

## Port Forwarding on 2 routers

There is Router A with LAN subnet 192.168.2.1/24, which connects to internet via Cell mobile.

Router B connects to Router A with wired WAN, the WAN IP address is 192.168.2.152, and LAN subnet is 192.168.0.1.

PC A connects to Router B, which has IP address 192.168.0.10, and there is TCP server on PC A with TCP port 5000.

1. Configure Wired WAN of Router B. Set protocol to DHCP client or Static address, and the IP address is 192.168.2.152 for testing.

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### Interfaces - WAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter interfaces separated by spaces. You can also use VLAN notation INTERFACE.VLANNR (e.g.: eth0.1).


#### Common Configuration

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Status	 eth0.2	<b>Uptime:</b> 0h 6m 47s <b>MAC-Address:</b> 90:22:06:00:76:20 <b>RX:</b> 2.44 MB (7753 Pkts.) <b>TX:</b> 1.33 MB (5890 Pkts.) <b>IPv4:</b> 192.168.2.152/24 <b>IPv6:</b> fd11:468f:585c:0:9222:6ff:fe00:7620/64 <b>IPv6:</b> fd11:468f:585c::23c/128
Protocol	DHCP client	
Hostname to send when requesting DHCP	Cell_Router	

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## Interfaces

### Interface Overview

Network	Status
<b>IFMOBILE2</b> eth1	<b>MAC-Address:</b> 00:00:00:00:00:00 <b>RX:</b> 0.00 B (0 Pkts.) <b>TX:</b> 0.00 B (0 Pkts.)
<b>LAN</b> br-lan	<b>Uptime:</b> 0h 28m 59s <b>MAC-Address:</b> 90:22:06:80:76:20 <b>RX:</b> 629.50 KB (4231 Pkts.) <b>TX:</b> 2.31 MB (4051 Pkts.) <b>IPv4:</b> 192.168.0.1/24 <b>IPv6:</b> fd11:468f:585c:4::1/62 <b>IPv6:</b> fd49:b89:bf6a::1/60
<b>IFMOBILE</b> eth1	<b>MAC-Address:</b> 00:00:00:00:00:00 <b>RX:</b> 0.00 B (0 Pkts.) <b>TX:</b> 0.00 B (0 Pkts.)
<b>WAN</b> eth0.2	<b>Uptime:</b> 0h 6m 13s <b>MAC-Address:</b> 90:22:06:00:76:20 <b>RX:</b> 2.43 MB (7614 Pkts.) <b>TX:</b> 1.25 MB (5751 Pkts.) <b>IPv4:</b> 192.168.2.152/24 <b>IPv6:</b> fd11:468f:585c:0:9222:6ff:fe00:7620/64 <b>IPv6:</b> fd11:468f:585c::23c/128
<b>WAN6</b> eth0.2	<b>Uptime:</b> 0h 6m 5s <b>MAC-Address:</b> 90:22:06:00:76:20 <b>RX:</b> 2.43 MB (7614 Pkts.) <b>TX:</b> 1.25 MB (5751 Pkts.) <b>IPv4:</b> 192.168.2.152/24

- Add port forwarding on Router B, Fill External port and Interval port with 5000, the Internal IP address is 192.168.0.10, then click button “Add”, then click button “Save & Apply”.

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### Firewall - Port Forwards

Port forwarding allows remote computers on the Internet to connect to a specific computer or service within the private LAN.

#### Port Forwards

Name	Match	Forward to	Enable	Sort
This section contains no values yet				

New port forward:

Name	Protocol	External port	Internal IP address	Internal port	
5000	TCP+UDP	5000	192.168.0.10	5000	Add

Save & Apply
Save
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### Firewall - Port Forwards

Port forwarding allows remote computers on the Internet to connect to a specific computer or service within the private LAN.

#### Port Forwards

Name	Match	Forward to	Enable	Sort
5000	IPv4-TCP, UDP From any host in wan Via any router IP at port 5000	IP 192.168.0.10, port 5000 in lan	<input checked="" type="checkbox"/>	<div>+</div> <div>+</div> <div>Edit</div> <div>Delete</div>

New port forward:

Name	Protocol	External port	Internal IP address	Internal port
New port forward	TCP+UDP			

Add

Save & Apply

Save

Reset

- Configure mobile on Router A.
- Add a new rule of port forwarding on Router A. Fill External port and Interval port with 5000, the Internal IP address is 192.168.2.152, then click button "Add", then click button "Save & Apply".

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5000	TCP+UDP	5000	192.168.2.152	5000

Add

Save & Apply

Save

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5000	IPv4-TCP, UDP From any host in wan Via any router IP at port 5000	IP 192.168.2.152, port 5000 in lan	<input checked="" type="checkbox"/>	<div>+</div> <div>+</div> <div>Edit</div> <div>Delete</div>

New port forward:

Name	Protocol	External port	Internal IP address	Internal port
New port forward	TCP+UDP			

Add

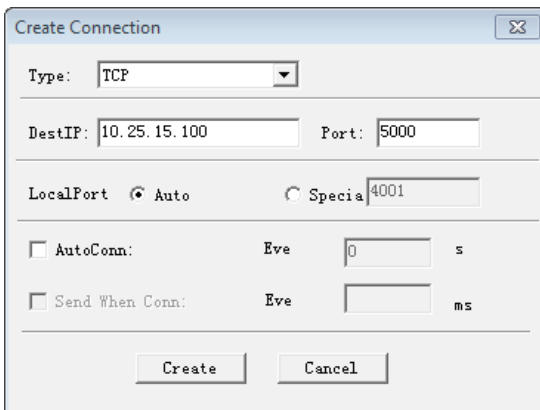
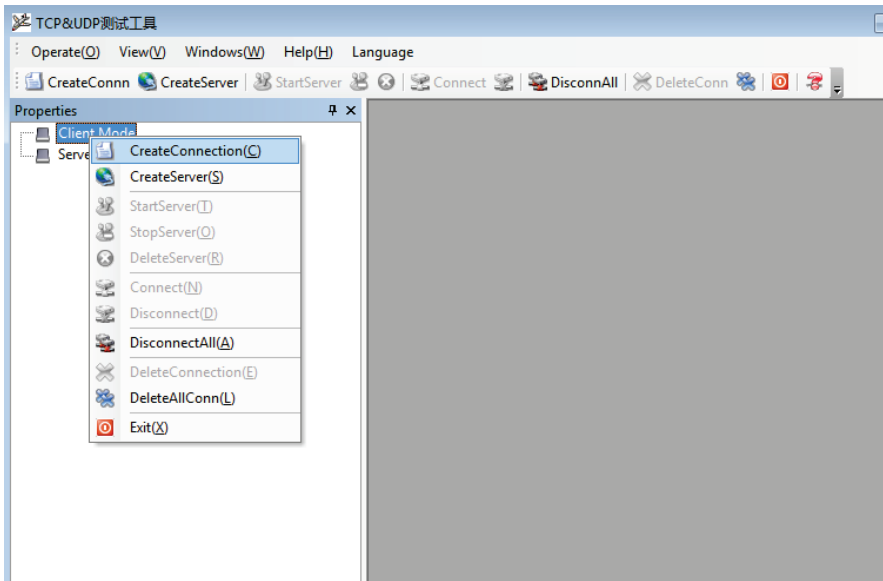
Save & Apply

Save

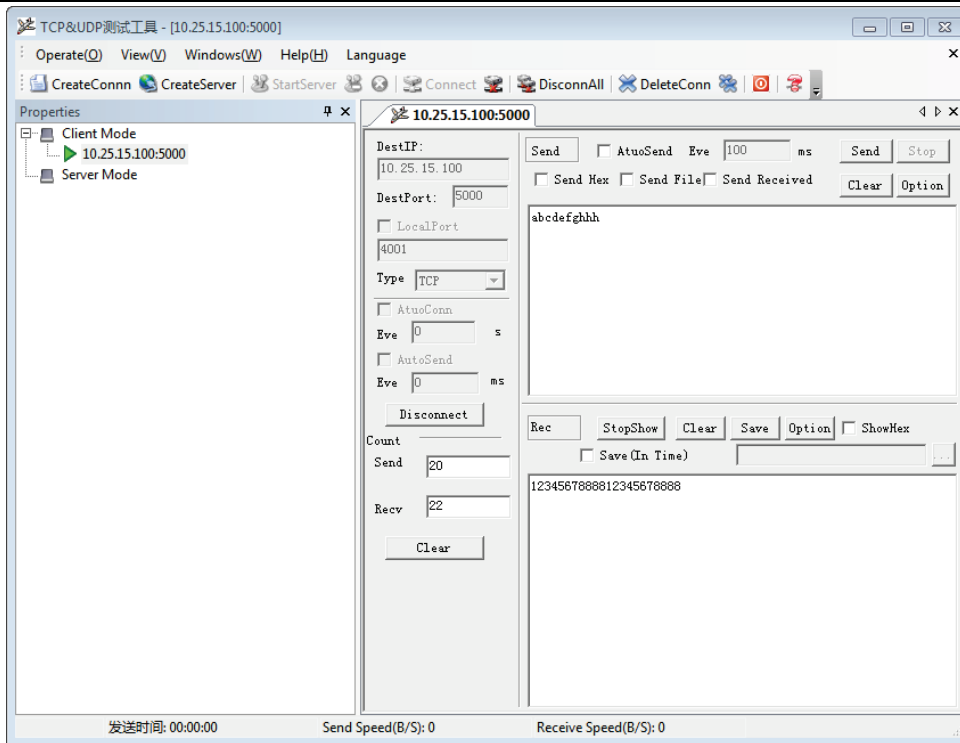
Reset

- Router A has IP address 10.25.15.100 on modem.
- Start TCP server on PC A with port 5000.

7. Start TCP&UDP DBG tool, create new connection.



8. Click button "Connect", after it is connected, click send button.



#### 9. Server side.

