Step 1 — CA Certificate তৈরি (Root CA)

```
/certificate add name=ca-template common-name=myCA key-usage=key-cert-sign,crl-sign
/certificate sign ca-template
```

Step 2 — Web Certificate Template তৈরি

```
/certificate add name=web-template common-name=ITBD-Router key-usage=tls-server,digital-signature,key-encipherment
```

Step 3 — Web Certificate sign করা (CA দিয়ে)

```
/certificate sign web-template ca=ca-template
```

Step 4 — Certificate Router HTTPS সার্ভিসে Assign করা

```
/ip service set www-ssl certificate=web-template
```

Step 5 — HTTPS সার্ভিস নিশ্চিত করা

```
/ip service set www-ssl tls-version=only-1.2 disabled=no
```

Step 6 — Service Reload (Optional but Recommended)

```
/ip service disable www-ssl
/ip service enable www-ssl
```

Step 7 — Verification Commands

```
/certificate print
/ip service print detail
```

এখানে দেখতে হবে:

www-ssl → certificate=web-template

www-ssl → tls-version=only-1.2

web-template → K flag (private key present)

🎉 **Done — এখন HTTPS খুলবে:**

https://192.168.0.250

Browser প্রথমবার warning দেখাতে পারে (self-signed বলে), **Continue** দিলে access পাবা এবং আর কোনো mismatch error থাকবে না।

```
[admin@MikroTik] > /certificate add name=ca-template common-name=myCA key-usage=key-cert-sign,crl-sign
[admin@MikroTik] > /certificate sign ca-template
  progress: done

[admin@MikroTik] > /certificate add name=web-template common-name=ITBD-Router \
\... key-usage=tls-server,digital-signature,key-encipherment
[admin@MikroTik] >
[admin@MikroTik] > /certificate sign web-template ca=ca-template
  progress: done

[admin@MikroTik] > /ip service set www-ssl certificate=web-template
[admin@MikroTik] >
[admin@MikroTik] >
[admin@MikroTik] > /ip service set www-ssl tls-version=only-1.2 disabled=no
[admin@MikroTik] >
[admin@MikroTik] > /ip service disable www-ssl
[admin@MikroTik] > /ip service enable www-ssl
[admin@MikroTik] >
[admin@MikroTik] > ip service/ print
Columns: NAME, PORT, CERTIFICATE, VRF
# NAME       PORT  CERTIFICATE    VRF
0 telnet     23                   main
1 ftp        21
2 www        80                   main
3 ssh        22                   main
4 www-ssl    443   web-template   main
5 api        8728                 main
6 winbox     8291                 main
```


← C 🛡 Not secure https://192.168.0.250

Your connection isn't private

Attackers might be trying to steal your information from **192.168.0.250** (for example, passwords, messages, or credit cards).

NET::ERR_CERT_AUTHORITY_INVALID

Advanced   **Click Here**   Go back

This server couldn't prove that it's **192.168.0.250**; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker intercepting your connection.

Continue to 192.168.0.250 (unsafe)   Click Here

Hide advanced

Go back

Not secure   https://192.168.0.250

MIKROTIK

RouterOS

You have connected to a router. Administrative access only. If this device is not in your possession, please contact your local network administrator.

Login: admin
Password: ••••   Login

Winbox   Graphs   License   Help

© mikrotik

Not secure   https://192.168.0.250/webfig/#Quick_Set

MikroTik   Safe Mode   Quick Set   WebFig   Terminal

Ethernet Quick Se

Certificate Viewer: ITBD-Router   ×

General   Details

Issued To

Common Name (CN)   ITBD-Router
Organization (O)   <Not Part Of Certificate>
Organizational Unit (OU)   <Not Part Of Certificate>

Issued By

Common Name (CN)   myCA
Organization (O)   <Not Part Of Certificate>
Organizational Unit (OU)   <Not Part Of Certificate>

Validity Period

Issued On   Wednesday, December 10, 2025 at 6:03:26 PM
Expires On   Thursday, December 10, 2026 at 6:03:26 PM

SHA-256 Fingerprints

Certificate   6ea82af1bc3a7c4164546218ae3d669ac06d1a0060cc9f1cce443e1bf0af ce24
Public Key   2017c68c810d27878eec8d4488ed19fbe03f8993b8e048d39c21ad6653 7bd044

Configuration

Mode   ● Router ○ Bridge

Internet

Address Acquisition   ○ Static ● Automatic ○ PPPoE

IP Address   192.168.0.250

Netmask   255.255.255.0 (/24)

Gateway   192.168.0.1

MAC Address   00:15:5D:7B:19:62

Local Network

IP Address   0.0.0.0

Netmask   255.255.255.0 (/24)

DHCP Server   ☐

NAT   ☐

VPN

VPN Access   ☐

VPN Address   192.168.0.250

System

Renew   Release