Traefik Consul Documentation

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Traefik & Consul

Configuration Example

You can enable the Consul provider as detailed below:

File (YAML)

```
providers:
  consul: {}
```

File (TOML)

```
[providers.consul]
```

CLI

```
--providers.consul=true
```

Configuration Options

Field	Description	Default	Required
`providers.providersThrottleDuration`	Minimum amount of time to wait for, after a configuration reload, before taking into account any new configuration refresh event. If multiple events occur within this time, only the most recent one is taken into account, and all others are discarded. **This option cannot be set per provider, but the throttling algorithm applies to each of them independently.**	2s	No
`providers.consul.endpoints`	Defines the endpoint to access Consul.	"127.0.0.1:8500"	yes
`providers.consul.rootKey`	Defines the root key of the configuration.	"traefik"	yes
`providers.consul.namespaces`	Defines the namespaces to query. See here for more information	""	no
`providers.consul.token`	Defines a token with which to connect to Consul.	""	no
`providers.consul.tls`	Defines the TLS configuration used for the secure connection to Consul	-	No
`providers.consul.tls.ca`	Defines the path to the certificate authority used for the secure connection to Consul, it defaults to the system bundle.	-	Yes
`providers.consul.tls.cert`	Defines the path to the public certificate used for the secure connection to Consul. When using this option, setting the `key` option is required.	-	Yes

Field	Description	Default	Required
`providers.consul.tls.key`	Defines the path to the private key used for the secure connection to Consul. When using this option, setting the `cert` option is required.	-	Yes
`providers.consul.tls.insecureSkipVerify`	Instructs the provider to accept any certificate presented by Consul when establishing a TLS connection, regardless of the hostnames the certificate covers.	false	No

namespaces

The `namespaces` option defines the namespaces to query. When using the `namespaces` option, the discovered configuration object names will be suffixed as shown below:

```
<resource-name>@consul-<namespace>
```

> **Warning**
>
> The namespaces option only works with Consul Enterprise, which provides the Namespaces feature.

> **Warning**
>
> One should only define either the `namespaces` option or the `namespace` option.

File (YAML)

```yaml
providers:
  consul:
    namespaces:
      - "ns1"
      - "ns2"
    # ...
```

File (TOML)

```
[providers.consul]
  namespaces = ["ns1", "ns2"]
  # ...
```

CLI

```
--providers.consul.namespaces=ns1,ns2
# ...
```

Routing Configuration

See the dedicated section in routing.

□□□ #3
□ □□□ □□□ 2026-10-31 14:01:00 UTC
□ cocobook-sync □□□ 2026-11-05 04:17:06 UTC