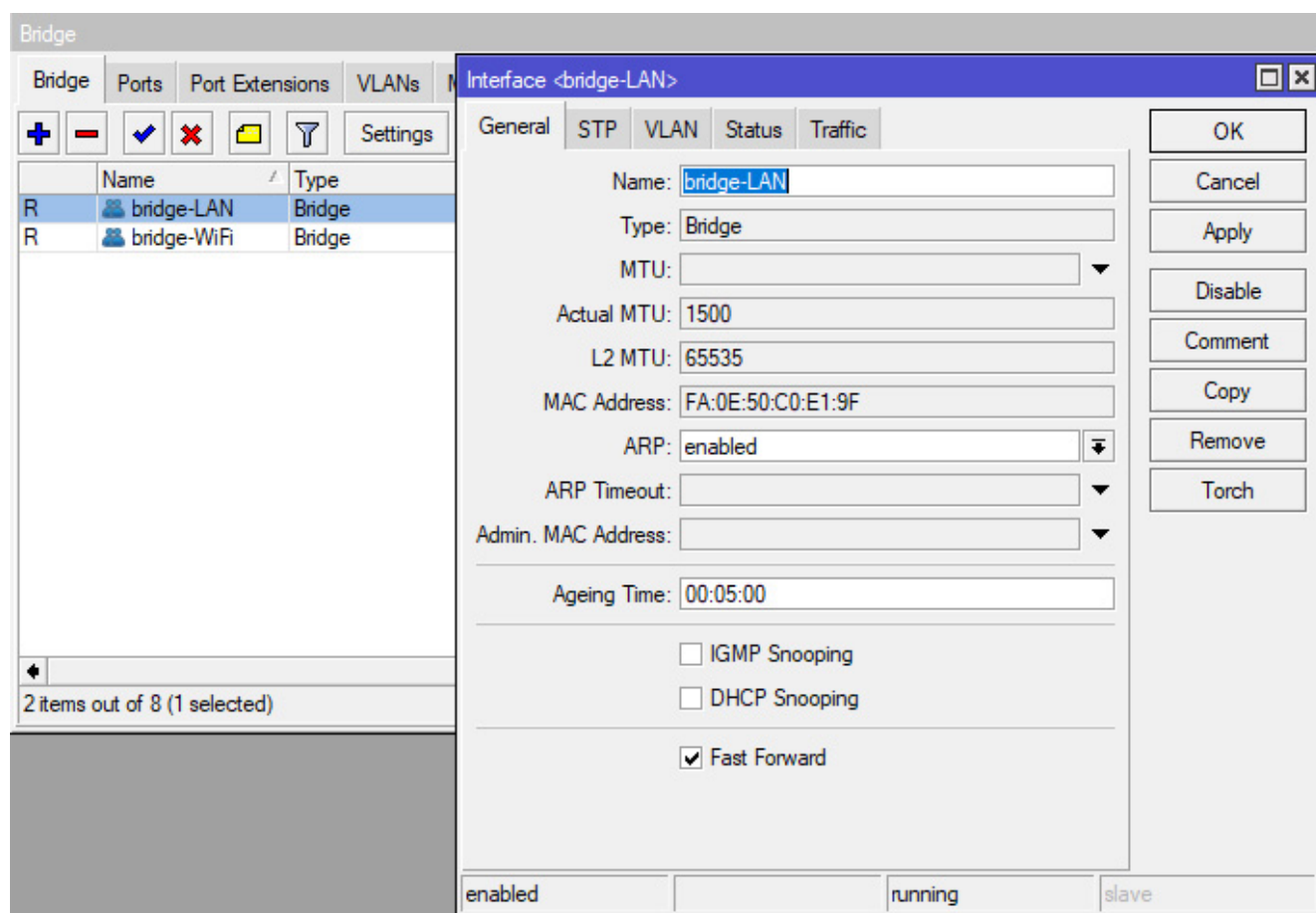


VLAN ACCESS/UNTAGGED порты

Алгоритм

1. Создаем бридж
2. Создаем интерфейсы vlan и включаем в бридж
3. Добавляем порты в наш бридж
4. Назначаем IP для наших vlan
5. Поднимаем DHCP сервера для этих подсетей
6. Добавляем vlan в бридж
7. Включаем Vlan Filtering на бридже

1. Создаем bridge-LAN



2. Создаем vlan интерфейсы – vlan36 и vlan50

Interface List

Interface	Interface List	Ethernet	EoIP Tunnel	IP Tunnel	GRE Tunnel	VLAN	VRRP	Bonding	LTE
+	-	✓	✗	📄	🔍				
Name	Type	MTU	Actual MTU	L2 MTU	Tx	Rx			

New Interface

General | Loop Protect | Status | Traffic

Name: vlan36

Type: VLAN

MTU: 1500

Actual MTU:

L2 MTU:

MAC Address:

ARP: enabled

ARP Timeout:

VLAN ID: 36

Interface: bridge-LAN

☐ Use Service Tag

OK
Cancel
Apply
Disable
Comment
Copy
Remove
Torch

	Tx Packet (p/s)	Rx Packet (p/s)
0 bps	0	0
21.8 kbps	16	16

Interface List

Interface	Interface List	Ethernet	EoIP Tunnel	IP Tunnel	GRE Tunnel	VLAN	VRRP	Bonding	LTE
+	-	✓	✗	📄	🔍				
Name	Type	MTU	Actual MTU	L2 MTU	Tx	Rx			

New Interface

General | Loop Protect | Status | Traffic

Name: vlan50

Type: VLAN

MTU: 1500

Actual MTU:

L2 MTU:

MAC Address:

ARP: enabled

ARP Timeout:

VLAN ID: 50

Interface: bridge-LAN

☐ Use Service Tag

OK
Cancel
Apply
Disable
Comment
Copy
Remove
Torch

	Tx Packet (p/s)	Rx Packet (p/s)
0 bps	0	0
0 bps	0	0

3. Добавляем порты ether2 и ether3 в bridge-LAN и назначаем им

соответственный PVID

Bridge

Bridge Ports

Ports

+

-

✓

✕

#	Interface
0	wlan

1 item

New Bridge Port

General STP VLAN Status

Interface: ether2

Bridge: bridge-LAN

Horizon:

Learn: auto

☒ Unknown Unicast Flood

☒ Unknown Multicast Flood

☒ Broadcast Flood

☐ Trusted

☒ Hardware Offload

Multicast Router: Temporary Query

☐ Fast Leave

OK

Cancel

Apply

Disable

Comment

Copy

Remove

Bridge

Bridge Ports

Ports

+

-

✓

✕

#	Interface
0	wlan

1 item

New Bridge Port

General STP VLAN Status

PVID: 36

Frame Types: admit all

☐ Ingress Filtering

☐ Tag Stacking

OK

Cancel

Apply

Disable

Comment

Copy

Remove

Bridge

BridgePortsPort ExtensionsVLANsMSTIsPort MST OverridesFiltersNATHostsMDB

#		Interface	Bridge	Horizon	Trusted	Priority (h...	Path Cost	Role	Root Pat...	
0		 wlan1	bridge-WiFi		no	80	10	designated port		
1	H	 ether2	bridge-LAN		no	80	10	designated port		
2	H	 ether3	bridge-LAN		no	80	10	designated port		

3 items

4. Назначаем IP адреса этим vlan интерфейсам

Address List				E Tunnel	VLAN	VRRP	Bonding	LTE
+ - ✓ ✗ ⋮ ⌵				Find				
	Address	Network	Interface					
	10.10.36.1/24	10.10.36.0	vlan36					
	10.10.113.1/24	10.10.113.0	bridge-WiFi					
D	192.168.113.55/24	192.168.113.0	ether1					
3 items								
2 H	ether3	bridge-LAN		no	80	10	designated port	

Address <10.10.36.1/24>

Address: 10.10.36.1/24

Network: 10.10.36.0

Interface: vlan36

OK

Cancel

Apply

Disable

Comment

Copy

Remove

enabled

	Address	Network	Interface
	10.10.36.1/24	10.10.36.0	vlan36
	10.10.50.1/24	10.10.50.0	vlan50
	10.10.113.1/24	10.10.113.0	bridge-WiFi
D	192.168.113.55/24	192.168.113.0	ether1

4 items

ides	Filters	NAT	Hosts	MDB
d	Priority (h...	Path Cost	Role	Root Pat...
	80	10	designated port	
	80	10	designated port	
	80	10	designated port	

5. Поднимаем DHCP сервера на этих интерфейсах (vlan36, vlan50)

DHCP Server

DHCP Networks Leases Options Option Sets

Name	Interface	Relay
dhcp-vlan36	vlan36	
dhcp-wifi	bridge-WiFi	

2 items (1 selected)

DHCP Server <dhcp-vlan36>

Generic Queues Script

Name: dhcp-vlan36

Interface: vlan36

Relay:

Lease Time: 00:10:00

Bootp Lease Time: forever

Address Pool: dhcp_pool11

DHCP Option Set:

Src. Address:

Delay Threshold:

Authoritative: yes

Bootp Support: static

Client MAC Limit:

Use RADIUS: no

☐ Always Broadcast
☐ Add ARP For Leases
☒ Use Framed As Classless
☒ Conflict Detection

OK Cancel Apply Disable Copy Remove

Address List

+

-

✓

✗

📄

🔍

Find

Address	Network	Interface
10.10.36.1/24	10.10.36.0	vlan36
10.10.50.1/24	10.10.50.0	vlan50
10.10.113.1/24	10.10.113.0	vlan113
192.168.113.55/24	192.168.113.0	vlan113

4 items

DHCP Server

DHCP

Networks

Leases

Options

Option Sets

Vendor Classes

Alerts

+

-

✓

✗

🔍

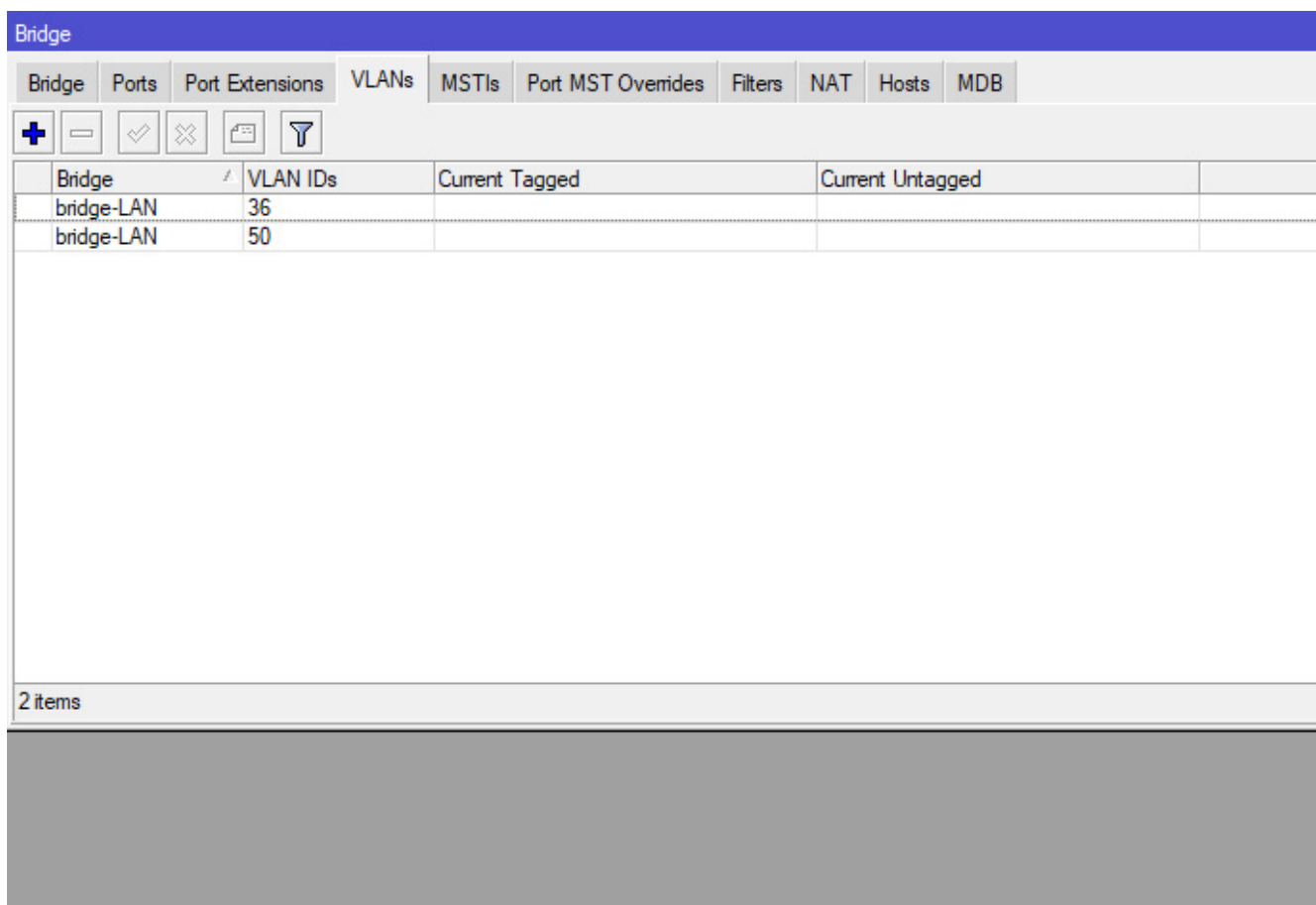
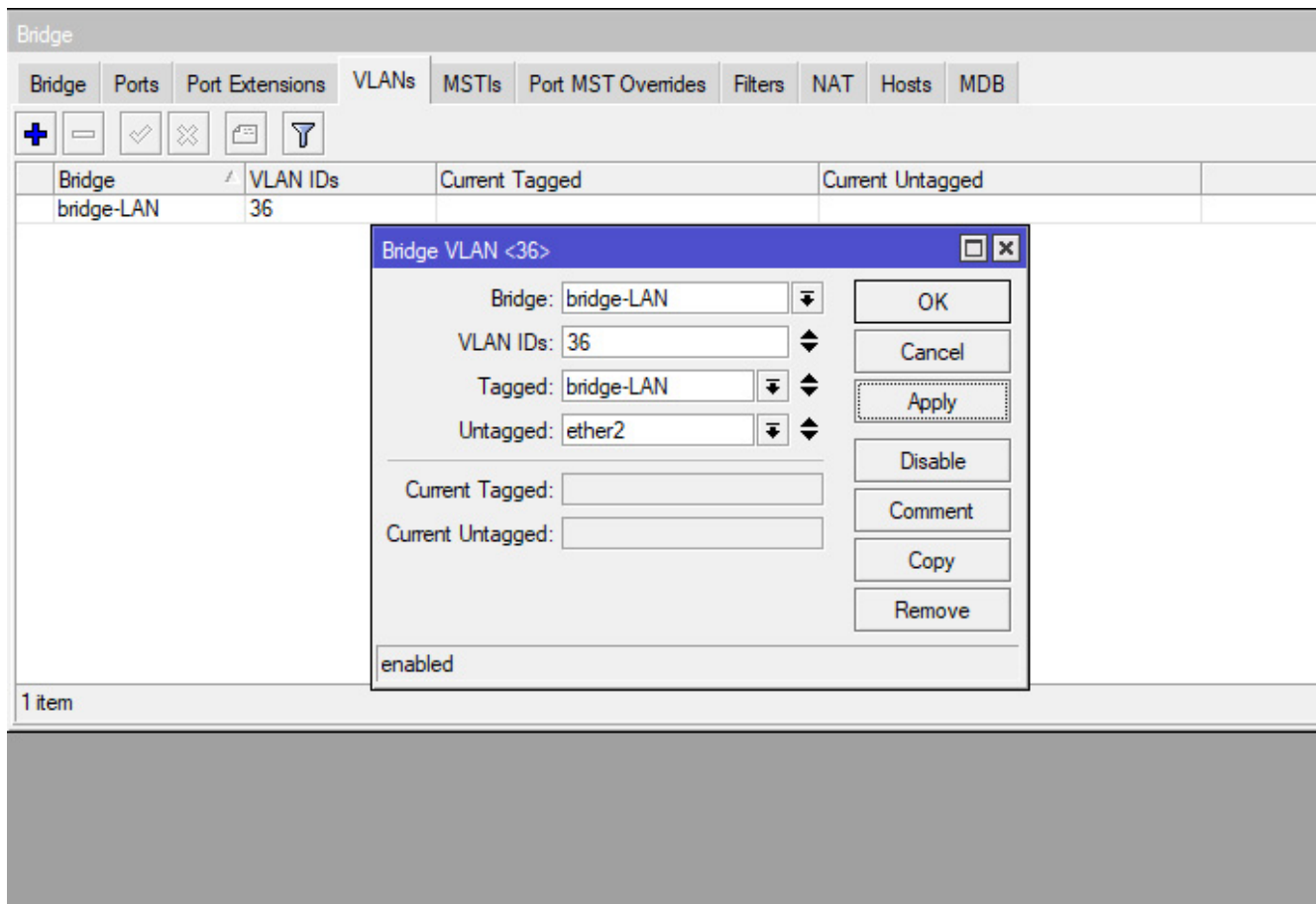
DHCP Config

DHCP Setup

Name	Interface	Relay	Lease Time	Address Pool
dhcp-vlan36	vlan36		00:10:00	dhcp_pool11
dhcp-vlan50	vlan50		00:10:00	dhcp_pool12
dhcp-wifi	bridge-WiFi		00:10:00	dhcp_pool0

3 items (1 selected)

6. Добавляем vlan-ы в bridge-LAN, обязательно делаем Tagged наш bridge-LAN и Untagged порт к которому будет подключен клиент ether2 и потом ether3



7. Включаем на bridge-LAN Vlan Filtering

Bridge

Bridge

Ports

Port Extensions

VLANs

+

−

✓

✗

📁

🔍

Settings

	Name	Type
R	bridge-LAN	Bridge
R	bridge-WiFi	Bridge

2 items out of 10 (1 selected)

Interface <bridge-LAN>

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

enabled

running

slave