interfaces
Wireless
Bridge
PPP
Mesh
IP
IPv6
MPLS
Routing
System
Queues
Files
Log
Radius
Tools
New Terminal
LCD
Partition
Make Supout.rif
Manual
New WinBox
Exit
RouterOS WinBox
PPP
Interface
PPPoE Servers
Secrets
Profiles
Active Connections
L2TP Secrets
PPP Scanner
PPTP Server
SSTP Server
L2TP Server
OVPN Server
PPPoE Scan
Find

Session: [fe80::4e5e:cff:fef6:c0ab:3]
Memory: 15.3 GiB CPU: 0%

	Name	Type	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FF
DR	<pppoe-test>	PPPoE Server Binding		0 bps	0 bps	0	0	

1 item out of 19

Double-Click on the interface and click on COPY:


Session
Settings
Dashboard
Safe Mode
Quick Set
CAPsMAN
Interfaces
Wireless
Bridge
PPP
Mesh
IP
IPv6
MPLS
Routing
System
Queues
Files
Log
Radius
Tools
New Terminal
LCD
Partition
Make Supout.rif
Manual
New WinBox
Exit
RouterOS WinBox
General
Status
Traffic
OK
Copy
Remove
Torch
Interface
PPPoE Servers
Secrets
PPPoE Scan
Find

krisjanis@[fe80::4e5e:cff:fef6:c0ab%3] (3C18-Krisjanis_GW) - WinBox v6.36rc6 on CCR1036-12G-4S (tile)

Session: fe80::4e5e:cff:fef6:c0ab:3 Memory: 15.3 GiB CPU: 0%

Interface <pppoe-test>

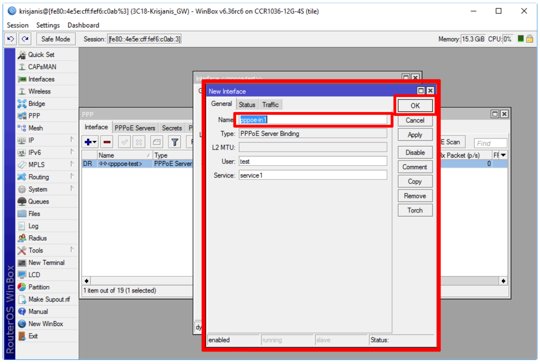
Name: <pppoe-test>
Type: PPPoE Server Binding
L2 MTU:
User: test
Service: service1

dynamic enabled running slave Status: connected

DR <pppoe-test> PPPoE Server

1 item out of 19 (1 selected)

A new interface window will appear, a new name will be created automatically (in this case pppoe-in1)


Session
Settings
Dashboard
Safe Mode
Quick Set
CAPsMAN
Interfaces
Wireless
Bridge
PPP
Mesh
IP
IPv6
MPLS
Routing
System
Queues
Files
Log
Radius
Tools
New Terminal
LCD
Partition
Make Supout.rif
Manual
New WinBox
Exit
RouterOS WinBox
General
Status
Traffic
OK
Cancel
Apply
Disable
Comment
Copy
Remove
Torch

krisjanis@[fe80::4e5e:cff:fef6:c0ab%3] (3C18-Krisjanis_GW) - WinBox v6.36rc6 on CCR1036-12G-4S (tile)

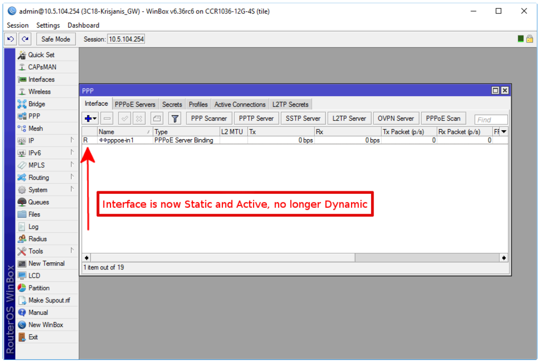
New Interface

Name: pppoe-in1
Type: PPPoE Server Binding
L2 MTU:
User: test
Service: service1

enabled running slave Status:

1 item out of 19 (1 selected)

After this Down/Up event this interface will be Static:


Session
Settings
Dashboard
Safe Mode
Quick Set
CAPsMAN
Interfaces
Wireless
Bridge
PPP
Mesh
IP
IPv6
MPLS
Routing
System
Queues
Files
Log
Radius
Tools
New Terminal
LCD
Partition
Make Supout.rif
Manual
New WinBox
Exit
RouterOS WinBox
PPP
Interface
PPPoE Servers
Secrets
Profiles
Active Connections
L2TP Secrets
PPP Scanner
PPTP Server
SSTP Server
L2TP Server
OVPN Server
PPPoE Scan
Find

admin@10.5.104.254 (3C18-Krisjanis_GW) - WinBox v6.36rc6 on CCR1036-12G-4S (tile)

Session: 10.5.104.254

	Name	Type	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)
R	pppoe-in1	PPPoE Server Binding		0 bps	0 bps	0	0

Interface is now Static and Active, no longer Dynamic

1 item out of 19

Transferring Settings

- Managed router transfer - In the File menu, use Save As and Open functions to save the managed router list to file and open it up again on a new workstation.
- Router sessions transfer - In the Tools menu, use Export and Import functions to save existing sessions to file and import them again on a new workstation.

WinBox Keyboard Shortcuts

Shortcut	Description
Ctrl + F	Find
Ctrl + G	Find Next
F3	Find / Find next
Ctrl + M	Add or edit a comment
Ctrl + E or **Num+**	Enables a selected setting
Ctrl + D or **Num-**	Disables a selected setting
Ctrl + +	Zoom in WinBox
Ctrl + -	Zoom out WinBox
Tab	Choose next control
Tab + Shift	Choose previous control
Space	Select focused control
F4 or **Esc**	Close window
F6	Focus previous window
F6 + Shift	Focus next window
Insert	Add new entry into list
Delete	Delete entry from list

Troubleshooting

WinBox cannot connect to the router's IP address, devices do not show up in the Neighbors list

Make sure that the Windows firewall is set to allow WinBox connections through Private and/or Public network interfaces in the Windows firewall, it can be changed in *Control Panel\System and Security\Windows Defender Firewall\Allowed applications* or disable the Windows firewall.

I get an error '(port 20561) timed out' when connecting to routers mac address

Windows (7/8) does not allow mac connection if file and print sharing is disabled.

I can't find my device in WinBox IPv4 Neighbors list or MAC connection fails with "ERROR could not connect to XX-XX-XX-XX-XX-XX"

Most of the network drivers will not enable IP stack unless your host device has an IP configuration. Set IPv4 configuration on your host device.

Sometimes the device will be discovered due to caching, but MAC connection will still fail with "ERROR: could not connect to XX:XX:XX:XX:XX:XX

⚠ WinBox MAC-ADDRESS connection requires MTU value set to 1500, unfragmented. Other values can perform poorly - loss of connectivity can occur.

No labels