Setup Guide: Mikrotik Preparation and Configuration

Mikrotik WireGuard VPN module **WHMCS**

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Prerequisites

- **RouterOS version 7 or higher** is required.
- Access to the Mikrotik router via terminal (SSH, Winbox terminal, or WebFig terminal).

> **Important:** Enter the following commands one by one and wait for each command to complete before proceeding to the next.

Step I. Check RouterOS Version

Verify that your router is running RouterOS 7 or higher:

```
system/package/print
```

Step II. Create Root Certificate Authority

Create a local CA certificate for SSL:

```
/certificate add name=LocalCA common-name=LocalCA key-usage=key-cert-sign,crl-sign
```

Step III. Sign the CA Certificate

```
/certificate sign LocalCA
```

Step IV. Create Webfig Certificate

Replace `XXX.XXX.XXX.XXX` with the router's **public IP address**:

```
/certificate add name=Webfig common-name=XXX.XXX.XXX.XXX
```

Step V. Sign the Webfig Certificate

```
/certificate sign Webfig ca=LocalCA
```

Step VI. Enable SSL for the Web Interface

```

```

```
/ip service set www-ssl certificate=Webfig disabled=no
```

Step VII. Enable API-SSL

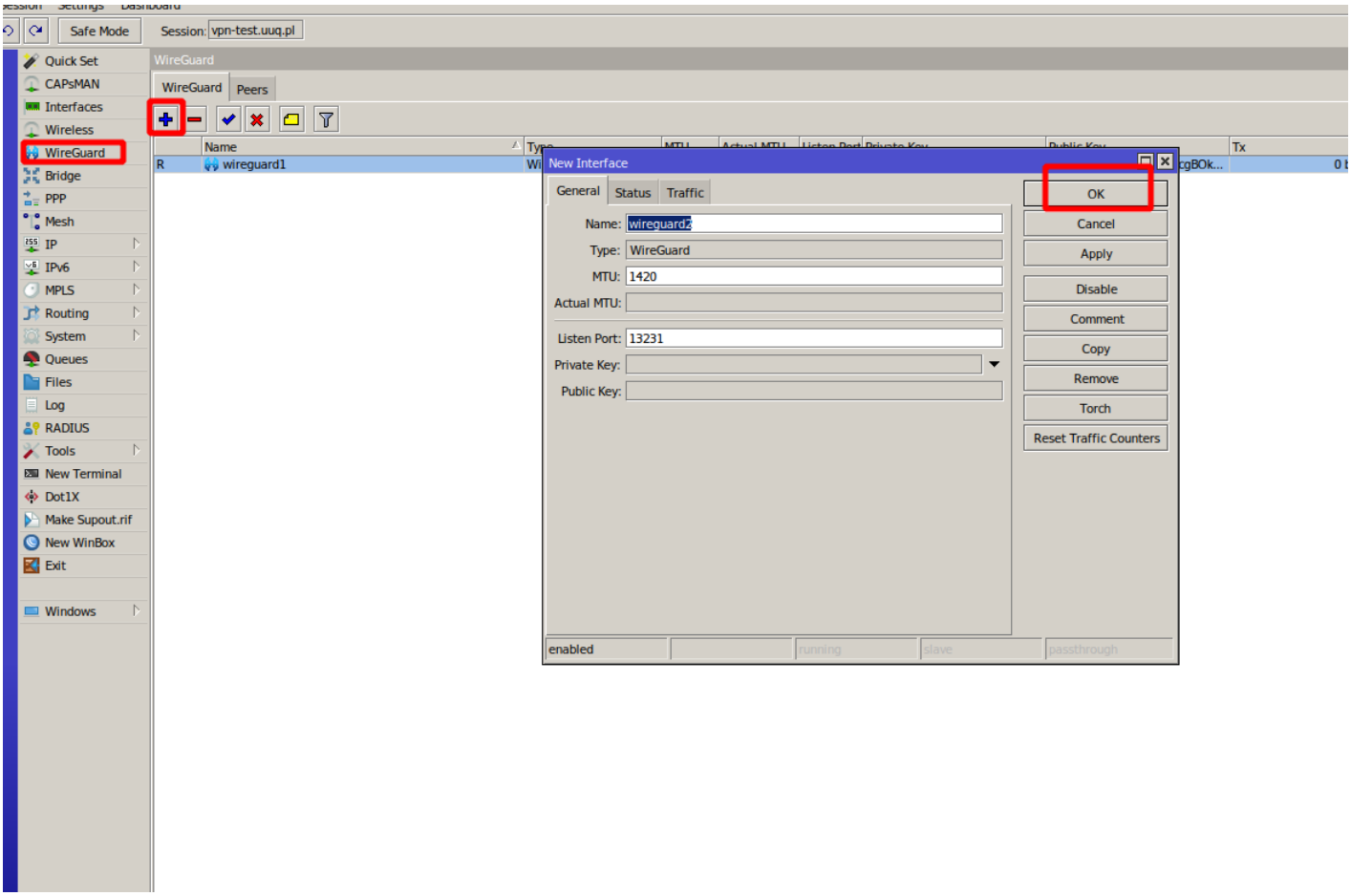
```
/ip service set api-ssl certificate=Webfig disabled=no
```

Step VIII. WireGuard VPN Server Setup

Create and enable the WireGuard VPN server interface through the RouterOS interface.

You can do this via Winbox or WebFig:

1. Navigate to **WireGuard** section
2. Click **Add New** (+)
3. Set the interface name (e.g., `wireguard1`)
4. Set the **Listen Port** (e.g., `13231`)
5. Enable the interface



mikrotik-wireguard-setup.png

Step IX. Configure Firewall, NAT and Routing

> **Important:** Please be aware that to ensure proper functionality of VPN connections, it is essential for you, as an administrator, to correctly configure the Mikrotik router. This entails configuring **NAT**, **Firewall**, **routing**, and all the required settings for VPN to operate correctly.

Example NAT masquerade rule (adjust to your network):

```
/ip firewall nat add chain=srcnat out-interface=ether1 action=masquerade
```

Example firewall rule to allow WireGuard traffic:

```
/ip firewall filter add chain=input protocol=udp dst-port=13231 action=accept comment="Allow WireGuard"
```

Next Steps

After completing the Mikrotik preparation, proceed to Add server (router Mikrotik) in WHMCS.

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