

1x Bridge

The screenshot shows a window titled 'Bridge' with a menu bar (Bridge, Ports, Port Extensions, VLANs, MSTIs, Port MST Overrides, Filters, NAT, Hosts, MDB) and a toolbar with icons for adding, deleting, and settings. Below is a table with columns: Name, Type, L2 MTU, MAC Address, Protocol, Tx, Rx, Tx Packet (p/s), Rx Packet (p/s), FP Tx, FP Rx, FP Tx Packet (p/s), and FP Rx Packet (p/s). One row is visible for 'br_switch_Jan_vlan10'.

Name	Type	L2 MTU	MAC Address	Protocol	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)	FP Rx Packet (p/s)
br_switch_Jan_vlan10	Bridge	1592	68:69:F4:93:94:94	none	336 bps	22.8 kbps	1	49	0 bps	480 bps	0	0

The screenshot shows the 'Interface <br_switch_Jan_vlan10>' configuration window with tabs for General, STP, VLAN, Status, and Traffic. The STP tab is active, showing the following settings:

- Protocol Mode: none STP RSTP MSTP
- Priority: 8000 hex
- Region Name: [empty]
- Region Revision: 0
- Max Message Age: 00:00:20
- Forward Delay: 00:00:15
- Transmit Hold Count: 6
- Max Hops: 20

On the right side, there are buttons: OK, Cancel, Apply, Disable, Comment, Copy, Remove, Torch, and Reset Traffic Counters. At the bottom, there are status indicators: enabled, running, slave, and passthrough.

Firewall Konfig:

DMZ - VPN_INTERN												
36	accept	forward		VLAN_253_DMZ	IP_VPN-INTERN	1 (icmp)					0 B	0
37	accept	forward		VLAN_253_DMZ	IP_VPN-INTERN	6 (tcp)					0 B	0
38	accept	forward		VLAN_253_DMZ	IP_VPN-INTERN	17 (udp)					0 B	0
VPN_INTERN - LAN												
39	accept	forward		IP_VPN-INTERN	VLAN_10_LAN	1 (icmp)					0 B	0
40	accept	forward		IP_VPN-INTERN	VLAN_10_LAN	6 (tcp)					0 B	0
41	accept	forward		IP_VPN-INTERN	VLAN_10_LAN	17 (udp)					0 B	0
VPN_INTERN - DMZ												
42	accept	forward		IP_VPN-INTERN	VLAN_253_DMZ	1 (icmp)					0 B	0
43	accept	forward		IP_VPN-INTERN	VLAN_253_DMZ	6 (tcp)					0 B	0
44	accept	forward		IP_VPN-INTERN	VLAN_253_DMZ	17 (udp)					0 B	0
VPN_INTERN - WAN												
45	accept	forward		IP_VPN-INTERN		1 (icmp)				ether1-wan	0 B	0
46	accept	forward		IP_VPN-INTERN		6 (tcp)				ether1-wan	0 B	0
47	accept	forward		IP_VPN-INTERN		17 (udp)				ether1-wan	0 B	0
Gast-WAN												
48	accept	forward		VLAN_130_Gast		1 (icmp)				ether1-wan	877 B	12
49	accept	forward		VLAN_130_Gast		6 (tcp)	25.90.110.143,443,485,587,993,995			ether1-wan	106.6 KB	773
50	accept	forward		VLAN_130_Gast		17 (udp)	53,123			ether1-wan	1753 B	23
Winbox und DNS_Port_Allow												
51	accept	input		VLAN_10_LAN		6 (tcp)	8291,53,80,443				35.2 KB	299
52	accept	input		VLAN_10_LAN		17 (udp)	53				8.5 KB	131
53	accept	input		IP_VPN-INTERN		6 (tcp)	8291,53,80,443				0 B	0
54	accept	input		IP_VPN-INTERN		17 (udp)	53				0 B	0
55	accept	input		VLAN_253_DMZ		6 (tcp)	8291,53,80,443				0 B	0
56	accept	input		VLAN_253_DMZ		17 (udp)	53				0 B	0
57	accept	input		VLAN_130_Gast		17 (udp)	53				6.3 KB	82
58	accept	input		VLAN_130_Gast		6 (tcp)	53				0 B	0
PING alle GW												
59	accept	input		VLAN_10_LAN		1 (icmp)					2537 B	14
60	accept	input		IP_VPN-INTERN		1 (icmp)					0 B	0
61	accept	input		VLAN_253_DMZ		1 (icmp)					0 B	0
drop input												
62	drop	input		VLAN_10_LAN							2605 B	26
63	drop	input		IP_VPN-INTERN							0 B	0
64	drop	input		VLAN_253_DMZ							5.3 KB	46
65	drop	input		VLAN_130_Gast							2735 B	33
drop forward												
66	drop	forward		VLAN_10_LAN							2112 B	26
67	drop	forward		VLAN_253_DMZ							0 B	0
68	drop	forward		VLAN_130_Gast							0 B	0
69	drop	forward		IP_VPN-INTERN							0 B	0
70	drop	forward								ether1-wan	18.8 KB	132

Firewall

Filter Rules NAT Mangle Raw Service Ports Connections Address Lists Layer7 Protocols

Reset Counters Reset All Counters

#	Action	Chain	Src. Address	Dst. Address	Src. Ad...	Dst. Ad...	Proto...	Src. Port	Dst. Port	In. Inter...	Out. Interface	In. Inter...	Out. Int...	Bytes	Packets
0	masquerade all										ether1-wan			36.3 KiB	559
1	X src-nat	srcnat									unknown			0 B	0
2	X src-nat	srcnat									unknown			0 B	0
3	X src-nat	srcnat												0 B	0
4	X src-nat	srcnat												0 B	0
5	X dst-nat	dstnat												0 B	0
6	X dst-nat	dstnat												0 B	0
7	X dst-nat	dstnat												0 B	0
8	X dst-nat	dstnat												0 B	0
9	X dst-nat	dstnat												0 B	0
10	X dst-nat	dstnat												0 B	0
11	X dst-nat	dstnat												0 B	0
12	X dst-nat	dstnat												0 B	0
13	X dst-nat	dstnat												0 B	0

NAT Rule <>

General Advanced Extra Action Statistics

Chain: srcnat

Src. Address:

Dst. Address:

Src. Address List:

Dst. Address List:

Protocol:

Src. Port:

Dst. Port:

Any. Port:

In. Interface:

Out. Interface:

In. Interface List:

Out. Interface List:

Packet Mark:

Connection Mark:

Routing Mark:

Connection Type:

enabled

OK Cancel Apply Disable Comment Copy Remove Reset Counters Reset All Counters

DHCP Server

DHCP Networks Leases Options Option Sets Option Matcher Alerts

Find

Name	Interface	Relay	Lease Time	Address Pool	Add AR...
dhcp_gast	vlan130		3d 00:00:00	dhcp_gast	no
dhcp_lan	br_switch_lan_vla...		3d 00:00:00	pool_lan	no

2 items (1 selected)

Interface <br_switch_lan_vlan10>

General STP VLAN Status Traffic

VLAN Filtering

EtherType: 0x8100

PVID: 1

Frame Types: admit all

Ingress Filtering

OK
Cancel
Apply
Disable
Comment
Copy
Remove
Torch
Reset Traffic Counters

enabled running slave passthrough

Alle Ports in diese Bridge. !!!!! Außer ETH1 WAN !!!!!!!

#	Interface	Bridge	Horizon	Trusted	Priority (h...)	Path Cost	PVID	Role	Root Pat...
0	IH ether2	br_switch_lan_vlan10		yes	80	10	1	disabled port	
1	H ether3	br_switch_lan_vlan10		yes	80	10	1	designated port	
2	H ether4-AP-Unify	br_switch_lan_vlan10		yes	80	10	1	designated port	
3	H ether5	br_switch_lan_vlan10		yes	80	10	1	designated port	
4	IH ether6-TV-WZ	br_switch_lan_vlan10		yes	80	10	130	disabled port	
5	I ether7-TV-SZ	br_switch_lan_vlan10		yes	80	10	130	disabled port	
6	IH ether8	br_switch_lan_vlan10		yes	80	10	1	disabled port	
7	IH ether9	br_switch_lan_vlan10		yes	80	10	1	disabled port	
8	H ether10-NAS	br_switch_lan_vlan10		yes	80	10	253	designated port	

Interface VLANs

Name	Type	MTU	Actual MTU	L2 MTU	VLAN ID	Interface	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)	FP Rx Packet (p/s)
vlan10	VLAN	1500	1500	1588	10	br_switch_lan_vlan10	0 bps	0 bps	0	0	0 bps	0 bps	0	0
vlan130	VLAN	1500	1500	1588	130	br_switch_lan_vlan10	0 bps	0 bps	0	0	0 bps	0 bps	0	0
vlan253	VLAN	1500	1500	1588	253	br_switch_lan_vlan10	0 bps	0 bps	0	0	0 bps	0 bps	0	0

VLANs erstellen und in das Interface der BRIDGE (die eine Bridge geben)

Unter Bridge VLANs alle anlegen

Bridge	VLAN IDs	Current Tagged	Current Untagged
br_switch_lan_vla...	253	br_switch_lan_vlan10	ether10-NAS
br_switch_lan_vla...	10	br_switch_lan_vlan10	
br_switch_lan_vla...	130	br_switch_lan_vlan10, ether4-AP-Unify	
D br_switch_lan_vla...	1		br_switch_lan_vlan10, ether3, ether4-A...

Wichtig: Bridge ist immer die eine!

Tagged VLAN muss die Bridge ausgewählt sein und wo hin das Surfen erlaubt ist!

Angaben bei den Bridge Ports

The screenshot shows the Mikrotik WinBox Bridge configuration interface. The main window displays a table of bridge ports with columns for #, Interface, Bridge, Horizon, Trusted, Priority, Path Cost, PVID, Role, and Root Pat... The table lists 9 items, with 1 selected (ether10-NAS). A dialog box titled 'Bridge Port <ether10-NAS>' is open, showing configuration for PVID (253) and Frame Types (admit only untagged and priority tagged). The dialog also has tabs for General, STP, VLAN, and Status, and buttons for OK, Cancel, Apply, Disable, Comment, Copy, and Remove.

#	Interface	Bridge	Horizon	Trusted	Priority (h...)	Path Cost	PVID	Role	Root Pat...
0	IH ether2	br_switch_jan_vlan10		yes	80	10	1	disabled port	
1	H ether3	br_switch_jan_vlan10		yes	80	10			
2	H ether4-AP-Unify	br_switch_jan_vlan10		yes	80	10			
3	H ether5	br_switch_jan_vlan10		yes	80	10			
4	IH ether6-TV-WZ	br_switch_jan_vlan10		yes	80	10	13		
5	I ether7-TV-SZ	br_switch_jan_vlan10		yes	80	10	13		
6	IH ether8	br_switch_jan_vlan10		yes	80	10			
7	IH ether9	br_switch_jan_vlan10		yes	80	10			
8	H ether10-NAS	br_switch_jan_vlan10		yes	80	10	25		

Unter Adresses alle Netze anlegen und die richtigen VLANS schieben.

Das Hauptnetz: in diesem Fall VLAN 10 kommt direkt auf die Bridge!

The screenshot shows the Mikrotik WinBox Address List configuration interface. The window displays a table of address lists with columns for Address, Network, and Interface. The table lists 7 items, including WAN01, WAN02, LAN, Gast, WG, DMZ01, and VPN. The status '7 items' is shown at the bottom.

Address	Network	Interface
WAN01		
81.21.115.40/24	81.21.115.0	ether1-wan
WAN02		
81.21.115.41/24	81.21.115.0	ether1-wan
LAN		
192.168.10.1/24	192.168.10.0	br_switch_jan_vlan10
Gast		
192.168.130.1/24	192.168.130.0	vlan130
WG		
192.168.243.1/24	192.168.243.0	WG-VPN
DMZ01		
192.168.253.1/24	192.168.253.0	vlan253
VPN		
192.168.254.1/28	192.168.254.0	ether1-wan

Fertig