

TLS



Automated Certification via Let's Encrypt

For automated TLS certificate management, Traefik integrates with Let's Encrypt. See detailed instructions in this [Let's Encrypt guide](#).

User-Defined Certificates

To add or remove TLS certificates dynamically, define them in the `tls.certificates` section of the dynamic configuration:

File (YAML)

```
# Dynamic configuration
tls:
  certificates:
    - certFile: /path/to/domain.cert
      keyFile: /path/to/domain.key
    - certFile: /path/to/other-domain.cert
      keyFile: /path/to/other-domain.key
```

File (TOML)

Note: In Kubernetes, certificates must be provided as secrets instead of using the file provider.

Certificates Stores

In Traefik, certificates are grouped in certificate stores:

File (YAML)

```
# Dynamic configuration
tls:
  stores:
    default: {}
```

By default, all certificates are stored in the `default` store. Any additional store definitions are ignored.

File (YAML): Specifying Certificate Stores

```
# Dynamic configuration
tls:
  certificates:
    - certFile: /path/to/domain.cert
      keyFile: /path/to/domain.key
  stores:
    - default
    - certFile: /path/to/other-domain.cert
      keyFile: /path/to/other-domain.key
```

Default Certificate

Traefik can use a default certificate for connections without SNI or matching domains. Define the default certificate in a TLS store:

File (YAML)

```
# Dynamic configuration
tls:
  stores:
    default:
      defaultCertificate:
        certFile: /path/to/cert.crt
        keyFile: /path/to/cert.key
```

ACME Default Certificate: Traefik can also generate a default certificate using an ACME provider:

File (YAML)

```
# Dynamic configuration
tls:
  stores:
    default:
      defaultGeneratedCert:
        resolver: myresolver
      domain:
        main: example.org
      sans:
        - foo.example.org
        - bar.example.org
```

TLS Options

The TLS options allow you to configure parameters of the TLS connection:

Default TLS Option

```
# Dynamic configuration
tls:
  options:
    default:
      minVersion: VersionTLS12
```

Minimum and Maximum TLS Version

```
# Dynamic configuration
tls:
  options:
    default:
      minVersion: VersionTLS12
      maxVersion: VersionTLS13
```

Cipher Suites

```
# Dynamic configuration
tls:
```

options:

default:

cipherSuites:

- TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256

For more information, refer to the [official Traefik documentation](#).

Revision #2

Created 12 September 2024 14:09:30 by aeoneros

Updated 12 January 2025 13:21:13 by aeoneros