

# How to setup a hairpin to certain local server

I have a web server needs connection from external/internal location, but just opening a port, by NAT Port Forwarding, may not good enough as far as I experienced in MikroTik router - you cannot connect to your server by domain name. Following configuration enables you to connect to your local server by domain name like you do on external network.

RouterOS v6.45.7 (stable)

OK

Cancel

Apply

Remove

Reset Counters

not invalid

Enabled

☒

Chain

dstnat

Src. Address

▼

Dst. Address

▲

!

192.168.88.0/24

Protocol

▲

☐

6 (tcp)

▼

Src. Port

▼

Dst. Port

▲

☐

80

Any. Port

▼

In. Interface

▼

Note that you should check 

!

 like above

Src. Address Type	▼
Dst. Address Type	▲
Address Type	▼ local ▲
Invert	<input type="checkbox"/>
PSD	▼
Hotspot	▼
IP Fragment	▼
Action	▼ dst-nat ▼
Log	<input type="checkbox"/>
Log Prefix	▼
To Addresses	▲ 192.168.88.6
To Ports	▼

Comment	Service hairpin to .6
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To enable above on your MikroTik router, you should drag and drop as #1 item on your NAT list like below:

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Filter Rules NAT Mangle Raw Service Ports Connections Address Lists

Add New Reset All Counters

13 items

	#	Action	Chain	Src. Address	Dst. Address
;;; Service hairpin to .6					
- D	0	dst-nat	dstnat		!192.168.1
;;; defconf: masquerade					
- D	1	masquerade	srcnat		
;;; masq. vpn traffic					

To allow internal connection to your server directly, you should add NAT rule by IP Firewall NAT Add New

OK	Cancel	Apply	Remove	Reset Counters
not invalid				
Enabled		<input checked="" type="checkbox"/>		
Chain		dstnat ▼		
Src. Address		▼		
Dst. Address		▼		
Protocol		▲ <input type="checkbox"/> 6 (tcp) ▼		
Src. Port		▼		
Dst. Port		▲ <input type="checkbox"/> 80		
Any. Port		▼		
In. Interface		▲ <input type="checkbox"/> ether1-gateway ▼		

Action	dst-nat ▼
Log	<input type="checkbox"/>
Log Prefix	▼
To Addresses	▲ 192.168.89.6
To Ports	▲ 80