

Modul Setting Mikrotik dan Implementasi Load Balancing Menggunakan 2 ISP (Internet Service Provider)

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Modul Setting Mikrotik dan Implementasi Load Balancing Menggunakan 2 ISP (Internet Service Provider)

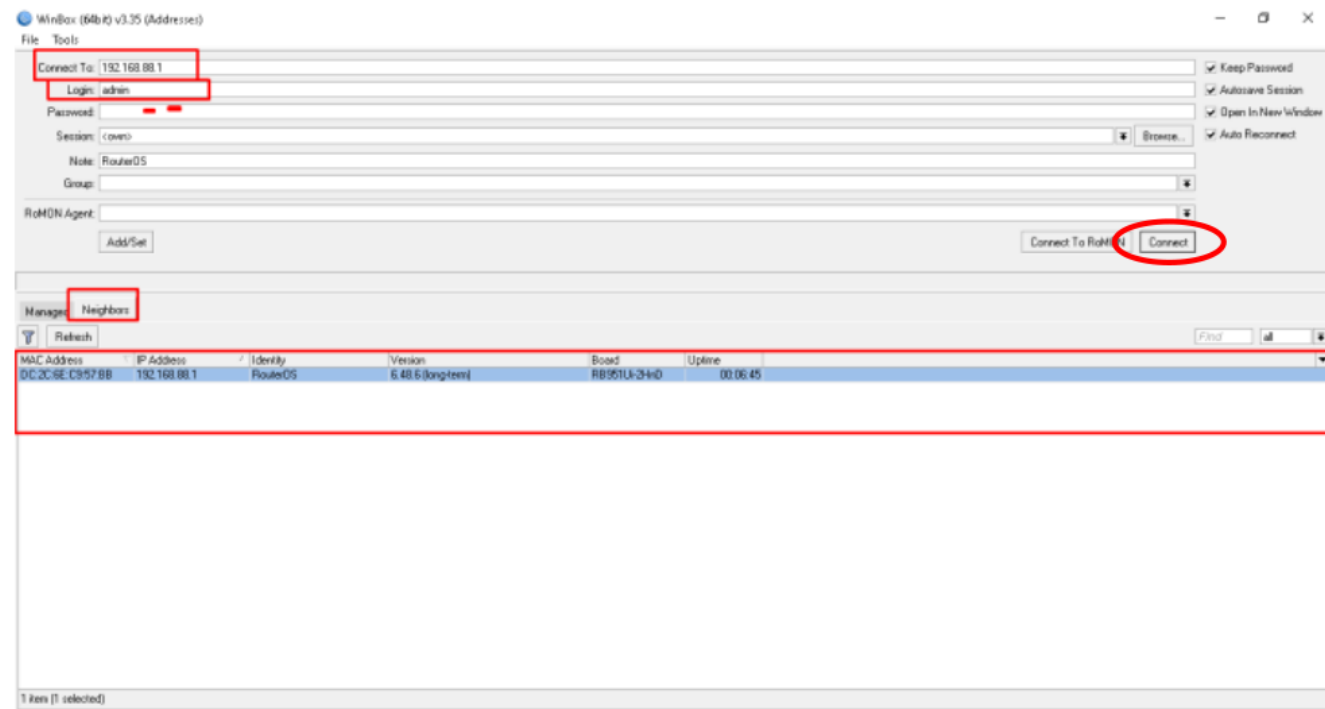
Setting Mikrotik

Reset Mikrotik

User Name : admin

Password :.....(kosong)

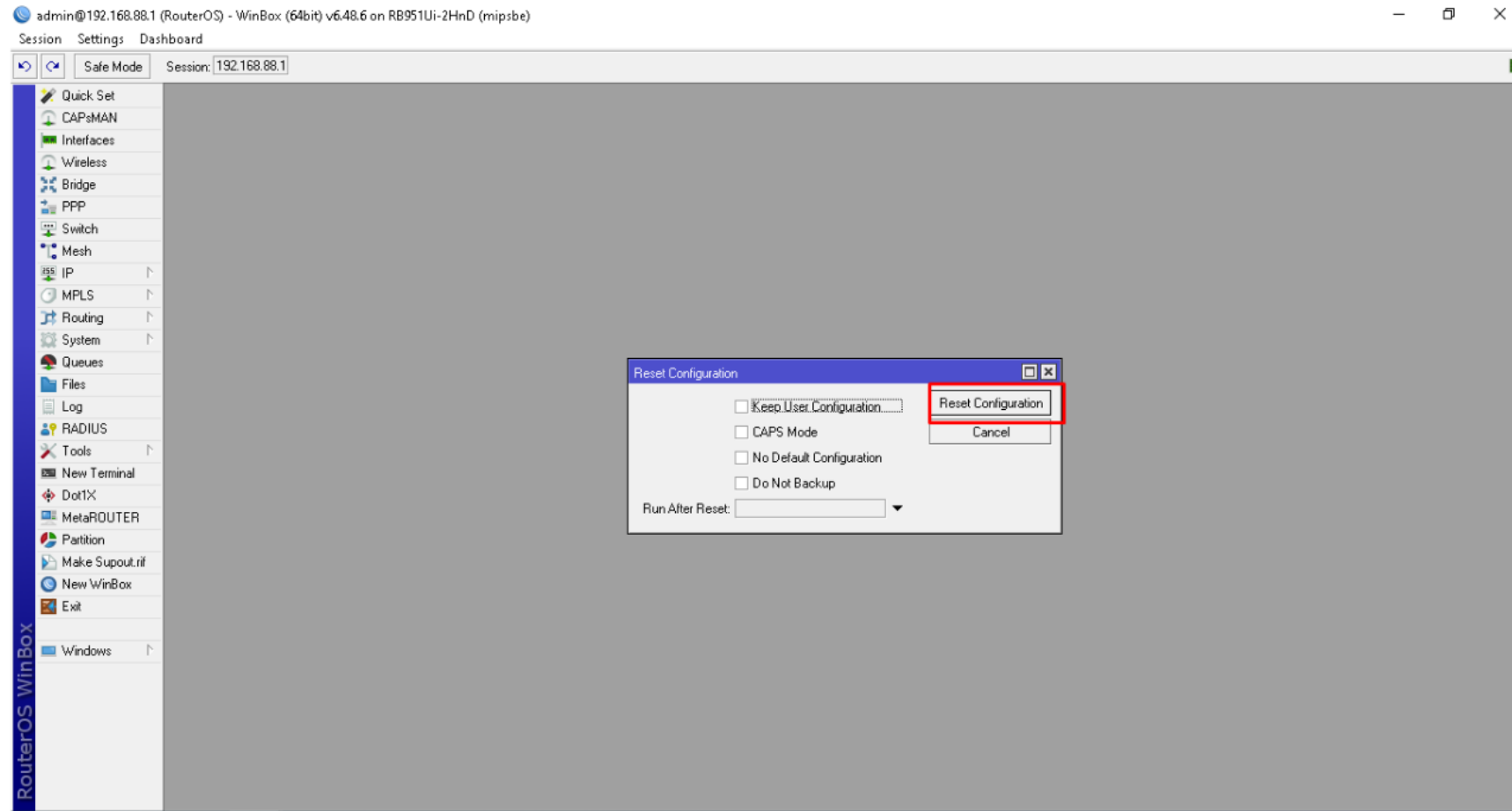
Pilih Connect



Pilih **SYSTEM** kemudian **RESET CONFIGURATION**



RESET CONFIGURATION



Beri Nama Interface

Ether1 (Input Internet)
Ether 2 (Output Internet 1)

The screenshot shows the Mikrotik WinBox interface for configuring a router. The 'Interface List' table is visible, with 'ether1' selected. A configuration dialog for 'Interface <ether1>' is open, showing the name 'ether1 (Input Internet)' and other settings. The 'OK' button is highlighted.

Interface	Type	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)	FP Rx Packet (p/s)
ether1	Ethernet	1500	1598		19.8 kbps	0	22	0 bps	18.4 kbps	0	12
ether2	Ethernet	1500	1598					0 bps	0 bps	0	0
ether3	Ethernet	1500	1598					0 bps	0 bps	0	0
ether4	Ethernet	1500	1598					0 bps	0 bps	0	0
ether5	Ethernet	1500	1598					0 bps	0 bps	0	0
wlan1	Wireless (Atheros ARS...	1500	1600					0 bps	0 bps	0	0

Hasil penggantian Nama Ether 1 dan Ether 2

admin@DC:2C:6E:C9:57:BB (RouterOS) - WinBox (64bit) v6.48.6 on RB951Ui-2HnD (mipsbe)

Session Settings Dashboard

Safe Mode Session: DC:2C:6E:C9:57:BB

Interface List

Name	Type	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Pa
R ether1 (Input Internet)	Ethernet	1500	1598	0 bps	14.3 kbps	0	16	0 bps	13.8 kbps	
R ether2 (Output Internet 1)	Ethernet	1500	1598	76.8 kbps	6.7 kbps	11	76.4 kbps	6.4 kbps		
ether3	Ethernet	1500	1598	0 bps	0 bps	0	0	0 bps	0 bps	
ether4	Ethernet	1500	1598	0 bps	0 bps	0	0	0 bps	0 bps	
ether5	Ethernet	1500	1598	0 bps	0 bps	0	0	0 bps	0 bps	
ether6	Wireless (Always AP)	1500	1500	0 bps	0 bps	0	0	0 bps	0 bps	

6 items (1 selected)

Supaya mikrotik dapat ip otomatis dari perangkat lainnya atau asal sumber internet(modem).

The screenshot displays the Mikrotik WinBox interface for configuring DHCP clients. The main window is titled "DHCP Client" and shows a list of existing clients (currently empty). A "New DHCP Client" dialog box is open, showing the configuration for a new client. The "Interface" is set to "ether1 (Input Internet)". The "Advanced" tab is selected, and the "Use Peer DNS" and "Use Peer NTP" options are checked. The "Add Default Route" is set to "yes". The "Status" is currently "stopped". The "OK" button is highlighted with a red box. In the background, the "IP" menu is open, and the "DHCP Client" option is highlighted with a red box. The "Status" field in the "New DHCP Client" dialog is also highlighted with a red box.

Berhasil dapat ip otomatis dari perangkat lainnya atau asal sumber internet (modem).



admin@DC:2C:6E:C9:57:BB (RouterOS) - WinBox (64bit) v6.48.6 on RB951Ui-2HnD (mipsbe)

Session Settings Dashboard

Safe Mode Session: DC:2C:6E:C9:57:BB

Quick Set DHCP Client

DHCP Client DHCP Client Options

+ - [Filter] [Release] [Renew] Find

Interface	Use P...	Add D...	IP Address	Expires After	Status	
ether1 (Input Internet)	yes	yes	192.168.7.28/24	00:09:51	bound	

RouterOS WinBox

1 item

Setting Firewall - Nat - Masquerade supaya ip lokal mendapatkan akses internet.

The screenshot shows the Mikrotik WinBox interface. The left sidebar contains a menu with 'Firewall' highlighted in red. The main window displays the 'Firewall' configuration page, with the 'NAT' tab selected. A red box highlights the '+' button in the top-left corner of the NAT configuration area, indicating the option to add a new NAT rule. Below the tabs, there are buttons for 'Reset Counters' and 'Reset All Counters'. A table with columns for '#', 'Action', 'Chain', 'Src. Address', 'Dst. Address', 'Proto...', 'Src. Port', 'Dst. Port', 'In. Inter...', 'Out. Inter...', 'In. Inter...', 'Out. Inter...', 'Src. Ad...', 'Dst. Ad...', 'Bytes', and 'Packets' is visible, currently showing 0 items.

Masquerade

The screenshot shows the Mikrotik WinBox interface. The main window is titled "Firewall" and has tabs for "Filter Rules", "NAT", "Mangle", "Raw", "Service Ports", "Connections", "Address Lists", and "Layer7 Protocols". The "NAT" tab is active, and a table with columns for "#", "Action", "Chain", "Src. Address", "Dst. Address", "Proto...", "Src. Port", "Dst. Port", "In. Inter...", "Out. Int...", "In. Inter...", and "Out. Int..." is visible. Below the table, it says "0 items".

A "New NAT Rule" dialog box is open, showing the "Action" tab. The "Action" dropdown menu is set to "masquerade". The "Log" checkbox is unchecked. The "Log Prefix" and "To Ports" fields are empty. The "OK" button is highlighted with a red box. Other buttons like "Cancel", "Apply", "Disable", "Comment", "Copy", "Remove", "Reset Counters", and "Reset All Counters" are also visible.

The left sidebar contains various system tools and settings, including "Quick Set", "CAPsMAN", "Interfaces", "Wireless", "Bridge", "PPP", "Switch", "Mesh", "IP", "MPLS", "Routing", "System", "Queues", "Files", "Log", "RADIUS", "Tools", "New Terminal", "Dot1X", "MetaROUTER", "Partition", "Make Supout.tif", "New WinBox", "Exit", and "Windows".

The top status bar shows "admin@DC:2C:6E:C9:57:BB (RouterOS) - WinBox (64bit) v6.48.6 on RB951Ui-2HnD (mipsbe)".

Beri Ip Address otomatis ether 2(Ouput Internet1)/ DHCP Server, dari sisi pengguna dapat ip address otomatis.

The screenshot displays the Mikrotik WinBox interface for RouterOS. The left sidebar shows the navigation menu with 'IP' and 'Addresses' highlighted in red. The main window shows the 'Address List' table with one entry: 'D 192.168.7.28/... 192.168.7.0 ether1 (Input Int...'. A 'New Address' dialog box is open, with 'Address: 192.168.100.1/24' and 'Interface: ether2(Output Internet 1)' highlighted in red. The 'OK' button is also highlighted in red.

admin@DC:2C:6E:C9:57:BB (RouterOS) - WinBox (64bit) v6.48.6 on RB951Ui-2HnD (mipsbe)

Session Settings Dashboard

Safe Mode Session: DC:2C:6E:C9:57:BB

Quick Set
CAPsMAN
Interfaces
Wireless
Bridge
PPP
Switch
Mesh
IP
MPLS
Routing
System
Queues
Files
Log
RADIUS
Tools
New Terminal
Dot1X
MetaROUTER
Partition
Make Supout.nif
New WinBox
Exit
Windows

ARP
Accounting
Addresses
Cloud
DHCP Client
DHCP Relay
DHCP Server
DNS
Firewall
Hotspot
IPsec
Kid Control
Neighbors
Packing
Pool
Routes
SMB
SNMP
Services
Settings
Socks
TFTP
Traffic Flow
UPnP
Web Proxy

Address	Network	Interface
D 192.168.7.28/...	192.168.7.0	ether1 (Input Int...

1 item

New Address

Address: 192.168.100.1/24
Network: [dropdown]
Interface: ether2(Output Internet 1)

enabled

OK
Cancel
Apply
Disable
Comment
Copy
Remove

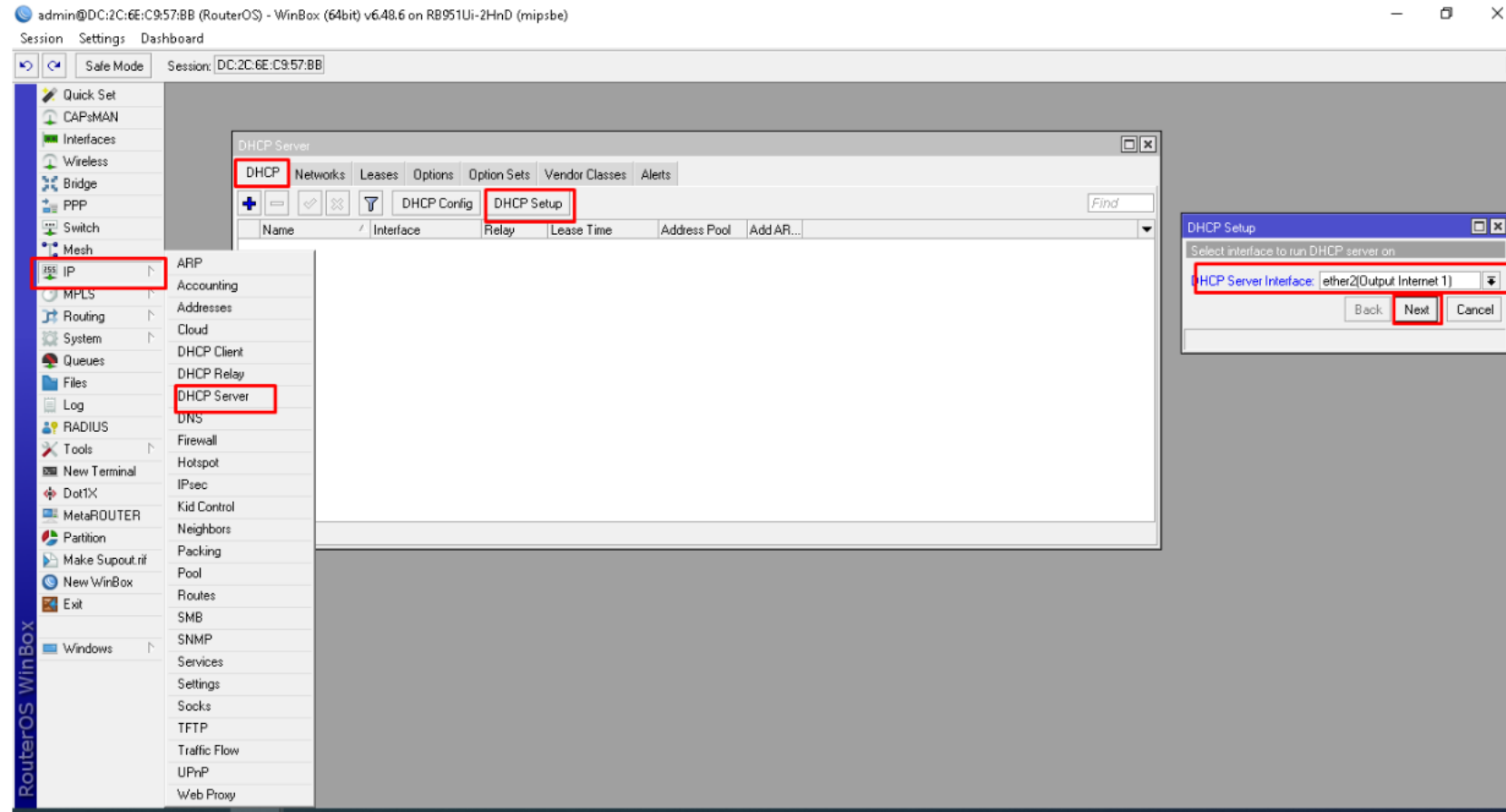
Hasil setting DHCP Server Ether 2 untuk Ip Address Otomatis

The screenshot shows the Mikrotik WinBox interface for configuring a DHCP server. The left sidebar contains a menu with categories like Quick Set, CAPsMAN, Interfaces, Wireless, Bridge, PPP, Switch, Mesh, IP, MPLS, Routing, System, Queues, Files, Log, RADIUS, Tools, and New Terminal. The main window displays the 'Address List' configuration for the DHCP server. A table lists two address ranges:

Address	Network	Interface
192.168.7.28/24	192.168.7.0	ether1 (Input Internet)
192.168.100.1/24	192.168.100.0	ether2 (Output Internet 1)

The second row, representing the configuration for ether2, is highlighted with a red border. The status bar at the bottom indicates '2 items'.

Kemudian Pilih Ip-DHCP Server-DHCP-DHCP Setup kemudian pilih ether2 yang akan dijadikan pengalamatan Ip Address Otomatis dari sisi pengguna.



Hasil akhir DHCP Server di Ether 2

admin@DC:2C:6E:C9:57:BB (RouterOS) - WinBox (64bit) v6.48.6 on RB951Ui-2HnD (mipsbe)

Session Settings Dashboard

Safe Mode Session: DC:2C:6E:C9:57:BB

DHCP Server

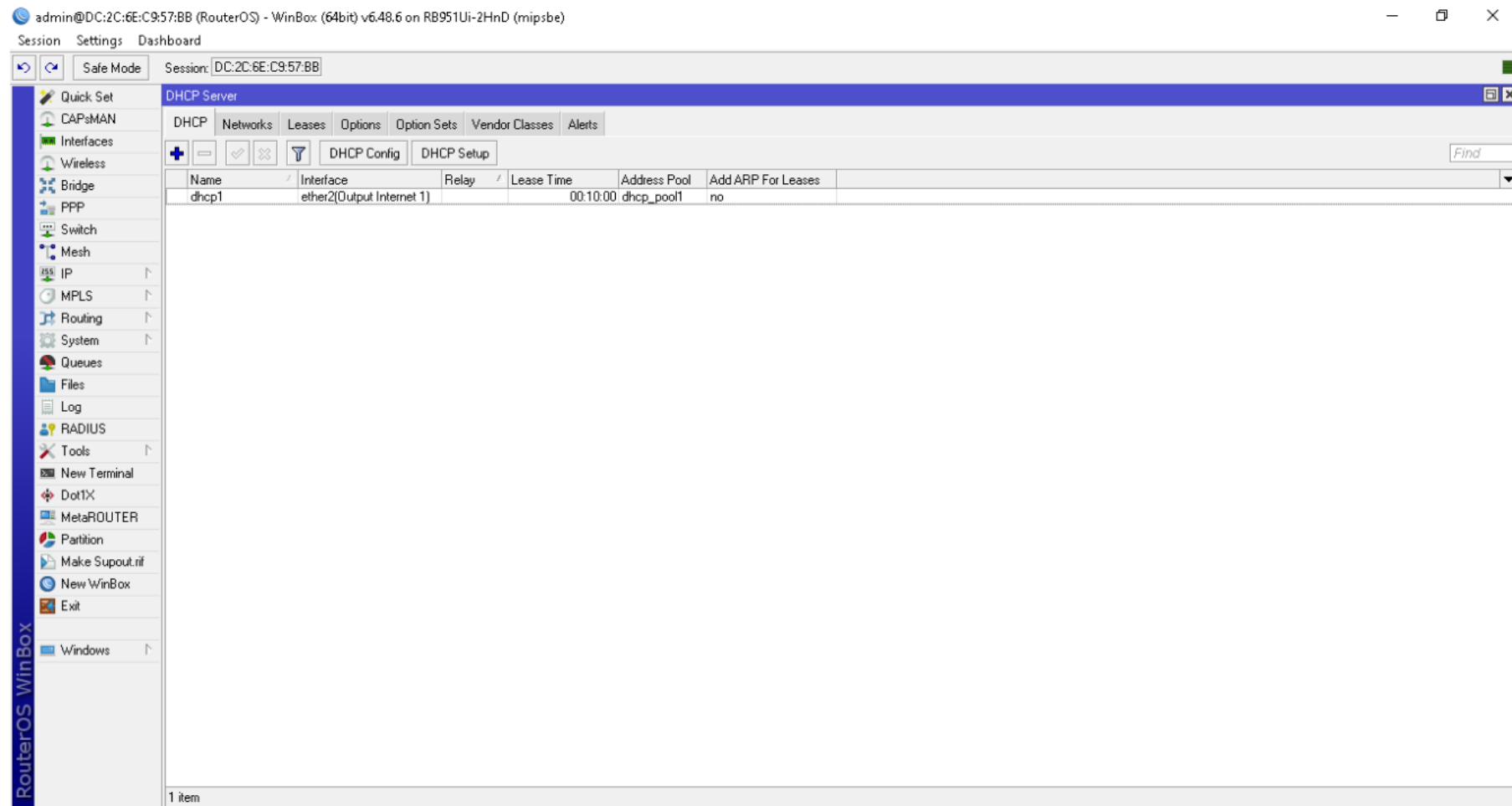
DHCP Networks Leases Options Option Sets Vendor Classes Alerts

DHCP Config DHCP Setup Find

Name	Interface	Relay	Lease Time	Address Pool	Add ARP For Leases
dhcp1	ether2(Output Internet 1)		00:10:00	dhcp_pool1	no

1 item

RouterOS WinBox



Klik 2 kali pada ether 2, kemudian dicentang Always Broadcast dan Add Arp For Leases.

The screenshot shows the Mikrotik WinBox interface for configuring a DHCP Server. The main window displays a table of DHCP servers with the following data:

Name	Interface	Relay	Lease Time	Address Pool	Add ARP For Leases
dhcp1	ether2(Output Internet 1)		00:10:00	dhcp_pool1	no

A configuration dialog box for the selected DHCP server 'dhcp1' is open. The 'Generic' tab is active, and the following options are checked:

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

The 'OK' button in the dialog box is highlighted with a red box. The status bar at the bottom indicates '1 item [1 selected]'.

Reboot mikrotik atau restart. Pilih System-Reboot.



Dari sisi klien atau pengguna sudah berhasil

The screenshot displays the Windows Network Connections window. The 'Ethernet' connection is highlighted with a red box. A 'Network Connection Details' dialog box is open, showing the following information:

Property	Value
Connection-specific DN...	
Description	Realtek PCIe FE Family Controller
Physical Address	E0-DB-55-90-1C-8F
DHCP Enabled	Yes
IPv4 Address	192.168.100.254
IPv4 Subnet Mask	255.255.255.0
Lease Obtained	Jumat, 14 Oktober 2022 09.50.35
Lease Expires	Jumat, 14 Oktober 2022 10.01.43
IPv4 Default Gateway	192.168.100.1
IPv4 DHCP Server	192.168.100.1
IPv4 DNS Server	
IPv4 WINS Server	
NetBIOS over Tcpip En...	Yes
Link-local IPv6 Address	fe80::cd2f:abaa:f820:5c3c%3
IPv6 Default Gateway	
IPv6 DNS Servers	fec0:0:0:fff::1%1 fec0:0:0:fff::2%1

Dari sisi klien atau pengguna sudah berhasil. Kita tes **ping** ke google.com

```
C:\WINDOWS\system32\cmd.exe - ping google.com -t
C:\Users\>ping google.com -t
Pinging google.com [142.251.12.138] with 32 bytes of data:
Reply from 142.251.12.138: bytes=32 time=25ms TTL=58
Reply from 142.251.12.138: bytes=32 time=30ms TTL=58
Reply from 142.251.12.138: bytes=32 time=25ms TTL=58
Reply from 142.251.12.138: bytes=32 time=25ms TTL=58
Reply from 142.251.12.138: bytes=32 time=25ms TTL=58
Reply from 142.251.12.138: bytes=32 time=25ms TTL=58
Reply from 142.251.12.138: bytes=32 time=25ms TTL=58
Reply from 142.251.12.138: bytes=32 time=25ms TTL=58
Reply from 142.251.12.138: bytes=32 time=25ms TTL=58
Reply from 142.251.12.138: bytes=32 time=25ms TTL=58
Reply from 142.251.12.138: bytes=32 time=25ms TTL=58
```



Dari sisi klien atau pengguna sudah berhasil. Kita **tes tracert google.com**.

C:\WINDOWS\system32\cmd.exe - tracert google.com

```
C:\Users\>tracert google.com
```

```
Tracing route to google.com [142.251.12.100]  
over a maximum of 30 hops:
```

```
 1  <1 ms    <1 ms    <1 ms    192.168.100.1  
 2  <1 ms    <1 ms    <1 ms    192.168.7.1  
 3  *        12 ms    *        ip-103-83-6-241.moratelindo.net.id [103.122.33.241]  
 4  13 ms    13 ms    13 ms    ip-103-83-6-161.moratelindo.net.id [103.83.6.161]  
 5  25 ms    25 ms    25 ms    ip-103-83-6-18.moratelindo.net.id [103.83.6.18]  
 6  *        27 ms    27 ms    74.125.118.220  
 7  28 ms    25 ms    25 ms    108.170.254.225  
 8  27 ms    27 ms    37 ms    108.170.254.227  
 9  *        28 ms    *        216.239.35.174  
10  26 ms    26 ms    26 ms    209.85.250.37  
11  25 ms    26 ms    28 ms    142.251.52.243  
12  *        *        *        Request timed out.  
13  *        *        *        Request timed out.  
14  *        *        *        Request timed out.  
15  *        *        *        Request timed out.  
16  *        *        *        Request timed out.  
17  _
```

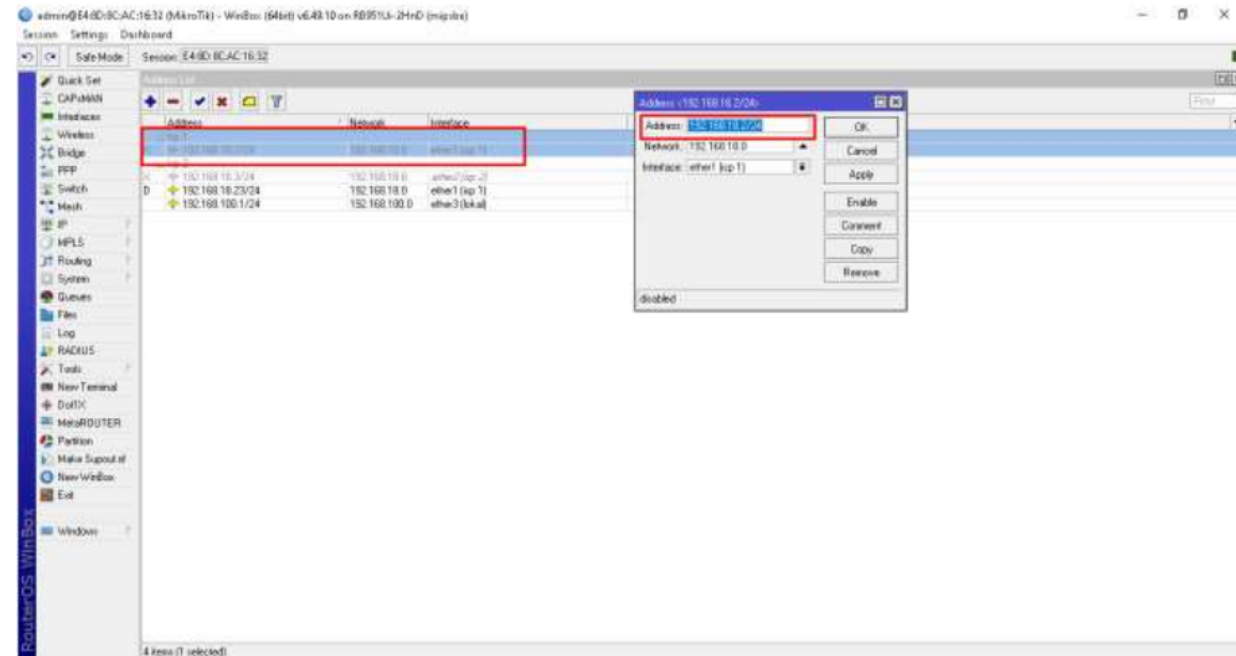

Setting Ip Gateway ISP I

Pilih Menu di Mikrotik IP >> Address

Isi Address 192.168.18.2/24

Network 192.168.18.0.1

Interface ether1 (Isp 1)



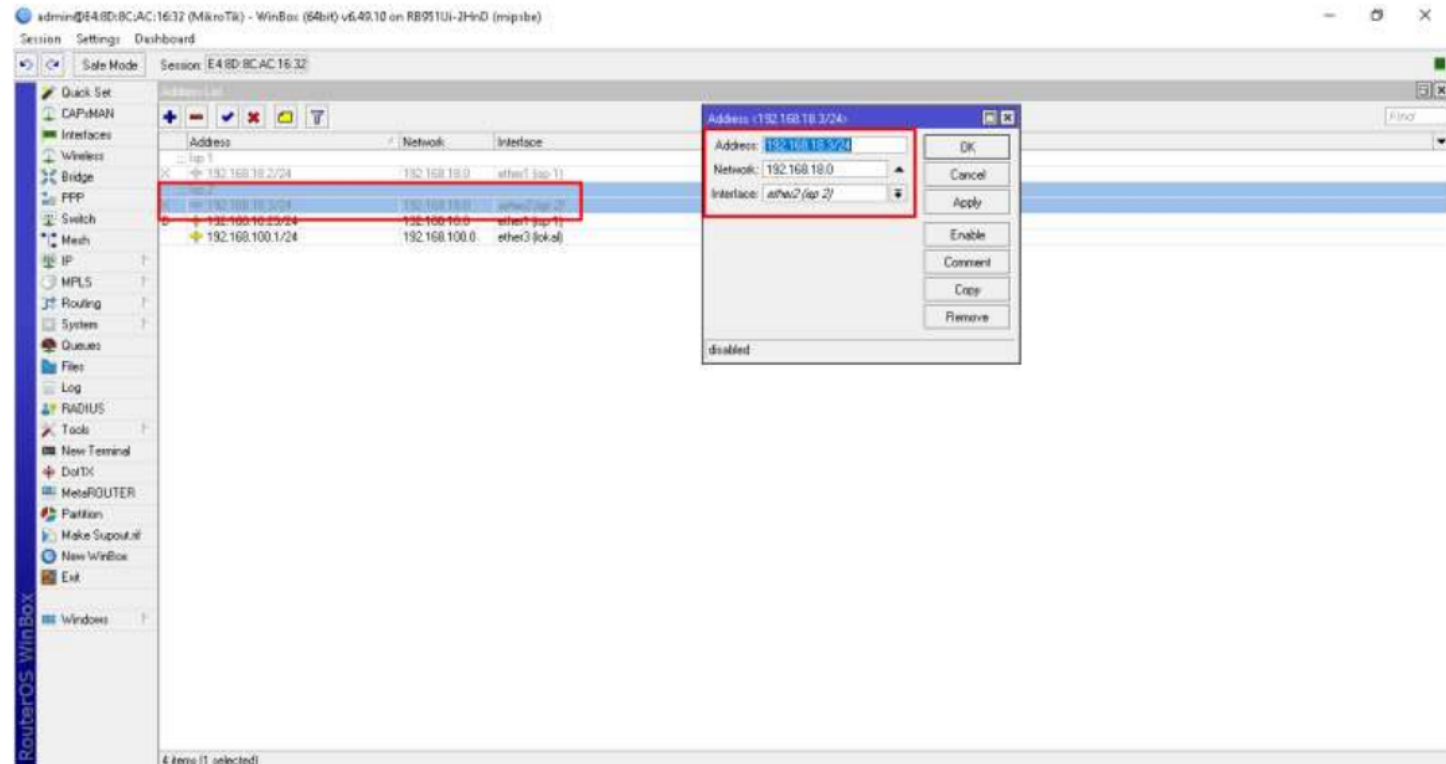
Setting Ip Gateway ISP 2

Pilih Menu di Mikrotik IP >> Address

Isi Address 192.168.18.3/24

Network 192.168.18.0.1

Interface ether2 (Isp 2)



Setting NAT untuk ISP 1 dan ISP 2

Pilih Menu di Mikrotik IP >> Firewall >> NAT

The screenshot shows the Mikrotik WinBox interface. The left sidebar contains a tree view of system menus. The 'IP' menu is highlighted with a red box, and its sub-menu is open, showing 'Firewall' also highlighted with a red box. The 'NAT' sub-menu is also highlighted with a red box. The main window displays the 'Firewall' configuration page, with the 'NAT' tab selected. The 'Filter Rules' tab is active, showing a table of rules. The table has columns for #, Action, Chain, Src. Address, Dst. Address, Proto..., Src. Port, Dst. Port, In. Inter..., Out. Int..., In. Inter..., Out. Int..., Src. Ad..., Dst. Ad..., Bytes, and Packets. The first rule is visible with # 0, Action mas..., Chain srcnat, and Bytes 3819.6 KB, Packets 9.443. The interface also shows 'Reset Counters' and 'Reset All Counters' buttons.

Setting NAT untuk ISP 1 dan ISP 2

Pilih Menu di Mikrotik IP >> Firewall >> NAT >> Tekan Tanda +
Isikan Out Interface untuk ether 1 (Isp 1)
untuk ether 2 (Isp 2)

ether 1 (Isp 1)



ether 2 (Isp 2)



Setting Mangle

Pilih Menu di Mikrotik IP >> Firewall >> Mangle >> Klik Tanda +

The screenshot shows the Mikrotik WinBox interface. The left sidebar contains a navigation menu with 'IP' and 'Firewall' highlighted with red boxes. The main window displays the 'Mangle' configuration page, which includes a table of existing mangle rules and a '+ Add' button to create a new one.

#	Action	Chain	Src. Address	Proto...	Src. Port	Dst. Port	In. Interface	Out. Int...	In. Inter...	Out. Int...	Src. Ad...	Dst. Ad...	Bytes	Packets
0	mark connection	prerouting					ether3 (lokal)						0 B	0
1	ARP	prerouting					ether3 (lokal)						0 B	0
2	Accounting	prerouting					ether3 (lokal)						0 B	0
3	Addresses	prerouting					ether3 (lokal)						0 B	0
4	Cloud	prerouting					ether3 (lokal)						0 B	0



Mangle ISP I (Mark Connection)

Mangle Rule 01

General Advanced Edit Action Statistics

Chain: **input**

Src. Address: []
Dst. Address: []

Protocol: []
Src. Port: []
Dst. Port: []
Any Port: []

In Interface: **ethw3 (out)**
Out Interface: []

In Interface List: []
Out Interface List: []

Packet Mark: []
Connection Mark: []
Routing Mark: []
Routing Table: []

Connection Type: []
Connection State: []
Connection NAT State: []

disabled

Mangle Rule 01

General Advanced Edit Action Statistics

Src. Address List: []
Dst. Address List: []
Layer7 Protocol: []
Content: []
Connection Bytes: []
Connection Rate: []

Fire Connection Classifier: src address and port | 12 | /0

Src. IPsec Address: []
Dst. Edge Port: []
In. Edge Port: []
In. Edge Port List: []
Out. Edge Port List: []

IPsec Policy: []
TLS Host: []

Ingress Priority: []
Priority: []
DSCP (TDS): []
TCP MSS: []
Packet Size: []
Random: []

TCP Flags: []
IDP Options: []
IPv6 Options: []

disabled

Mangle Rule 01

General Advanced Edit Action Statistics

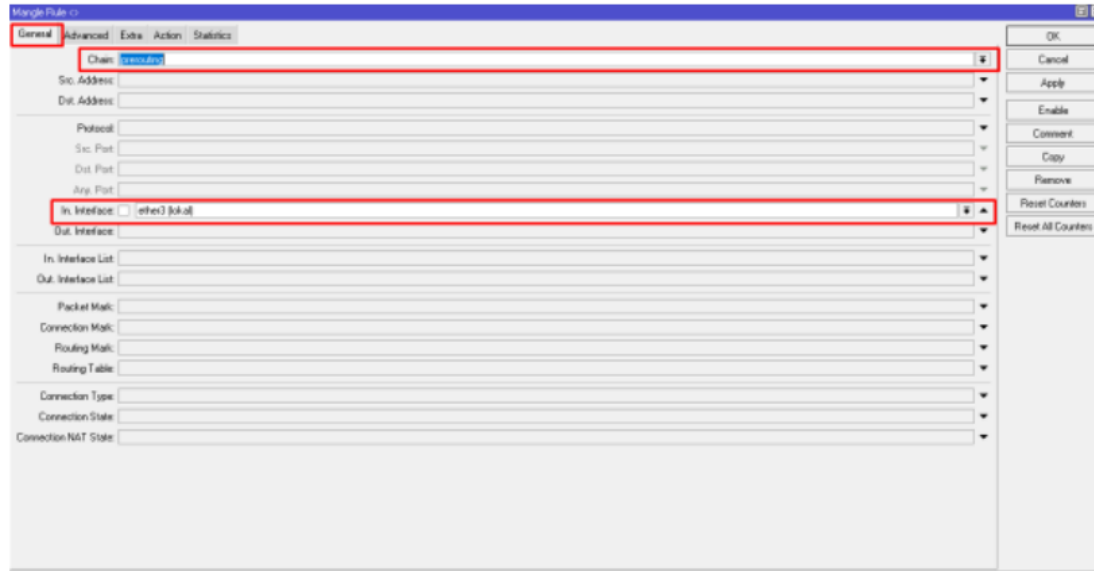
Action: **mark connection**

Log
Log Prefix: []

New Connection Mark: **isp 1**
 Passthrough

disabled

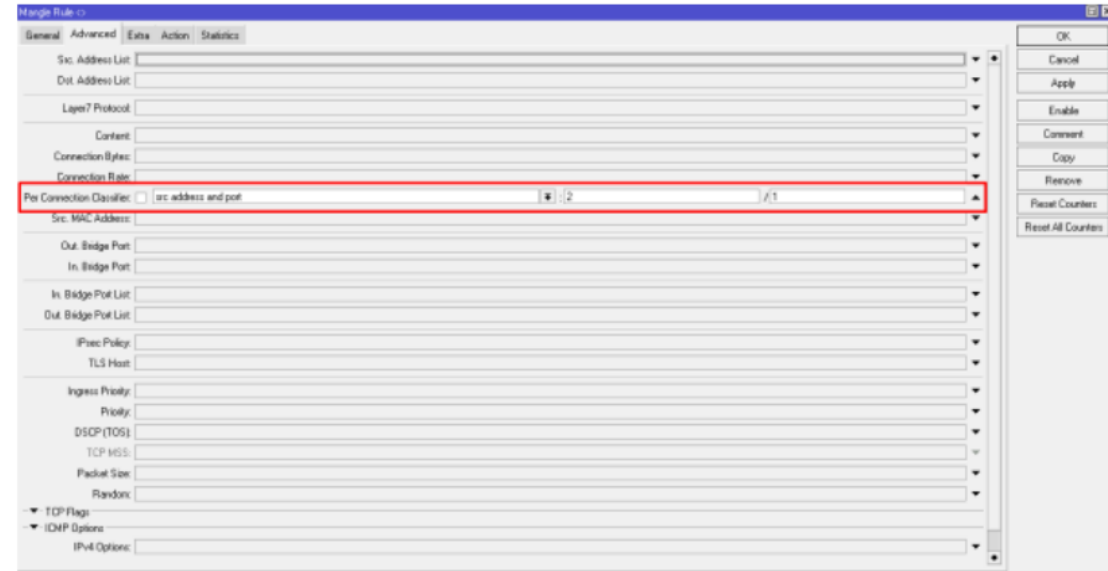
Mangle ISP 2 (Mark Connection)



Mangle Rule configuration window, General tab. The 'Chain' dropdown is set to 'mangleout' and the 'In Interface' dropdown is set to 'eth0/30k'. The 'General' tab is highlighted with a red box.

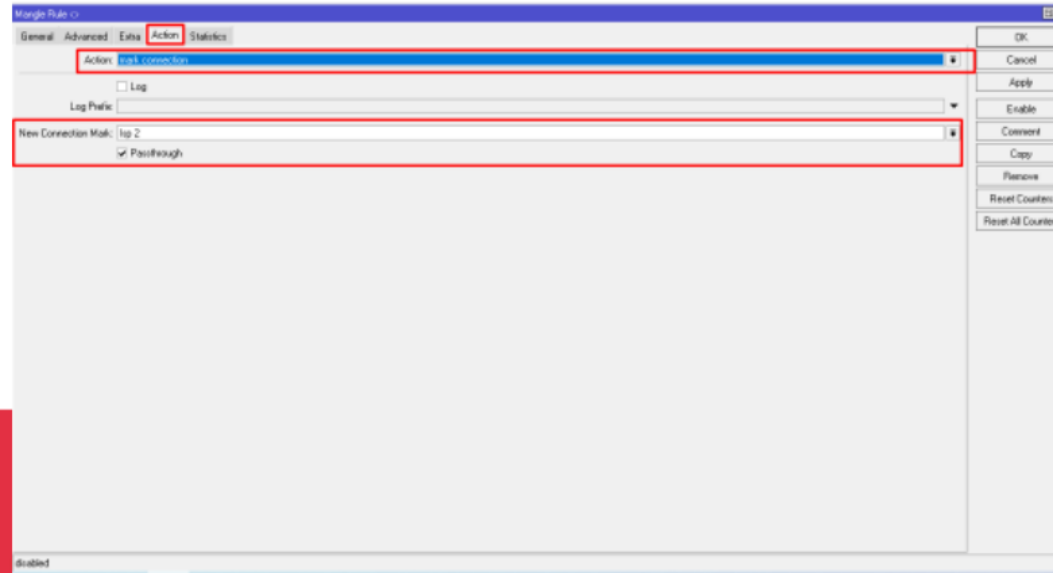
Chain: **mangleout**

In Interface: **eth0/30k**



Mangle Rule configuration window, Advanced tab. The 'Per Connection Classifier' dropdown is set to 'src address and port', with '2' in the 'Port' field and '1' in the 'Port Mask' field. The 'Advanced' tab is highlighted with a red box.

Per Connection Classifier: **src address and port** | 2 | 1



Mangle Rule configuration window, Action tab. The 'Action' dropdown is set to 'log_connection'. The 'New Connection Mark' dropdown is set to 'log_2', and the 'Passthrough' checkbox is checked. The 'Action' tab is highlighted with a red box.

Action: **log_connection**

New Connection Mark: **log_2**

Passthrough

Mangle ISP I (Mark Routing)

The screenshot shows the 'Mangle Rule' configuration window in Mikrotik WinBox, with the 'General' tab selected. The following fields are highlighted with red boxes:

- Chain:** mangle
- In Interface:** eth0/30k-0/1
- Connection Mark:** isp 1

Other visible fields include Src. Address, Dest. Address, Protocol, Src. Port, Dest. Port, and Action, which is currently set to 'passthrough'.

The screenshot shows the 'Mangle Rule' configuration window in Mikrotik WinBox, with the 'Action' tab selected. The following fields are highlighted with red boxes:

- Action:** mark-isp
- New Routing Mark:** Ke-isp 1

Other visible fields include Log, Log Prefix, and Passthrough.



Mangle ISP 2 (Mark Routing)

The screenshot shows the 'Mangle Rule' configuration window in Mikrotik WinBox, with the 'General' tab selected. The following fields are highlighted with red boxes:

- Chain:** mangle-out
- In. Interface:** ether3 (ok-s)
- Connection Mark:** isp 2

Other visible fields include Src. Address, Out. Address, Protocol, Src. Port, Out. Port, and Action. The Action dropdown is currently empty.

The screenshot shows the 'Mangle Rule' configuration window in Mikrotik WinBox, with the 'Action' tab selected. The following fields are highlighted with red boxes:

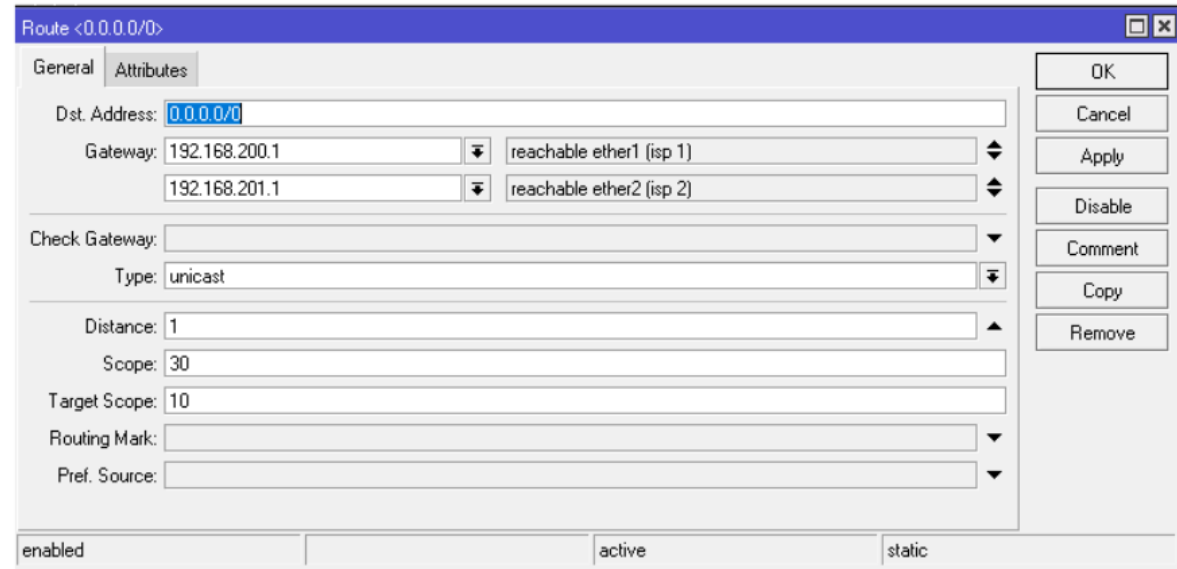
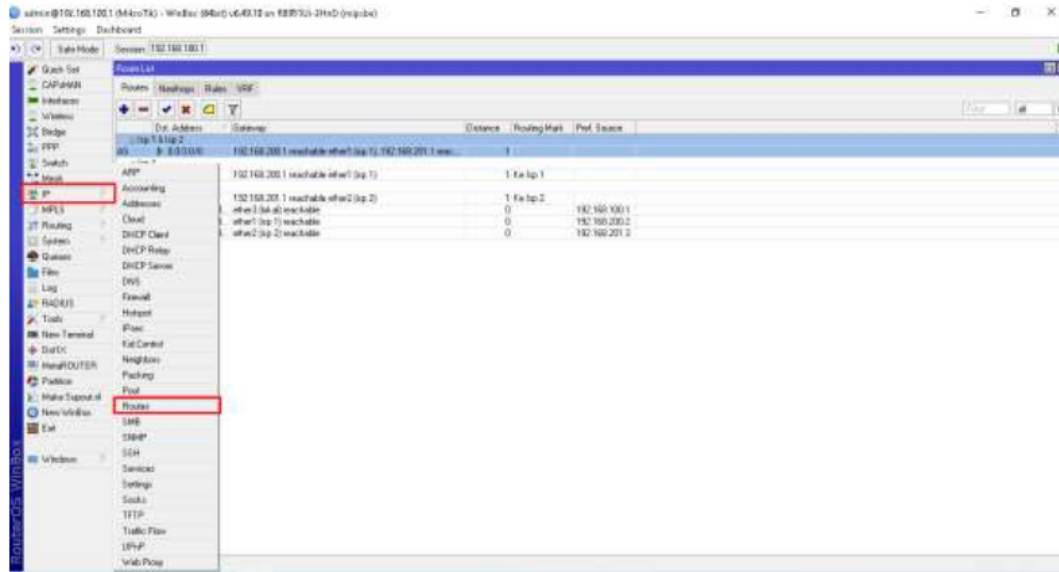
- Action:** mark-routing
- New Routing Mark:** Ke-isp 2

Other visible fields include Log Prefix, Log, and Passthrough. The 'Log' checkbox is unchecked.



Routing Gateway ISP 1 dan ISP 2

Pilih Menu di Mikrotik IP >> Routes >> Klik Tanda +
Isikan Gateway masing – masing ISP 1 dan ISP 2.



Pisahkan Gateway ISP I

Pilih Menu di Mikrotik IP >> Routes >> Klik Tanda +
Isikan Gateway
Isikan Distance 1
Isikan Routing Mark ISP 1

Route <0.0.0.0/0>

General Attributes

Dst. Address: 0.0.0.0/0

Gateway: 192.168.200.1 reachable ether1 (isp 1)

Check Gateway: [v]

Type: unicast

Distance: 1

Scope: 30

Target Scope: 10

Routing Mark: Ke Isp 1

Pref. Source: [v]

OK
Cancel
Apply
Disable
Comment
Copy
Remove

enabled active static



Pisahkan Gateway ISP 2

Pilih Menu di Mikrotik IP >> Routes >> Klik Tanda +
Isikan Gateway
Isikan Distance 1
Isikan Routing Mark ISP 2

Route <0.0.0.0/0>

General Attributes

Dst. Address: 0.0.0.0/0

Gateway: 192.168.201.1 reachable ether2 (isp 2)

Check Gateway:

Type: unicast

Distance: 1

Scope: 30

Target Scope: 10

Routing Mark: Ke Isp 2

Pref. Source:

OK
Cancel
Apply
Disable
Comment
Copy
Remove

enabled active static

Hasil Speed Tes untuk Load Balancing 2 ISP (Internet Service Provider)

admin@192.168.100.1 (MikroTik) - WinBox (64bit) v6.49.10 on RB951Ui-2HnD (mipsbe)

Session Settings Dashboard

Safe Mode Session: 192.168.100.1

Interface List

Interface Interface List Ethernet EoIP Tunnel IP Tunnel GRE Tunnel VLAN VRRP Bonding LTE

+ - Detect Internet Find

Name	Type	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)	FP Rx Packet (p/s)
R ether1 (isp 1)	Ethernet	1500	1598	363.6 kbps	13.2 Mbps	654	1 099	323.7 kbps	12.4 Mbps	617	
R ether2 (isp 2)	Ethernet	1500	1598	1846.1 kbps	64.7 Mbps	3 502	5 345	1734.1 kbps	63.9 Mbps	3 505	
R ether3 (lokal)	Ethernet	1500	1598	77.5 Mbps	2.2 Mbps	6 409	4 189	76.5 Mbps	2.0 Mbps	6 336	
ether4	Ethernet	1500	1598	0 bps	0 bps	0	0	0 bps	0 bps	0	0
ether5	Ethernet	1500	1598	0 bps	0 bps	0	0	0 bps	0 bps	0	0
wlan1	Wireless (Atheros AR9...	1500	1600	0 bps	0 bps	0	0	0 bps	0 bps	0	0

RouterOS WinBox

6 items

Hasil Speed Tes untuk Load Balancing 2 ISP (Internet Service Provider)

admin@192.168.100.1 (MikroTik) - WinBox (64bit) v6.49.10 on RB951Ui-2HnD (mipsbe)

Session Settings Dashboard

Safe Mode Session: 192.168.100.1

Interface List															
Interface															
Interface List Ethernet EoIP Tunnel IP Tunnel GRE Tunnel VLAN VRRP Bonding LTE															
Detect Internet															
Find															
	Name	Type	Actual MTU	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)	FP Tx	FP Rx	FP Tx Packet (p/s)	FP Rx Pa			
R	ether1 (isp 1)	Ethernet	1500	1598	634.4 kbps	23.2 Mbps	1 212	1 922	616.3 kbps	24.4 Mbps	1 257				
R	ether2 (isp 2)	Ethernet	1500	1598	1215.9 kbps	43.9 Mbps	2 313	3 625	1151.9 kbps	45.0 Mbps	2 342				
R	ether3 (lokal)	Ethernet	1500	1598	67.2 Mbps	1853.6 kbps	5 552	3 530	69.4 Mbps	1771.4 kbps	5 753				
	ether4	Ethernet	1500	1598	0 bps	0 bps	0	0	0 bps	0 bps	0				
	ether5	Ethernet	1500	1598	0 bps	0 bps	0	0	0 bps	0 bps	0				
	wlan1	Wireless (Atheros AR9...	1500	1600	0 bps	0 bps	0	0	0 bps	0 bps	0				

6 items

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