

# Cisco ASA Provider

The Cisco ASA provider is used to interact with Cisco ASA hardware devices or the Cisco ASAv virtual appliance. The provider needs to be configured with the proper credentials before it can be used.

Use the navigation to the left to read about the available resources.

## Example Usage

---

```
provider "ciscoasa" {  
  api_url      = "https://10.0.0.5"  
  username     = "admin"  
  password     = # your password here  
  ssl_no_verify = false  
}
```

## Configuration Reference

---

The following keys can be used to configure the provider.

- `api_url` - (Required) URL of the API for the ASA Firewall. This is typically not enabled by default, please refer to the Cisco documentation (<https://www.cisco.com/c/en/us/td/docs/security/asa/api/qsg-asa-api.html>) for how to enable it.

This can also be set as the `CISCOASA_API_URL` environment variable.

- `username` - (Required) The username for logging in to the API.

This can also be set as the `CISCOASA_USERNAME` environment variable.

- `password` - (Required) The password for logging in to the API.

This can also be set as the `CISCOASA_PASSWORD` environment variable.

- `ssl_no_verify` - (Required) A flag indicating whether or not to verify the TLS certificate.

This can also be set as the `CISCOASA_SSLNOVERIFY` environment variable.

# ciscoasa\_access\_in\_rules

Provides Cisco ASA inbound access rule. Inbound access rules apply to traffic as it enters an interface. Global access rules are always inbound.

## Example Usage

---

```
resource "ciscoasa_access_in_rules" "foo" {
  interface = "inside"
  rule {
    source          = "192.168.10.5/32"
    destination     = "192.168.15.0/25"
    destination_service = "tcp/443"
  }
  rule {
    source          = "192.168.10.0/24"
    source_service  = "udp"
    destination     = "192.168.15.6/32"
    destination_service = "udp/53"
  }
  rule {
    source          = "192.168.10.0/23"
    destination     = "192.168.12.0/23"
    destination_service = "icmp/0"
  }
}
```

## Argument Reference

---

The following arguments are supported:

- `interface` - (Required)
- `rule` - (Required) One or more `rule` elements as defined below.
- `managed` - (Optional) Default `false`.

`rule` supports the following:

- `destination_service` - (Required)
- `destination` - (Required)
- `source` - (Required)
- `active` - (Optional) Default `true`.
- `permit` - (Optional) Default `true`.
- `source_service` - (Optional)

- id -(Computed)

# ciscoasa\_access\_out\_rules

Provides a Cisco ASA outbound access rule. Outbound access rules apply to traffic as it exits an interface.

## Example Usage

---

```
resource "ciscoasa_access_out_rules" "foo" {
  interface = "inside"
  rule {
    source           = "192.168.10.5/32"
    destination      = "192.168.15.0/25"
    destination_service = "tcp/443"
  }
  rule {
    source           = "192.168.10.0/24"
    source_service   = "udp"
    destination      = "192.168.15.6/32"
    destination_service = "udp/53"
  }
  rule {
    source           = "192.168.10.0/23"
    destination      = "192.168.12.0/23"
    destination_service = "icmp/0"
  }
}
```

## Argument Reference

---

The following arguments are supported:

- `interface` - (Required)
- `rule` - (Required) One or more `rule` elements as defined below.
- `managed` - (Optional) Default `false`.

`rule` supports the following:

- `destination_service` - (Required)
- `destination` - (Required)
- `source` - (Required)
- `active` - (Optional) Default `true`.
- `permit` - (Optional) Default `true`.
- `source_service` - (Optional)

- id -(Computed)

# ciscoasa\_acl

Provides a Cisco ASA ACL resource.

## Example Usage

---

```
resource "ciscoasa_acl" "foo" {
  name = "aclname"
  rule {
    source           = "192.168.10.5/32"
    destination      = "192.168.15.0/25"
    destination_service = "tcp/443"
  }
  rule {
    source           = "192.168.10.0/24"
    source_service    = "udp"
    destination      = "192.168.15.6/32"
    destination_service = "udp/53"
  }
  rule {
    source           = "192.168.10.0/23"
    destination      = "192.168.12.0/23"
    destination_service = "icmp/0"
  }
}
```

## Argument Reference

---

The following arguments are supported:

- `name` - (Required) The name of the ACL.
- `rule` - (Required) One or more `rule` elements as defined below.

`rule` supports the following:

- `destination_service` - (Required)
- `destination` - (Required)
- `source` - (Required)
- `active` - (Optional) Default `true`.
- `log_interval` - (Optional) Default `300`.
- `log_status` - (Optional) Must be one of `Default`, `Debugging`, `Disabled`, `Notifications`, `Critical`, `Emergencies`, `Warnings`, `Errors`, `Informational`, `Alerts`. Default `Default`.
- `permit` - (Optional) Default `true`.

- remarks - (Optional)
- source\_service - (Optional)
- id - (Computed)

# ciscoasa\_network\_object\_group

Provides a Cisco ASA Network Object Group.

## Example Usage

---

```
resource "ciscoasa_network_object" "ipv4host" {
  name = "my_object"
  value = "192.168.10.5"
}

resource "ciscoasa_network_object_group" "objgrp_mixed" {
  name = "my_group"

  members = [
    "${ciscoasa_network_object.obj_ipv4host.name}",
    "192.168.10.15",
    "10.5.10.0/24",
  ]
}
```

## Argument Reference

---

The following arguments are supported:

- `name` - (Required) The name of the group.
- `members` - (Required) The list of the group members.

# ciscoasa\_network\_object

Provides a Cisco ASA Network Object resource.

## Example Usage

---

```
resource "ciscoasa_network_object" "ipv4host" {
  name = "ipv4_host"
  value = "192.168.10.5"
}
resource "ciscoasa_network_object" "ipv4range" {
  name = "ipv4_range"
  value = "192.168.10.5-192.168.10.15"
}
resource "ciscoasa_network_object" "ipv4_subnet" {
  name = "ipv4_subnet"
  value = "192.168.10.128/25"
}
```

## Argument Reference

---

The following arguments are supported:

- `name` - (Required) The name of the group.
- `value` - (Required) The value representing the object. This can be a single host, a range of hosts ( `<ip>-<ip>` ), or a CIDR.

# ciscoasa\_network\_service\_group

Provides a Cisco ASA Network Service Group.

## Example Usage

---

```
resource "ciscoasa_network_service_group" "service_group" {
  name = "service_group"

  members = [
    "tcp/80",
    "udp/53",
    "tcp/6001-6500",
    "icmp/0",
  ]
}
```

## Argument Reference

---

The following arguments are supported:

- `name` - (Required) The name of the group.
- `members` - (Required) The list of the group members.

# ciscoasa\_static\_route

Provides a Cisco ASA static route resource.

## Example Usage

---

```
resource "ciscoasa_static_route" "ipv4_static_route" {
  interface = "inside"
  network   = "10.254.0.0/16"
  gateway   = "192.168.10.20"
}

resource "ciscoasa_static_route" "ipv6_static_route" {
  interface = "inside"
  network   = "fd01:1337::/64"
  gateway   = "fd01:1338::1"
}
```

## Argument Reference

---

The following arguments are supported:

- `interface` - (Required) The name of the interface.
- `network` - (Required)
- `gateway` - (Required)
- `metric` - (Optional) Default 1.
- `tracked` - (Optional) Default false.
- `tunneled` - (Optional) Default false.