BLOCKING CLIENT ROUTER ACCESS

By: Haydar Fadel
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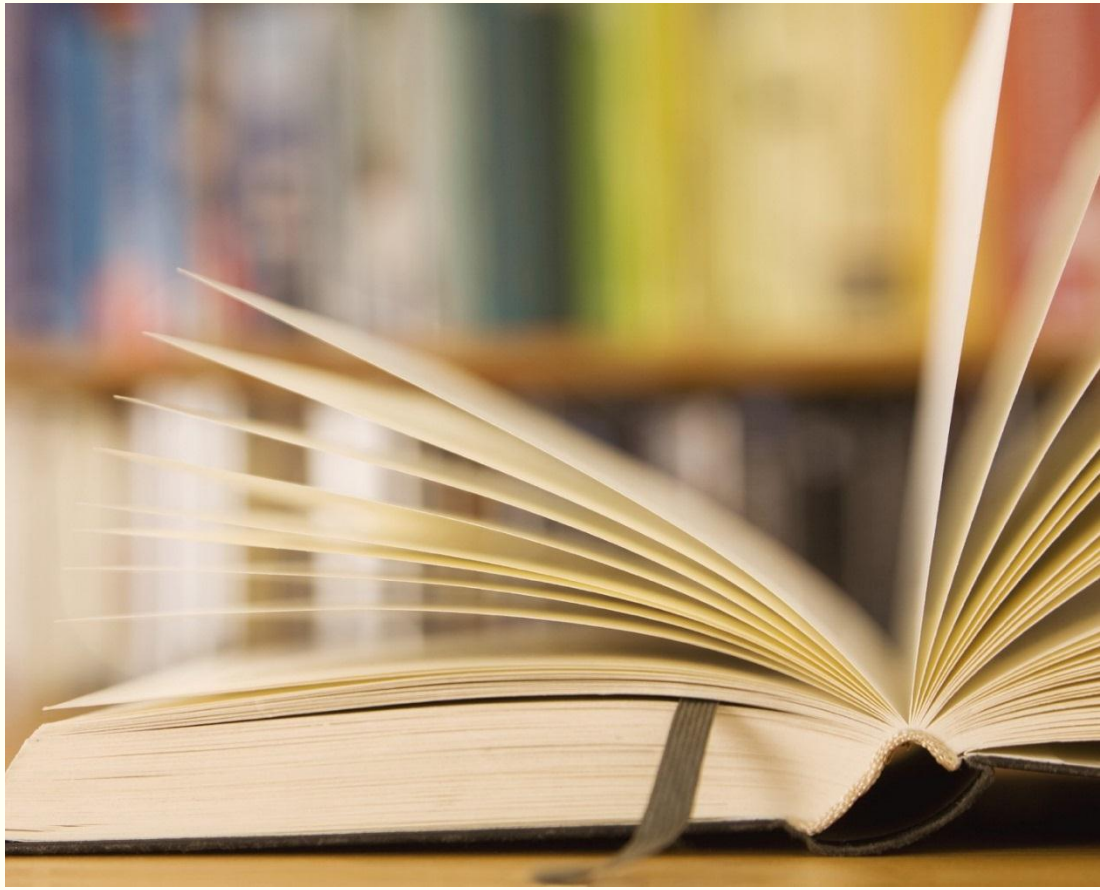
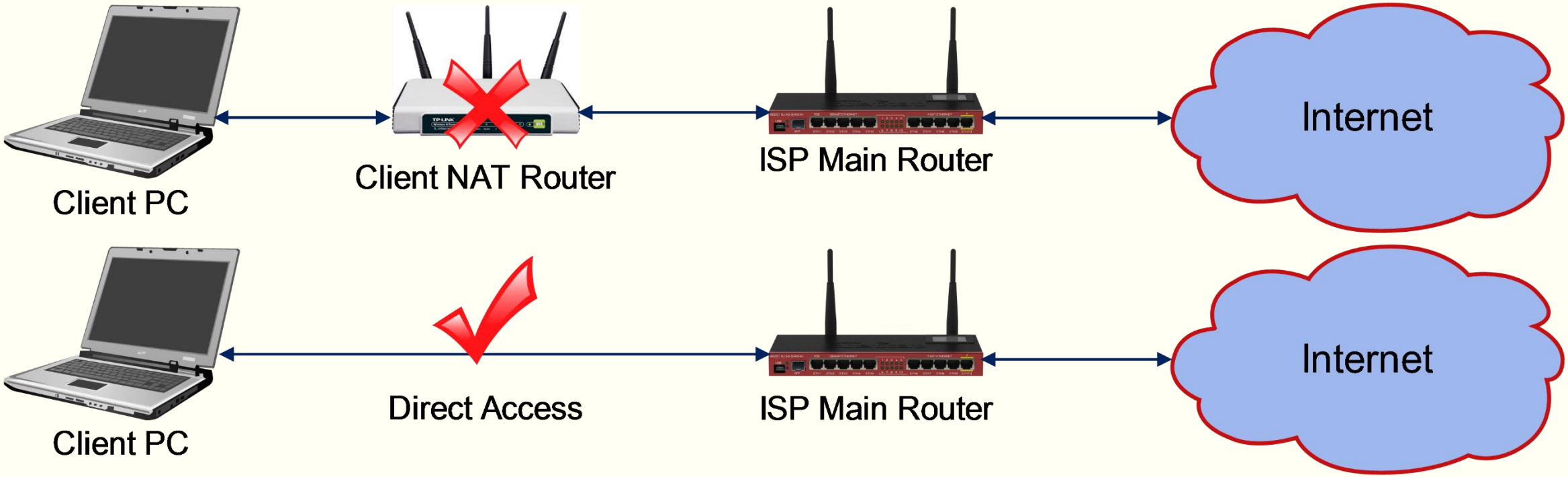


Theory and Logical Network Diagram



- Many clients in Iraq just buy one user name and password for their internet access and with different methods of access like PPPoE and Hotspot .
- But they share this small bandwidth among many users inside home or office i.e SOHO network.
- And other case many internet cafe or internet centers bought two or more credentials and merge them or load balance between then and provide very slow internet speed to their client .

Theory and Logical Network Diagram

- The idea is how prevent popular router like (TP-Link) and other router login to internet and share it among different users ?
- And must implement this idea with different login methods (PPPoE , Dynamic IP, Static IP …..).
- And only accessible method to internet is by connect PC directly to ISP router .
- This can be accomplished by using MikroTik RouterOS and Firewall facilities.

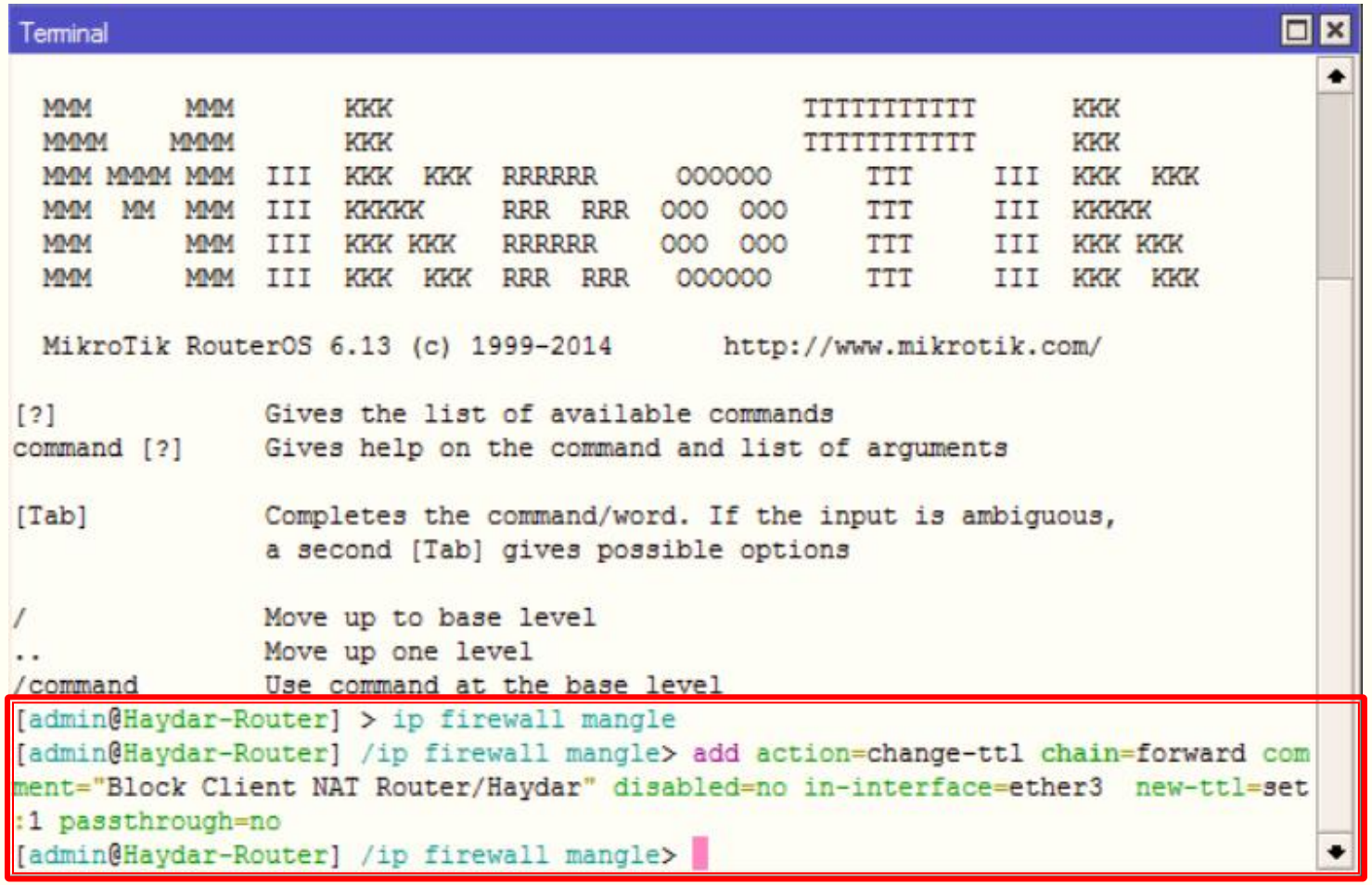
Implementation (Command Line)

- In the ISP Main router just add the following command in MikroTik new Terminal .

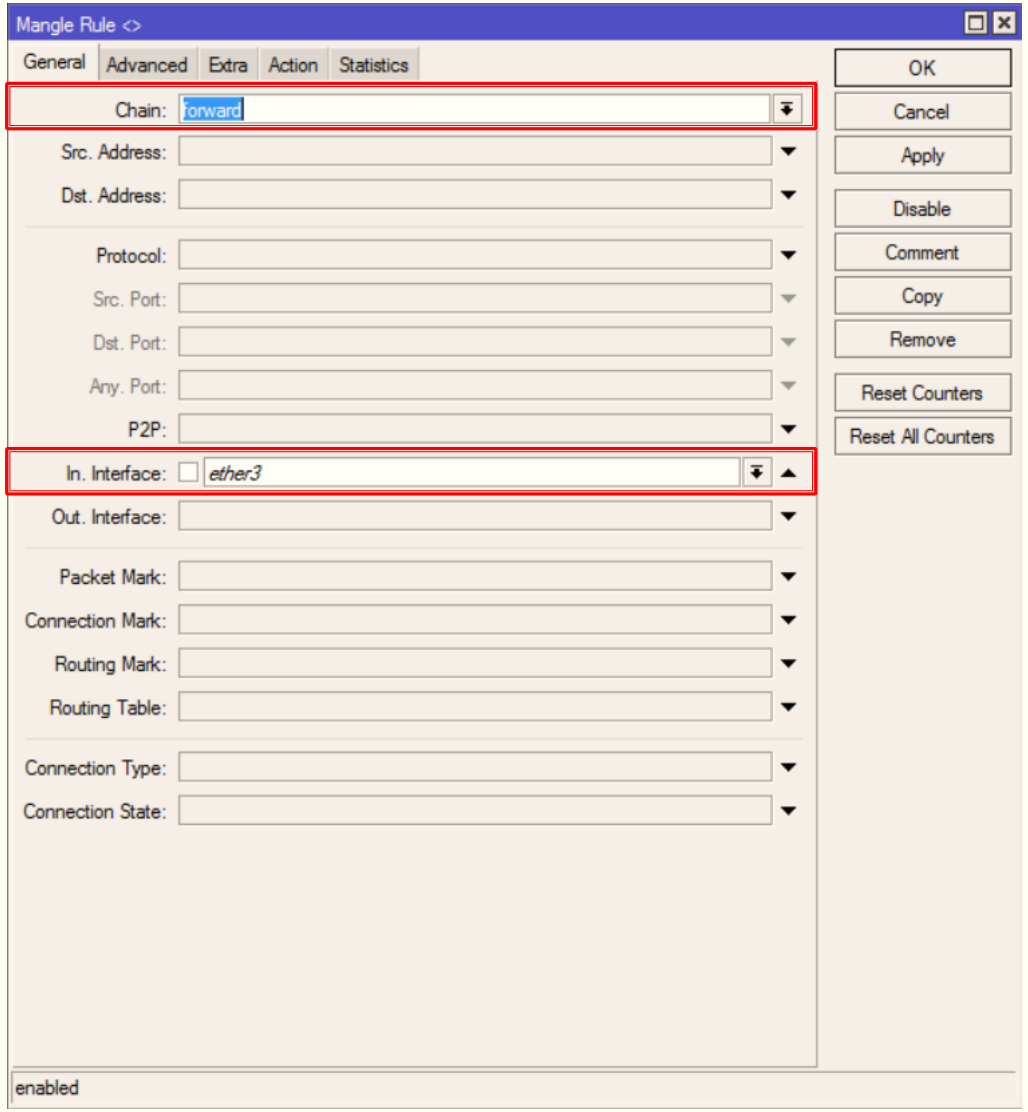
```
/ip firewall mangle
add action=change-ttl chain=forward comment="Block Client NAT Router/Haydar" disabled=no in-interface=LAN
new-ttl=set:1 passthrough=no
```

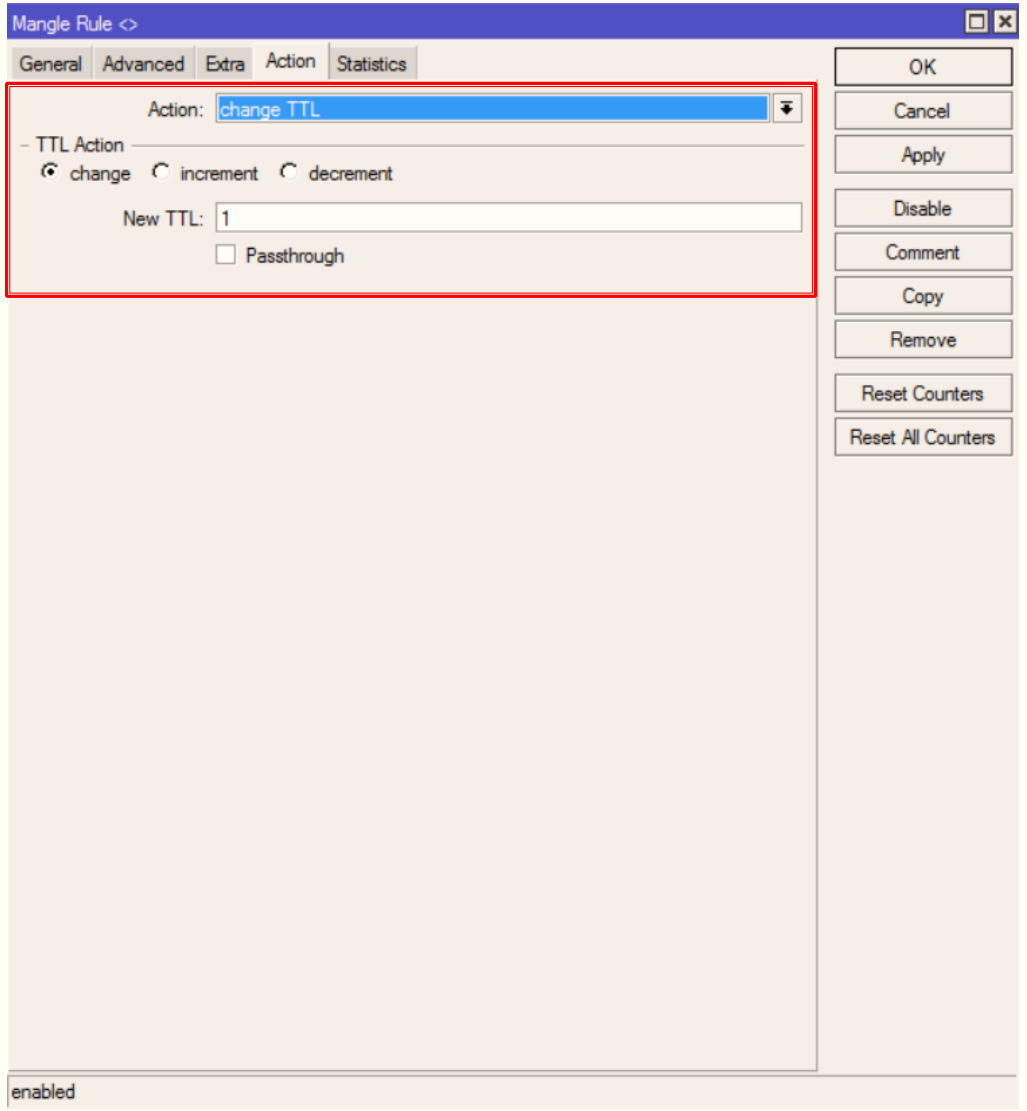
- Or by using MikroTik WinBox (next pages)

Implementation (Command Line)



Implementation (WinBox)





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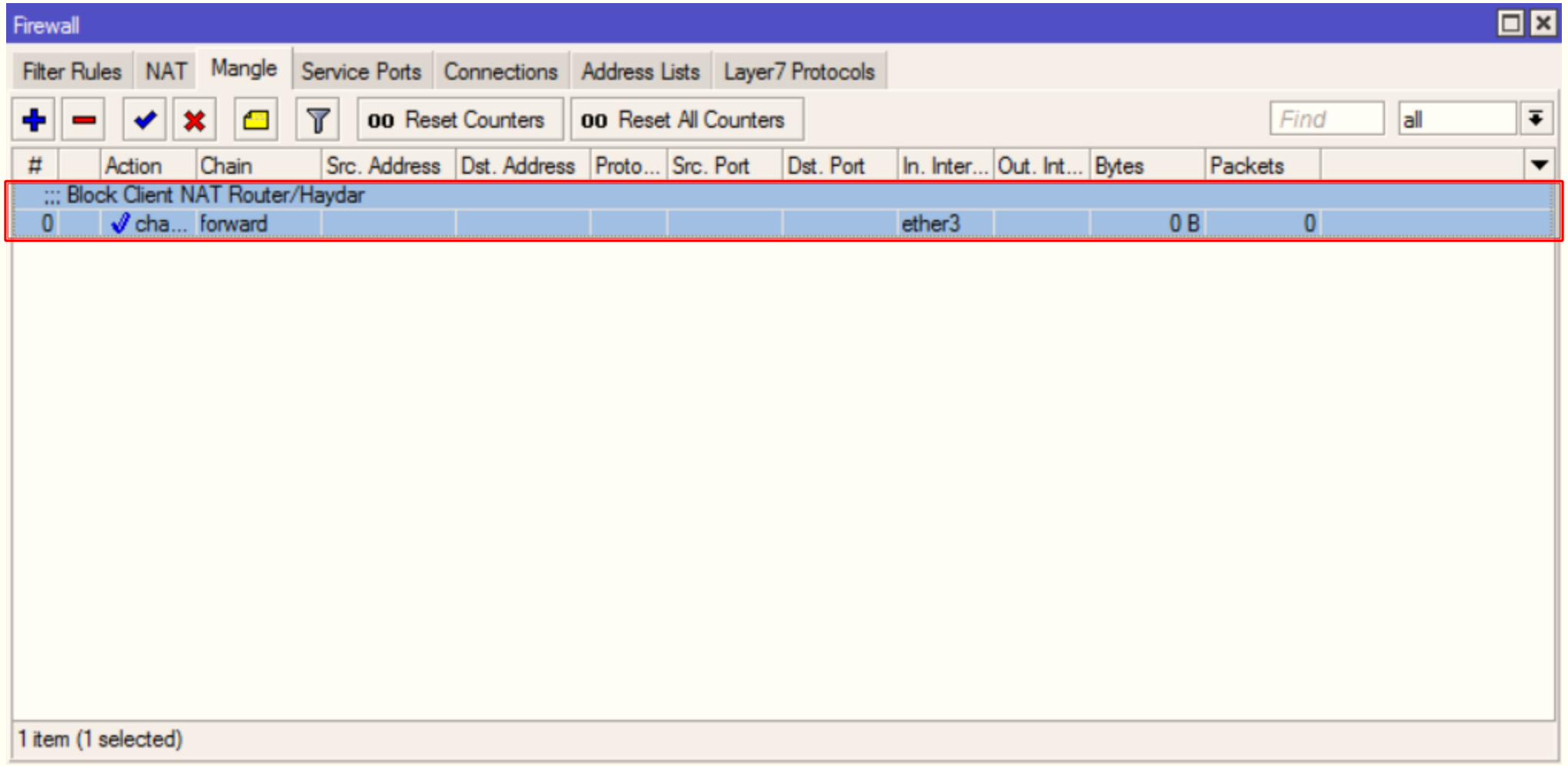
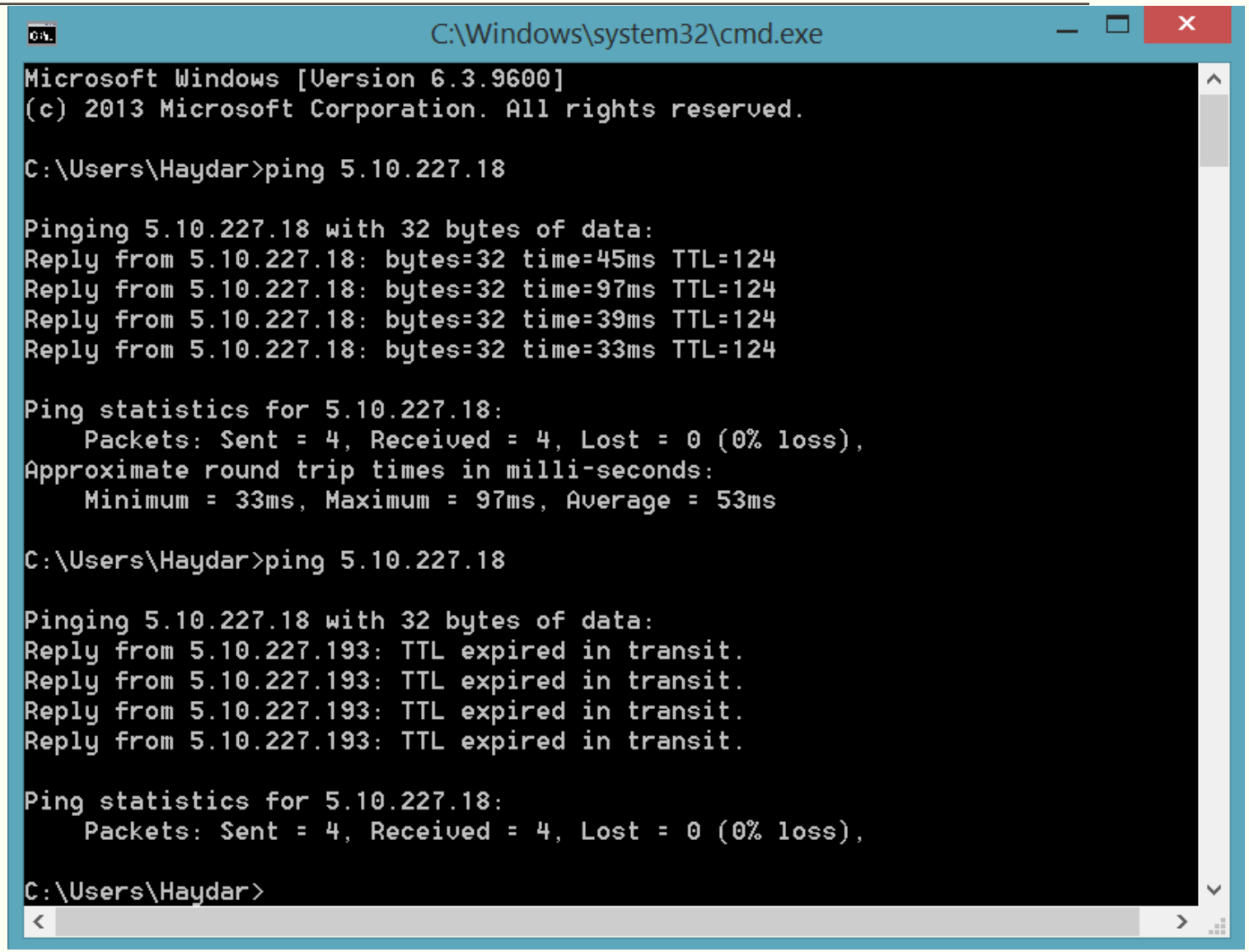


Verification

Before adding rule in Main ISP Router

After adding rule in Main ISP Router



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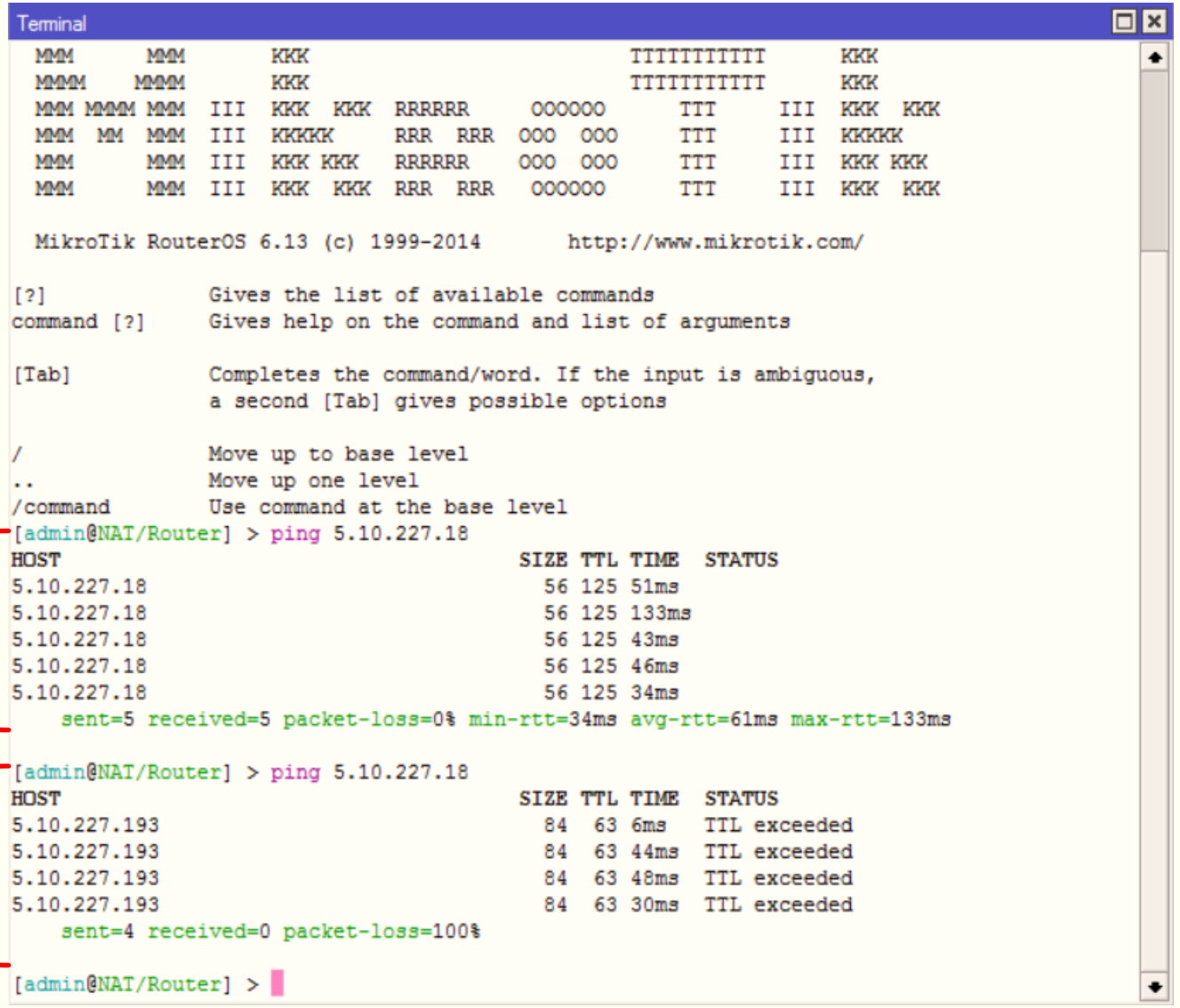
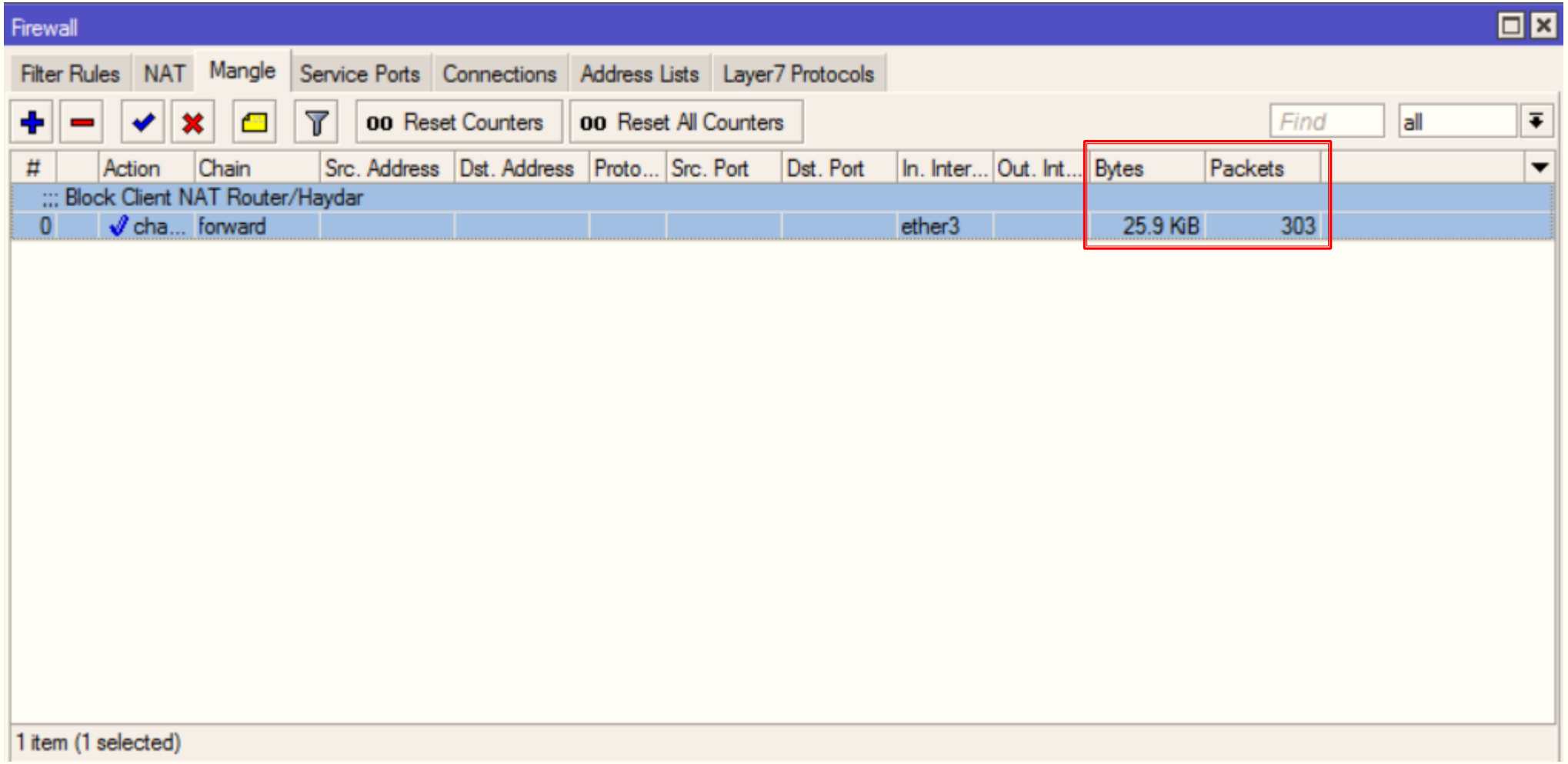


Verification in ISP Main Router



THE END

Source : https://aacable.wordpress.com/2014/03/07/blocking-client-router-access/