

ROUTING

WAN - MIKROTIK - LAN

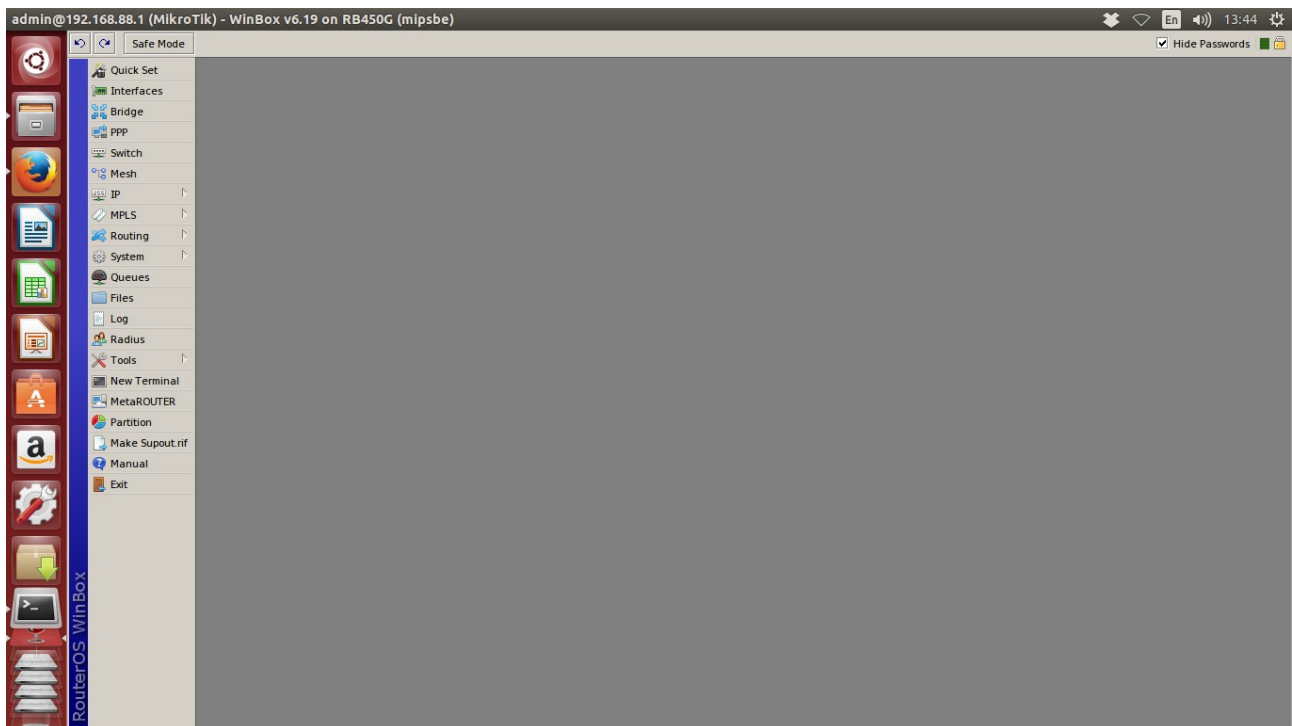
WAN : 192.168.1.88/24 static

MIKROTIK ETH1 : 192.168.1.252/24 static

MIKROTIK ETH2 : 192.168.88.1/24 dhcp server

LAN : 192.168.88.0/24 dhcp

1. winbox



2. daftar interface mikrotik (disable yg tidak perlu)

Interface List									
Interface Ethernet EoIP Tunnel IP Tunnel GRE Tunnel VLAN VRRP Bonding LTE									
+ - ✓ ✗ 📁 🔍									
	Name	Type	L2 MTU	Tx	Rx	Tx Packet (p/s)	Rx Packet (p/s)		
R	ether1-gateway	Ethernet	1520	816 bps	14.0 kbps	1	23		
R	ether2-master-local	Ethernet	1520	41.2 kbps	2.5 kbps	5	3		
X	ether3-slave-local	Ethernet	1520	0 bps	0 bps	0	0		
X	ether4-slave-local	Ethernet	1520	0 bps	0 bps	0	0		
X	ether5-slave-local	Ethernet	1520	0 bps	0 bps	0	0		

5 items

3. set ip address

Address List

+ - ✓ ✗ 📁 🔍 Find

Address	Network	Interface
WAN		
192.168.1.252/24	192.168.1.0	ether1-gateway
LAN		
192.168.88.1/24	192.168.88.0	ether2-master-...

2 items (1 selected)

Address <192.168.1.252/24>

Address: 192.168.1.252/24

Network: 192.168.1.0

Interface: ether1-gateway

OK Cancel Apply Disable Comment Copy Remove

enabled

4. set gateway

Route List

Routes | Nexthops | Rules | VRF

Find all

	Dst. Address	Gateway	Distance	Routing Mark	Pref. Source
AS	0.0.0.0/0	192.168.1.88 reachable ether1-gateway	1		
DAC	192.168.1.0/24	ether1-gateway reachable	0		192.168.1.252
DAC	192.168.88.0...	ether2-master-local reachable	0		192.168.88.1

Route <0.0.0.0/0>

General | Attributes

Dst. Address: 0.0.0.0/0

Gateway: 192.168.1.88 reachable ether1-gateway

Check Gateway:

Type: unicast

Distance: 1

Scope: 30

Target Scope: 10

Routing Mark:

Pref. Source:

OK
Cancel
Apply
Disable
Comment
Copy
Remove

enabled active static

5. set DNS server

DNS Settings

Servers: 8.8.8.8
8.8.4.4

Dynamic Servers:

☒ Allow Remote Requests

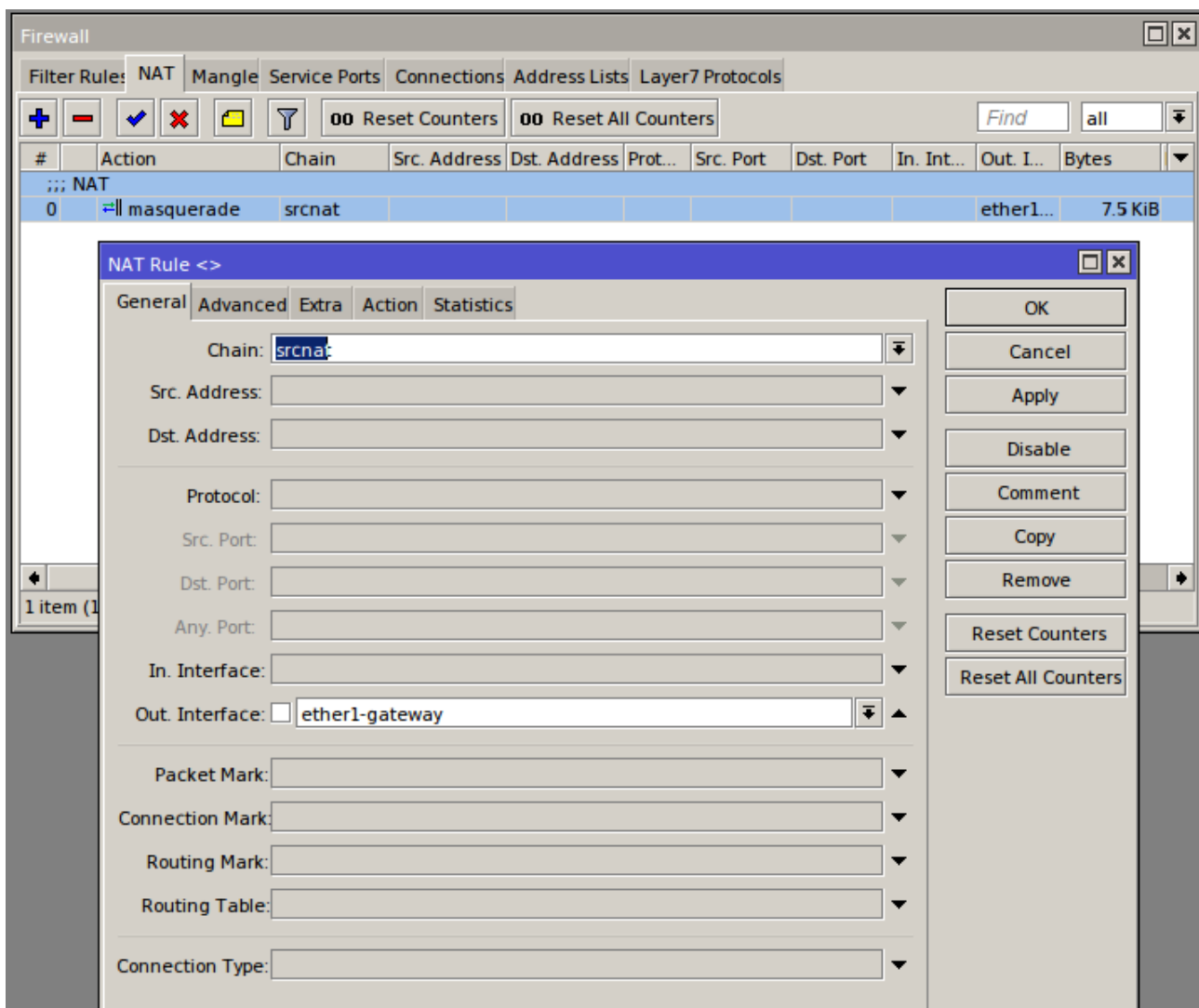
Max UDP Packet Size: 4096

Cache Size: 2048 KiB

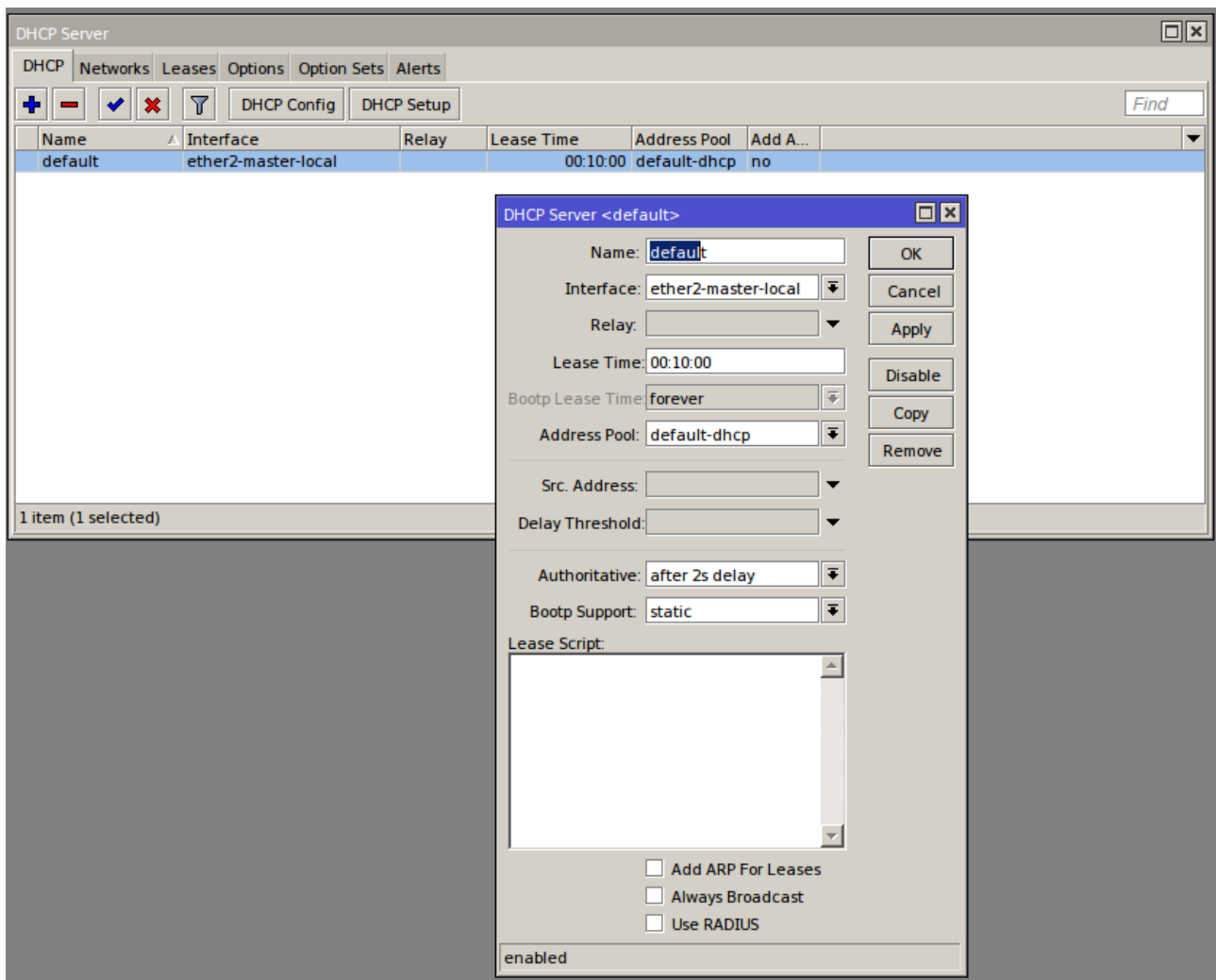
Cache Used: 21

OK
Cancel
Apply
Static
Cache

6. set NAT

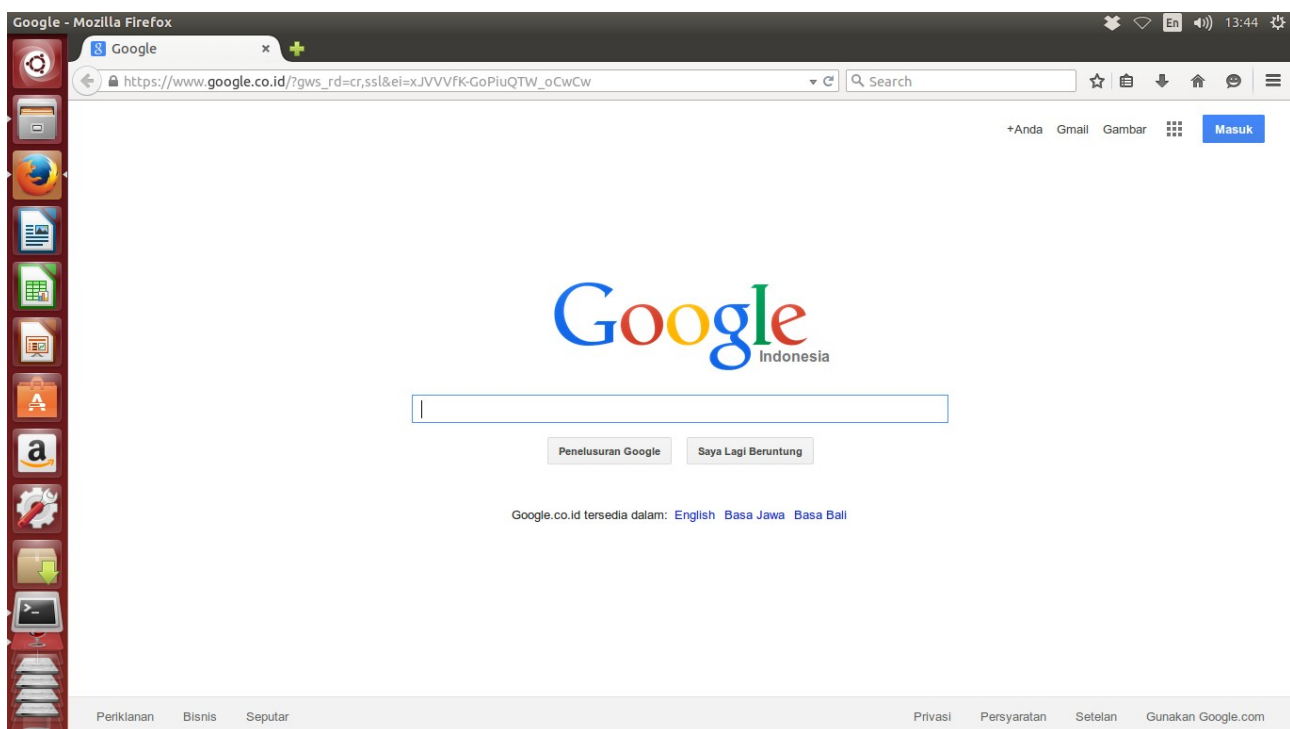


7. set DHCP server



8. tes ping & browsing client

```
padli@raisa: ~  
padli@raisa:~$ ifconfig eth0  
eth0      Link encap:Ethernet  HWaddr 14:da:e9:ad:9f:bc  
          inet addr:192.168.88.254  Bcast:192.168.88.255  Mask:255.255.255.0  
          inet6 addr: fe80::16da:e9ff:fead:9fbc/64 Scope:Link  
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1  
          RX packets:3331 errors:0 dropped:0 overruns:0 frame:0  
          TX packets:3020 errors:0 dropped:0 overruns:0 carrier:0  
          collisions:0 txqueuelen:1000  
          RX bytes:2799317 (2.7 MB)  TX bytes:322307 (322.3 KB)  
  
padli@raisa:~$ route -n  
Kernel IP routing table  
Destination      Gateway          Genmask          Flags Metric Ref    Use Iface  
0.0.0.0          192.168.88.1    0.0.0.0          UG      0      0      0 eth0  
169.254.0.0      0.0.0.0         255.255.0.0      U       1000   0      0 eth0  
192.168.88.0     0.0.0.0         255.255.255.0    U       0      0      0 eth0  
padli@raisa:~$ ping 8.8.8.8  
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data.  
64 bytes from 8.8.8.8: icmp_seq=1 ttl=52 time=30.1 ms  
64 bytes from 8.8.8.8: icmp_seq=2 ttl=52 time=31.2 ms  
64 bytes from 8.8.8.8: icmp_seq=3 ttl=52 time=31.6 ms  
64 bytes from 8.8.8.8: icmp_seq=4 ttl=52 time=31.4 ms  
^C  
--- 8.8.8.8 ping statistics ---
```



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