

Kubernetes MiddlewareTCP



- [Configuration Example](#)

MiddlewareTCP is the CRD implementation of a [Traefik TCP middleware](#).

Before creating MiddlewareTCP objects, you need to apply the [Traefik Kubernetes CRDs](#) to your Kubernetes cluster.

This registers the MiddlewareTCP kind and other Traefik-specific resources.

!!! tip "Cross-provider namespace" As Kubernetes also has its own notion of namespace, one should not confuse the kubernetes namespace of a resource (in the reference to the middleware) with the [provider namespace](#), when the definition of the middleware comes from another provider. In this context, specifying a namespace when referring to the resource does not make any sense, and will be ignored. Additionally, when you want to reference a Middleware from the CRD Provider, you have to append the namespace of the resource in the resource-name as Traefik appends the namespace internally automatically.

Configuration Example

```
apiVersion: traefik.io/v1alpha1
kind: MiddlewareTCP
metadata:
  name: ipallowlist
spec:
  ipAllowList:
    sourceRange:
      - 127.0.0.1/32
      - 192.168.1.7
```

```
apiVersion: traefik.io/v1alpha1
kind: IngressRouteTCP
metadata:
```

```
name: ingressroutebar
```

```
spec:
```

```
  entryPoints:
```

```
    - web
```

```
  routes:
```

```
    - match: HostSNI(`example.com`)
```

```
      kind: Rule
```

```
      services:
```

```
        - name: whoami
```

```
          port: 80
```

```
      middlewares:
```

```
        - name: ipallowlist
```

```
          namespace: foo
```

More information about available TCP middlewares in the dedicated [middlewares section](#).

```
## #2
```

```
  ##  ## 2026-10-31 14:04:51 UTC
```

```
  ##  ## 2026-10-31 14:04:52 UTC
```