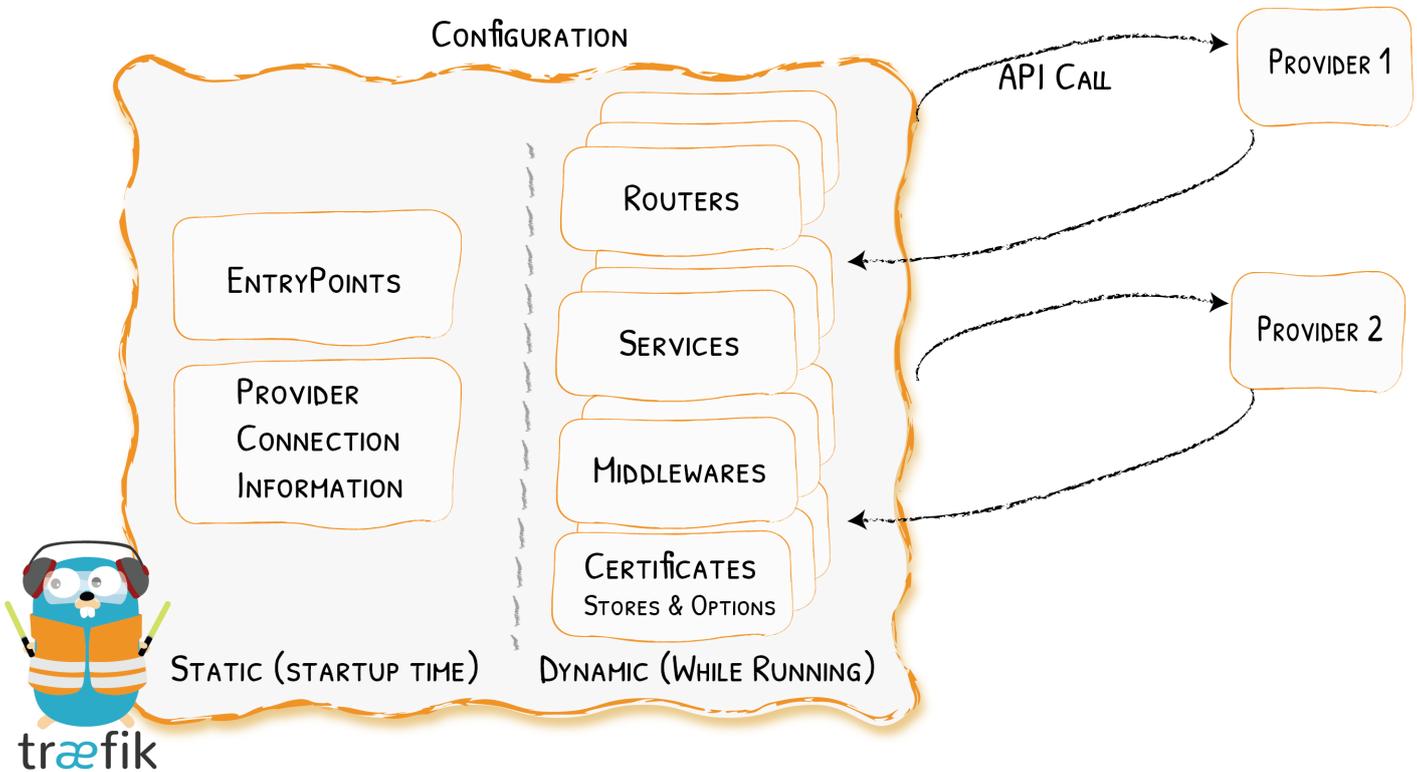


# Configuration Introduction



Configuration in Traefik can refer to two different things:

- The fully dynamic routing configuration (referred to as the *dynamic configuration*)
- The startup configuration (referred to as the *static configuration*)

Elements in the *static configuration* set up connections to providers and define the entrypoints Traefik will listen to (these elements don't change often).

The *dynamic configuration* contains everything that defines how the requests are handled by your system. This configuration can change and is seamlessly hot-reloaded, without any request interruption or connection loss.

### Incompatible Configuration

Please be aware that the old configurations for Traefik v1.x are NOT compatible with the v2.x config as of now. If you are running v2, please ensure you are using a v2 configuration. Old configurations fro Traefik v2.x are NOT compatible.

# The Static Configuration

There are three different, **mutually exclusive** (i.e. you can use only one at the same time), ways to define static configuration options in Traefik:

1. In a configuration file
2. In the command-line arguments
3. As environment variables

These ways are evaluated in the order listed above.

If no value was provided for a given option, a default value applies. Moreover, if an option has sub-options, and any of these sub-options is not specified, a default value will apply as well.

For example, the `--providers.docker` option is enough by itself to enable the docker provider, even though sub-options like `--providers.docker.endpoint` exist. Once positioned, this option sets (and resets) all the default values of the sub-options of `--providers.docker`.

Static files can be Configured in Format of TOML or YAML Format

See More about configuring the Static Config in this Wiki Post: [Static Configuration File](#)

See More about configuring the Static Config in this Wiki Post: [Static Configuration File](#)

# The Dynamic Configuration

Traefik gets its *dynamic configuration* from providers: whether an orchestrator, a service registry, or a plain old configuration file.

Since this configuration is specific to your infrastructure choices, we invite you to refer to the dedicated section of this documentation.

Configuring Your Routers, Middlewares etc can be done in multiple ways. Either you can add Traefik Labels directly into your Application Docker Compose files Like this Format (- 'traefik.http.routers.bookstack.entrypoints=websecure') But they also can also be configured in Dynamic files. It's a Choice of what you prefer.

See More about configuring the Dynamic Config in this Wiki Post: [Dynamic Configuration Files](#)

Dynamic files can be Configured in Format of TOML or YAML Format

See More about configuring the Dynamic Config in this Wiki Post: [Dynamic Configuration Files](#)

**HTTPS Certificates also belong to the dynamic configuration.**

You can add / update / remove them without restarting your Traefik instance like mentioned in the beginning of this Post.

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