

Mikrotik WireGuard client configuration

WireGuard VPN module **WISECP**

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Configuring Mikrotik as an WireGuard Client.

Make sure you have an up to date **routerOS** system.

Version must be at least: 7.6

```
[admin@VPN-CLIENT] > system package print
Columns: NAME, VERSION
# NAME      VERSION
0 routeros  7.6
```

Open a single-use shipment on the **WireGuard** section for the client's configuration request

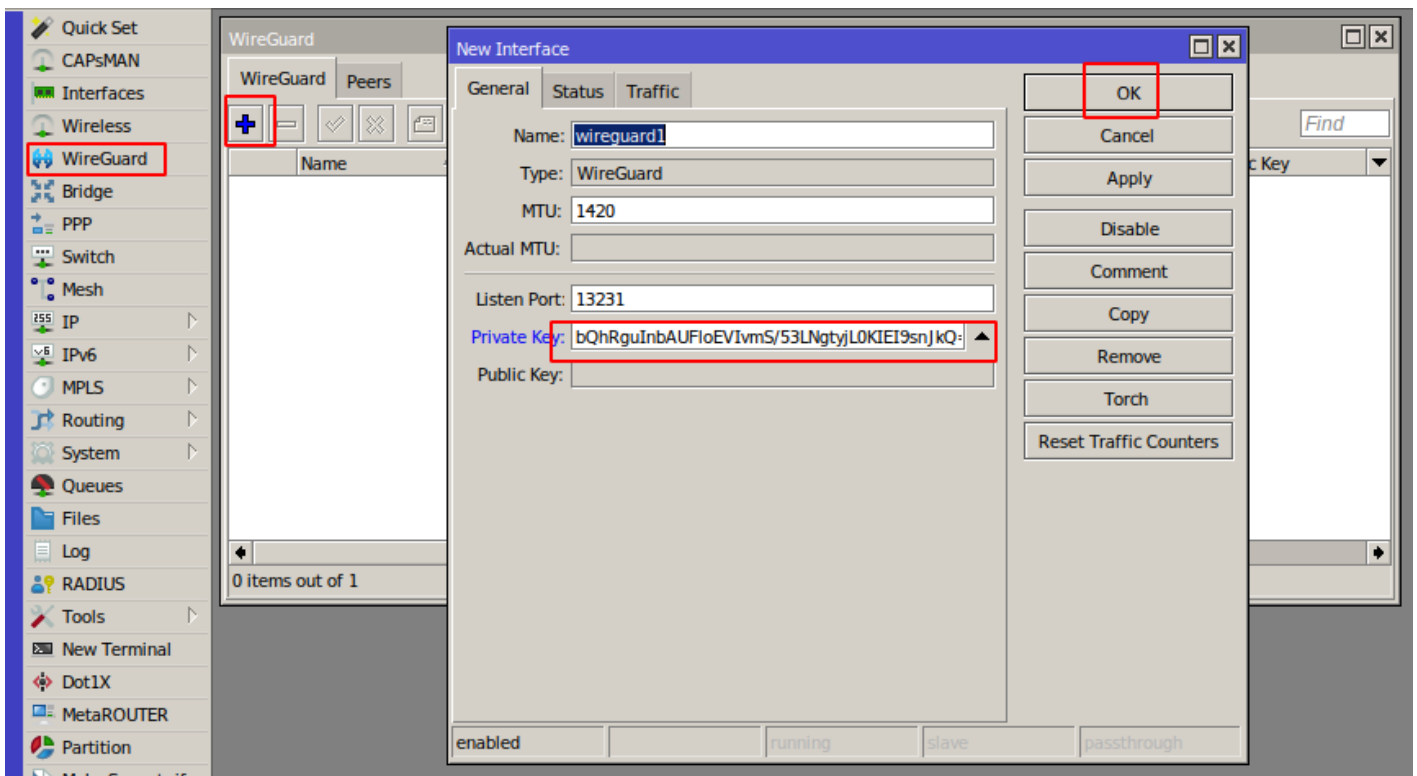
Download config file

```
[Interface]
Address = 10.0.110.15/24
DNS = 10.0.110.1,77.87.125.200
PrivateKey = KgbQhRguInbAUFloEVIvmS/53LNgtYjL0KIEI9snJkQ=

[Peer]
AllowedIPs = 0.0.0.0/0
PersistentKeepalive = 5
Endpoint = 77.87.125.200:51930
PublicKey = xbrwVHxNZ8UsjHQyyzFwm0Ey1UC+wwKQ0FG/cLoJh2w=
```

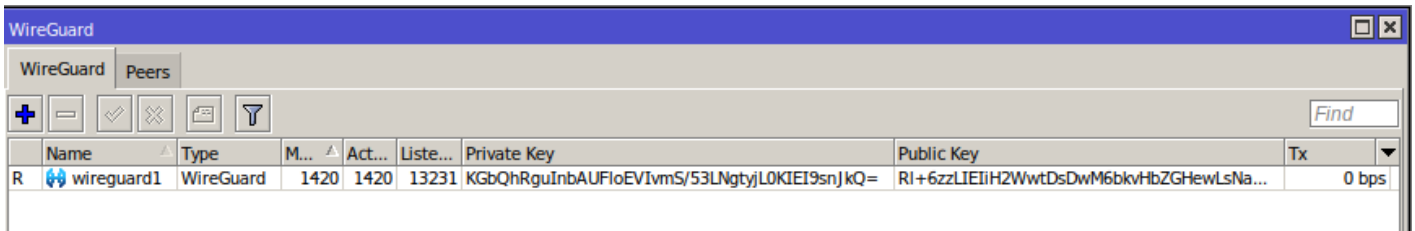
Login to Mikrotik via Winbox

Click on the menu item **WireGuard** In the window that opens, in the **WireGuard** tab, click the plus to add a new **WireGuard** interface



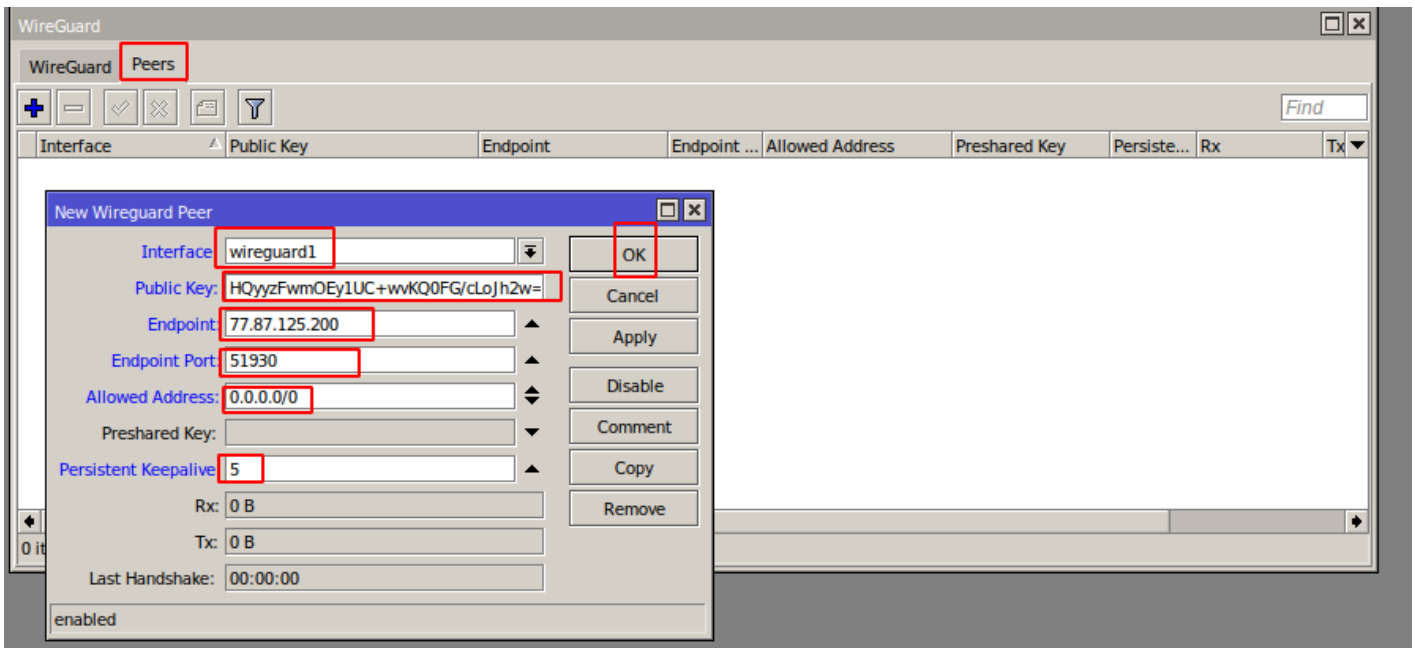
Copy the private key from the text configuration from the **[Interface]** section to the **PrivateKey** field in the **WireGuard** interface settings in **Mikrotik**

Click **OK** to create the interface



Go to the peers tab.

Click plus to add a new peer



Interface - Select the previously created **WireGuard** interface

Public key - Copy the public key from the text configuration from the **[Peer]** section to the Public key field

Endpoint - Copy the server **address** from the text configuration from the **[Peer]** section to the endpoint field

Endpoint Port - Copy the server **port** from the text configuration from the **[Peer]** section to the Endpoint Port field

Allowed Address - Copy **AllowedIPs** from the text configuration from the **[Peer]** section to the Allowed Address field

Persistent Keepalive - Copy the **PersistentKeepalive** from the text configuration from the **[Peer]** section to the Persistent Keepalive field

Click **OK** to create a peer

| Interface | Public Key | Endpoint | Endpoint ... | Allowed Add... | Preshared Key | Persiste... | Rx | Tx | Last Handsha... |
|------------|---------------------------|---------------|--------------|----------------|---------------|-------------|-------|-------|-----------------|
| wireguard1 | xbrwVHxNZ8U5jHQyyzFwmO... | 77.87.125.200 | 51930 | 0.0.0.0/0 | | 00:00:05 | 156 B | 388 B | 00:00:12 |

In order to have communication with the server, you need to set the address on the **WireGuard** interface

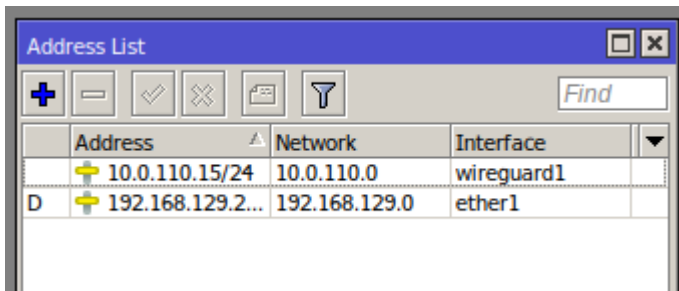
Go to the menu item **IP->Addresses** In the window that opens, click the plus to assign an IP address to the WireGuard interface

The screenshot shows the Mikrotik WinBox interface. The 'IP' menu is open, and 'Addresses' is selected. The 'Address List' window is open, showing a table with columns: Address, Network, Interface. One entry is visible: 192.168.129.2... / 192.168.129.0 on interface ether1. A 'New Address' dialog box is open, with 'Address' set to 10.0.110.15/24 and 'Interface' set to wireguard1.

Adresse - Copy the Address from the text configuration from the **[Interface]** section to the Address field

Interface - Select the previously created **WireGuard** interface

Press the OK button to confirm



| | Address | Network | Interface |
|---|------------------|---------------|------------|
| | 10.0.110.15/24 | 10.0.110.0 | wireguard1 |
| D | 192.168.129.2... | 192.168.129.0 | ether1 |

You also need to configure the traffic routes you need at your discretion.

Revision #1

Created 25 November 2023 12:01:02 by Ruslan

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