Application Centric Infrastructure (ACI)

The Cisco Application Centric Infrastructure (ACI) allows application requirements to define the network. This architecture simplifies, optimizes, and accelerates the entire application deployment life cycle.

Application Policy Infrastructure Controller (APIC)

The APIC manages the scalable ACI multi-tenant fabric. The APIC provides a unified point of automation and management, policy programming, application deployment, and health monitoring for the fabric. The APIC, which is implemented as a replicated synchronized clustered controller, optimizes performance, supports any application anywhere, and provides unified operation of the physical and virtual infrastructure. The APIC enables network administrators to easily define the optimal network for applications. Data center operators can clearly see how applications consume network resources, easily isolate and troubleshoot application and infrastructure problems, and monitor and profile resource usage patterns. The Cisco Application Policy Infrastructure Controller (APIC) API enables applications to directly connect with a secure, shared, high-performance resource pool that includes network, compute, and storage capabilities.

Cisco ACI Provider

The Cisco ACI terraform provider is used to interact with resources provided by Cisco APIC. The provider needs to be configured with proper credentials to authenticate with Cisco APIC.

Authentication

The Provider supports authentication with Cisco APIC in 2 ways:

1. Authentication with user-id and password.
   example:

```
provider "aci" {
   # cisco-aci user name
   username = "admin"
   # cisco-aci password
   password = "password"
   # cisco-aci url
   url      = "https://my-cisco-aci.com"
   insecure = true
}
```

In this method, it will obtain an authentication token from Cisco APIC and will use that token to authenticate. A limitation with this approach is APIC counts the request to authenticate and threshold it to avoid DOS attack. After too many attempts this authentication method may fail as the threshold will be exceeded.
To avoid the above-mentioned problem Cisco APIC supports signature-based authentication.

1. Signature Based authentication.
    - x509 certificate has been created and added it to the user in Cisco APIC.
    - With the help of private key that has been used to calculate the certificate, a signature has been calculated and passed with the request. This signature will be used to authenticate the user.
      example.

```
provider "aci" {
    # cisco-aci user name
    username = "admin"
    # private key path
    private_key = "path to private key"
    # Certificate Name
    cert_name = "certificate.crt"
    # cisco-aci url
    url      = "https://my-cisco-aci.com"
    insecure = true
}
```

How to add Certificate to the Cisco APIC local user

- Generate certificate via below command.

```
$ openssl req -new -newkey rsa:1024 -days 36500 -nodes -x509 -keyout admin.key -out admin.crt -su
bj '/CN=Admin/O=Your Company/C=US'
```

- Add the X.509 certificate to your ACI AAA local user at ADMIN » AAA.
- Click AAA Authentication. Check that in the Authentication field the Realm field displays Local.
- Expand Security Management » Local Users Click the name of the user you want to add a certificate to, in the User Certificates area Click the + sign and in the Create X509 Certificate enter a certificate name in the Name field. Copy and paste your X.509 certificate in the Data field.

Example Usage

```
#configure provider with your cisco aci credentials.
provider "aci" {
  # cisco-aci user name
  username = "admin"
  # cisco-aci password
  password = "password"
  # cisco-aci url
  url      = "https://my-cisco-aci.com"
  insecure = true
}

resource "aci_tenant" "test-tenant" {
  name        = "test-tenant"
  description = "This tenant is created by terraform"
}

resource "aci_application_profile" "test-app" {
  tanent_dn   = "${aci_tenant.test-tenant.id}"
  name        = "test-app"
  description = "This app profile is created by terraform"
}
```

Argument Reference

Following arguments are supported with Cisco ACI terraform provider.

- `username` - (Required) This is the Cisco APIC username, which is required to authenticate with CISCO APIC.
- `password` - (Optional) Password of the user mentioned in username argument. It is required when you want to use token-based authentication.
- `private-key` - (Optional) Path to the private key for which x509 certificate has been calculated for the user mentioned in `username`.
- `url` - (Required) URL for CISCO APIC.
- `insecure` - (Optional) This determines whether to use insecure HTTP connection or not. Default value is `true`.

NOTE: `password` or `private-key` either of one is required.

aci_x509_certificate

Data source for ACI X509 Certificate

Example Usage

```
data "aci_x509_certificate" "example" {

  local_user_dn  = "${aci_local_user.example.id}"

  name  = "example"
}
```

Argument Reference

- `local_user_dn` - (Required) Distinguished name of parent LocalUser object.
- `name` - (Required) name of Object x509_certificate.

Attribute Reference

- `id` - Attribute id set to the Dn of the X509 Certificate.
- `annotation` - (Optional) annotation for object x509_certificate.
- `data` - (Optional) data from the user certificate
- `name_alias` - (Optional) name_alias for object x509_certificate.

aci_local_user

Data source for ACI Local User

Example Usage

```
data "aci_local_user" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object local_user.

Attribute Reference

- `id` - Attribute id set to the Dn of the Local User.
- `account_status` - (Optional) local AAA user account status
- `annotation` - (Optional) annotation for object local_user.
- `cert_attribute` - (Optional) cert_attribute for object local_user.
- `clear_pwd_history` - (Optional) clear password history of local user
- `email` - (Optional) email address of the local user
- `expiration` - (Optional) local user account expiration date
- `expires` - (Optional) enables local user account expiration
- `first_name` - (Optional) first name of the local user
- `last_name` - (Optional) last name of the local user
- `name_alias` - (Optional) name_alias for object local_user.
- `otpenable` - (Optional) otpenable for object local_user.

- `otpkey` - (Optional) otpkey for object local_user.
- `phone` - (Optional) phone number of the local user
- `pwd` - (Optional) system user password
- `pwd_life_time` - (Optional) lifetime of the local user password
- `pwd_update_required` - (Optional) pwd_update_required for object local_user.
- `rbac_string` - (Optional) rbac_string for object local_user.
- `unix_user_id` - (Optional) UNIX identifier of the local user

aci_cdp_interface_policy

Data source for ACI CDP Interface Policy

Example Usage

```
data "aci_cdp_interface_policy" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object cdp_interface_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the CDP Interface Policy.
- `admin_st` - (Optional) administrative state
- `annotation` - (Optional) annotation for object cdp_interface_policy.
- `name_alias` - (Optional) name_alias for object cdp_interface_policy.

aci_cloud_applicationcontainer

Data source for ACI Cloud Application container

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_cloud_applicationcontainer" "sample_app" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
  name       = "demo_cloud_app"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object cloud_applicationcontainer.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud Application container.
- `annotation` - (Optional) annotation for object cloud_applicationcontainer.
- `name_alias` - (Optional) name_alias for object cloud_applicationcontainer.

aci_cloud_aws_provider

Data source for ACI Cloud AWS Provider

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_cloud_aws_provider" "aws_prov" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud AWS Provider.
- `access_key_id` - (Optional) access_key_id for object cloud_aws_provider.
- `account_id` - (Optional) account_id for object cloud_aws_provider.
- `annotation` - (Optional) annotation for object cloud_aws_provider.
- `email` - (Optional) email address of the local user
- `http_proxy` - (Optional) http_proxy for object cloud_aws_provider.
- `is_account_in_org` - (Optional) is_account_in_org for object cloud_aws_provider.
- `is_trusted` - (Optional) is_trusted for object cloud_aws_provider.
- `name_alias` - (Optional) name_alias for object cloud_aws_provider.
- `provider_id` - (Optional) provider_id for object cloud_aws_provider.
- `region` - (Optional) region for object cloud_aws_provider.
- `secret_access_key` - (Optional) secret_access_key for object cloud_aws_provider.

aci_autonomous_system_profile

Data source for ACI Autonomous System Profile

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_autonomous_system_profile" "auto_prof" {
}
```

Argument Reference

This data source don't have any arguments.

Attribute Reference

- `id` - Attribute id set to the Dn of the Autonomous System Profile.
- `annotation` - (Optional) annotation for object autonomous_system_profile.
- `asn` - (Optional) A number that uniquely identifies an autonomous system.
- `name_alias` - (Optional) name_alias for object autonomous_system_profile.

aci_cloud_cidr_pool

Data source for ACI Cloud CIDR Pool.

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_cloud_cidr_pool" "dev_cloud_cidr" {

  cloud_context_profile_dn  = "${aci_cloud_context_profile.dev_ctx_prof.id}"
  addr  = "10.0.1.10/28"
}
```

Argument Reference

- `cloud_context_profile_dn` - (Required) Distinguished name of parent CloudContextProfile object.
- `addr` - (Required) CIDR IPv4 block.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud CIDR Pool.
- `annotation` - (Optional) annotation for object cloud_cidr_pool.
- `name_alias` - (Optional) name_alias for object cloud_cidr_pool.
- `primary` - (Optional) This will represent whether CIDR is primary CIDR or not.

aci_cloud_context_profile

Data source for ACI Cloud Context Profile **Note: This resource is supported in Cloud APIC only.**

Example Usage

```
data "aci_cloud_context_profile" "sample_prof" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
  name       = "demo_cloud_ctx_prof"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object cloud-ctx-profile.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud Context profile.
- `annotation` - annotation for object Cloud Context profile.
- `name_alias` - name_alias for object Cloud Context Profile.
- `type` - The specific type of the object or component.
- `primary_cidr` - Primary CIDR block of Cloud Context profile.
- `region` - AWS region in which profile is created.

aci_cloud_domain_profile

Data source for ACI Cloud Domain Profile

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_cloud_domain_profile" "default_domp" {

}
```

Argument Reference

This data source doesn't require any arguments.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud Domain Profile.
- `annotation` - (Optional) annotation for object cloud_domain_profile.
- `name_alias` - (Optional) name_alias for object cloud_domain_profile.
- `site_id` - (Optional) site_id for object cloud_domain_profile.

aci_cloud_epg

Data source for ACI Cloud EPg

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_cloud_epg" "dev_epg" {
  cloud_applicationcontainer_dn  = "${aci_cloud_applicationcontainer.sample_app.id}"
  name                           = "cloud_dev_epg"
}
```

Argument Reference

- `cloud_applicationcontainer_dn` - (Required) Distinguished name of parent CloudApplicationcontainer object.
- `name` - (Required) name of Object cloud_epg.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud EPg.
- `annotation` - (Optional) annotation for object cloud_epg.
- `exception_tag` - (Optional) exception_tag for object cloud_epg.
- `flood_on_encap` - (Optional) Control at EPG level if the traffic L2 Multicast/Broadcast and Link Local Layer should be flooded only on ENCAP or based on bridg-domain settings.
- `match_t` - (Optional) The provider label match criteria.
- `name_alias` - (Optional) name_alias for object cloud_epg.
- `pref_gr_memb` - (Optional) Represents parameter used to determine if EPg is part of a group that does not a contract for communication.
- `prio` - (Optional) qos priority class id.

aci_cloud_endpoint_selector

Data source for ACI Cloud Endpoint Selector

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_cloud_endpoint_selector" "dev_ep_select" {

  cloud_epg_dn  = "${aci_cloud_epg.dev_epg.id}"
  name           = "dev_ep_select"
}
```

Argument Reference

- `cloud_epg_dn` - (Required) Distinguished name of parent CloudEPg object.
- `name` - (Required) name of Object cloud_endpoint_selector.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud Endpoint Selector.
- `annotation` - (Optional) annotation for object cloud_endpoint_selector.
- `match_expression` - (Optional) Match expression for the endpoint selector to select EP on criteria.
- `name_alias` - (Optional) name_alias for object cloud_endpoint_selector.

aci_cloud_external_epg

Data source for ACI Cloud External EPg

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_cloud_external_epg" "foo_ext_epg" {

  cloud_applicationcontainer_dn  = "${aci_cloud_applicationcontainer.sample_app.id}"
  name                           = "dev_ext_epg"
}
```

Argument Reference

- `cloud_applicationcontainer_dn` - (Required) Distinguished name of parent CloudApplicationcontainer object.
- `name` - (Required) name of Object cloud_external_epg.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud External EPg.
- `annotation` - (Optional) annotation for object cloud_external_epg.
- `exception_tag` - (Optional) exception_tag for object cloud_external_epg.
- `flood_on_encap` - (Optional) Control at EPG level if the traffic L2 Multicast/Broadcast and Link Local Layer should be flooded only on ENCAP or based on bridg-domain settings.
- `match_t` - (Optional) The provider label match criteria.
- `name_alias` - (Optional) name_alias for object cloud_external_epg.
- `pref_gr_memb` - (Optional) Represents parameter used to determine if EPg is part of a group that does not a contract for communication.
- `prio` - (Optional) qos priority class id.
- `route_reachability` - (Optional) Route reachability for this EPG.

aci_cloud_endpoint_selectorfor_external_epgs

Data source for ACI Cloud Endpoint Selector for External EPgs

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_cloud_endpoint_selectorfor_external_epgs" "foo_ep_selector" {

  cloud_external_epg_dn  = "${aci_cloud_external_epg.ext_epg.id}"
  name                    = "dev_ext_ep_select"
}
```

Argument Reference

- `cloud_external_epg_dn` - (Required) Distinguished name of parent CloudExternalEPg object.
- `name` - (Required) name of Object cloud_endpoint_selectorfor_external_epgs.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud Endpoint Selector for External EPgs.
- `annotation` - (Optional) annotation for object cloud_endpoint_selectorfor_external_epgs.
- `is_shared` - (Optional) For Selectors set the shared route control.
- `name_alias` - (Optional) name_alias for object cloud_endpoint_selectorfor_external_epgs.
- `subnet` - (Optional) Subnet from which EP to select.

aci_cloud_provider_profile

Data source for ACI Cloud Provider Profile

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_cloud_provider_profile" "aws_prof" {
  vendor  = "aws"
}
```

Argument Reference

- `vendor` - (Required) vendor of Object cloud_provider_profile.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud Provider Profile.
- `annotation` - (Optional) annotation for object cloud_provider_profile.

aci_cloud_providers_region

Data source for ACI Cloud Providers Region

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_cloud_providers_region" "region_aws" {

  cloud_provider_profile_dn  = "${aci_cloud_provider_profile.aws_prov.id}"
  name                       = "us-east-1"
}
```

Argument Reference

- `cloud_provider_profile_dn` - (Required) Distinguished name of parent CloudProviderProfile object.
- `name` - (Required) name of Object cloud_providers_region.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud Providers Region.
- `admin_st` - (Optional) administrative state of the object or policy
- `annotation` - (Optional) annotation for object cloud_providers_region.
- `name_alias` - (Optional) name_alias for object cloud_providers_region.

aci_cloud_subnet

Data source for ACI Cloud Subnet

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_cloud_subnet" "dev_subnet" {

  cloud_cidr_pool_dn  = "${aci_cloud_cidr_pool.dev_cidr_pool.id}"
  ip                  = "14.12.0.0/28"
}
```

Argument Reference

- `cloud_cidr_pool_dn` - (Required) Distinguished name of parent CloudCIDRPool object.
- `ip` - (Required) CIDR block of Object cloud_subnet.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud Subnet.
- `annotation` - (Optional) annotation for object cloud_subnet.
- `name_alias` - (Optional) name_alias for object cloud_subnet.
- `scope` - (Optional) The domain applicable to the capability.
- `usage` - (Optional) The usage of the port. This property shows how the port is used.

aci_cloud_availability_zone

Data source for ACI Cloud Availability Zone

Note: This resource is supported in Cloud APIC only.

Example Usage

```
data "aci_cloud_availability_zone" "az_us_east_1_aws" {

  cloud_providers_region_dn  = "${aci_cloud_providers_region.region_aws.id}"
  name                       = "us-east-1a"
}
```

Argument Reference

- `cloud_providers_region_dn` - (Required) Distinguished name of parent CloudProvidersRegion object.
- `name` - (Required) name of Object cloud_availability_zone.

Attribute Reference

- `id` - Attribute id set to the Dn of the Cloud Availability Zone.
- `annotation` - (Optional) annotation for object cloud_availability_zone.
- `name_alias` - (Optional) name_alias for object cloud_availability_zone.

aci_configuration_export_policy

Data source for ACI Configuration Export Policy

Example Usage

```
data "aci_configuration_export_policy" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object configuration_export_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the Configuration Export Policy.
- `admin_st` - (Optional) admin state of the export policy
- `annotation` - (Optional) annotation for object configuration_export_policy.
- `format` - (Optional) export data format
- `include_secure_fields` - (Optional) include_secure_fields for object configuration_export_policy.
- `max_snapshot_count` - (Optional) max_snapshot_count for object configuration_export_policy.
- `name_alias` - (Optional) name_alias for object configuration_export_policy.
- `snapshot` - (Optional) snapshot for object configuration_export_policy.
- `target_dn` - (Optional) target export object

aci_configuration_import_policy

Data source for ACI Configuration Import Policy

Example Usage

```
data "aci_configuration_import_policy" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object configuration_import_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the Configuration Import Policy.
- `admin_st` - (Optional) admin state of the import
- `annotation` - (Optional) annotation for object configuration_import_policy.
- `fail_on_decrypt_errors` - (Optional) fail_on_decrypt_errors for object configuration_import_policy.
- `file_name` - (Optional) import file name
- `import_mode` - (Optional) data import mode
- `import_type` - (Optional) data import type
- `name_alias` - (Optional) name_alias for object configuration_import_policy.
- `snapshot` - (Optional) snapshot for object configuration_import_policy.

aci_epg_to_contract

Data source for ACI EPG to contract relationship.

Example Usage

```
data "aci_epg_to_contract" "example" {
    application_epg_dn = "${aci_application_epg.demo.id}"
    contract_name  = "example"
    contract_type = "consumer"
}
```

Argument Reference

- `application_epg_dn` - (Required) Distinguished name of Parent epg.
- `contract_name` - (Required) Name of the contract.
- `contract_type` - (Required) Type of relationship. Allowed values are `consumer` and `provider`.

Attribute Reference

- `id` - Attribute id set to the Dn of the provider/consumer contract.
- `annotation` - (Optional) annotation for object.
- `match_t` - (Optional) Provider matching criteria.
- `prio` - (Optional) Priority of relation object.

aci_vpc_explicit_protection_group

Data source for ACI VPC Explicit Protection Group

Example Usage

```
data "aci_vpc_explicit_protection_group" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object vpc_explicit_protection_group.

Attribute Reference

- `id` - Attribute id set to the Dn of the VPC Explicit Protection Group.
- `annotation` - (Optional) annotation for object vpc_explicit_protection_group.
- `vpc_explicit_protection_group_id` - (Optional) explicit protection group ID

aci_node_block_firmware

Data source for ACI Node Block

Example Usage

```
data "aci_node_block_firmware" "example" {

  firmware_group_dn  = "${aci_firmware_group.example.id}"

  name  = "example"
}
```

Argument Reference

- `firmware_group_dn` - (Required) Distinguished name of parent FirmwareGroup object.
- `name` - (Required) name of Object node_block.

Attribute Reference

- `id` - Attribute id set to the Dn of the Node Block.
- `annotation` - (Optional) annotation for object node_block.
- `from_` - (Optional) from
- `name_alias` - (Optional) name_alias for object node_block.
- `to_` - (Optional) to

aci_fabric_node_member

Data source for ACI Fabric Node Member

Example Usage

```
data "aci_fabric_node_member" "example" {


  serial  = "example"
}
```

Argument Reference

- `serial` - (Required) serial of Object fabric_node_member.

Attribute Reference

- `id` - Attribute id set to the Dn of the Fabric Node Member.
- `annotation` - (Optional) annotation for object fabric_node_member.
- `ext_pool_id` - (Optional) ext_pool_id for object fabric_node_member.
- `fabric_id` - (Optional) place holder for a value
- `name_alias` - (Optional) name_alias for object fabric_node_member.
- `node_id` - (Optional) node id
- `node_type` - (Optional) node_type for object fabric_node_member.
- `pod_id` - (Optional) pod id
- `role` - (Optional) system role type
- `serial` - (Optional) serial number

aci_fc_domain

Data source for ACI FC Domain

Example Usage

```
data "aci_fc_domain" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object fc_domain.

Attribute Reference

- `id` - Attribute id set to the Dn of the FC Domain.
- `annotation` - (Optional) annotation for object fc_domain.
- `name_alias` - (Optional) name_alias for object fc_domain.

aci_interface_fc_policy

Data source for ACI Interface FC Policy

Example Usage

```
data "aci_interface_fc_policy" "test_pol" {
  name  = "demo_int_policy"
}
```

Argument Reference

- `name` - (Required) name of Object interface_fc_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the Interface FC Policy.
- `annotation` - (Optional) annotation for object interface_fc_policy.
- `automaxspeed` - (Optional) automaxspeed for object interface_fc_policy.
- `fill_pattern` - (Optional) Fill Pattern for native FC ports.
- `name_alias` - (Optional) name_alias for object interface_fc_policy.
- `port_mode` - (Optional) In which mode Ports should be used.
- `rx_bb_credit` - (Optional) Receive buffer credits for native FC ports.
- `speed` - (Optional) cpu or port speed.
- `trunk_mode` - (Optional) Trunking on/off for native FC ports.Default value is OFF.

aci_firmware_group

Data source for ACI Firmware Group

Example Usage

```
data "aci_firmware_group" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object firmware_group.

Attribute Reference

- `id` - Attribute id set to the Dn of the Firmware Group.
- `annotation` - (Optional) annotation for object firmware_group.
- `name_alias` - (Optional) name_alias for object firmware_group.
- `firmware_group_type` - (Optional) component type

aci_firmware_policy

Data source for ACI Firmware Policy

Example Usage

```
data "aci_firmware_policy" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object firmware_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the Firmware Policy.
- `annotation` - (Optional) annotation for object firmware_policy.
- `effective_on_reboot` - (Optional) firmware version effective on reboot selection
- `ignore_compat` - (Optional) whether compatibility check required
- `internal_label` - (Optional) firmware label
- `name_alias` - (Optional) name_alias for object firmware_policy.
- `version` - (Optional) firmware version
- `version_check_override` - (Optional) version check override

aci_firmware_download_task

Data source for ACI Firmware Download Task

Example Usage

```
data "aci_firmware_download_task" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object firmware_download_task.

Attribute Reference

- `id` - Attribute id set to the Dn of the Firmware Download Task.
- `annotation` - (Optional) annotation for object firmware_download_task.
- `auth_pass` - (Optional) authentication type
- `auth_type` - (Optional) ospf authentication type specifier
- `dnld_task_flip` - (Optional) dnld_task_flip for object firmware_download_task.
- `identity_private_key_contents` - (Optional) identity_private_key_contents for object firmware_download_task.
- `identity_private_key_passphrase` - (Optional) identity_private_key_passphrase for object firmware_download_task.
- `identity_public_key_contents` - (Optional) identity_public_key_contents for object firmware_download_task.
- `load_catalog_if_exists_and_newer` - (Optional) tracks to load the contained catalog or newer
- `name_alias` - (Optional) name_alias for object firmware_download_task.

- `password` - (Optional) password/key string
- `polling_interval` - (Optional) polling interval
- `proto` - (Optional) download protocol
- `url` - (Optional) URL of image of source
- `user` - (Optional) username for source

aci_application_epg

Data source for ACI Application EPG

Example Usage

```
data "aci_application_epg" "foo_epg" {

  application_profile_dn  = "${aci_application_profile.foo_app.id}"
  name                    = "dev_app_epg"
}
```

Argument Reference

- `application_profile_dn` - (Required) Distinguished name of parent ApplicationProfile object.
- `name` - (Required) name of Object application_epg.

Attribute Reference

- `id` - Attribute id set to the Dn of the Application EPG.
- `annotation` - (Optional) annotation for object application_epg.
- `exception_tag` - (Optional) exception_tag for object application_epg.
- `flood_on_encap` - (Optional) Control at EPG level if the traffic L2 Multicast/Broadcast and Link Local Layer should be flooded only on ENCAP or based on bridg-domain settings.
- `fwd_ctrl` - (Optional) Forwarding control at EPG level.
- `has_mcast_source` - (Optional) If the source for the EPG is multicast or not.
- `is_attr_based_epg` - (Optional) If the EPG is attribute based or not.
- `match_t` - (Optional) The provider label match criteria for EPG.
- `name_alias` - (Optional) name_alias for object application_epg.
- `pc_enf_pref` - (Optional) The preferred policy control.
- `pref_gr_memb` - (Optional) Represents parameter used to determine if EPg is part of a group that does not a

contract for communication.

- `prio` - (Optional) qos priority class id
- `shutdown` - (Optional) shutdown for object application_epg.

aci_application_profile

Data source for ACI Application Profile

Example Usage

```
data "aci_application_profile" "dev_apps" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
  name       = "foo_app"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object application_profile.

Attribute Reference

- `id` - Attribute id set to the Dn of the Application Profile.
- `annotation` - (Optional) annotation for object application_profile.
- `name_alias` - (Optional) name_alias for object application_profile.
- `prio` - (Optional) priority class id

aci_bridge_domain

Data source for ACI Bridge Domain

Example Usage

```
data "aci_bridge_domain" "dev_bd" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
  name       = "foo_bd"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object bridge_domain.

Attribute Reference

- `id` - Attribute id set to the Dn of the Bridge Domain.
- `optimize_wan_bandwidth` - (Optional) Flag to enable OptimizeWanBandwidth between sites.
- `annotation` - (Optional) annotation for object bridge_domain.
- `arp_flood` - (Optional) A property to specify whether ARP flooding is enabled. If flooding is disabled, unicast routing will be performed on the target IP address.
- `ep_clear` - (Optional) Represents the parameter used by the node (i.e. Leaf) to clear all EPs in all leaves for this BD.
- `ep_move_detect_mode` - (Optional) The End Point move detection option uses the Gratuitous Address Resolution Protocol (GARP). A gratuitous ARP is an ARP broadcast-type of packet that is used to verify that no other device on the network has the same IP address as the sending device.
- `host_based_routing` - (Optional) Enables advertising host routes out of l3outs of this BD.
- `intersite_bum_traffic_allow` - (Optional) Control whether BUM traffic is allowed between sites.
- `intersite_l2_stretch` - (Optional) Flag to enable l2Stretch between sites.

- `ip_learning` - (Optional) Endpoint Dataplane Learning.
- `ipv6_mcast_allow` - (Optional) Flag to indicate multicast IpV6 is allowed or not.
- `limit_ip_learn_to_subnets` - (Optional) Limits IP address learning to the bridge domain subnets only. Every BD can have multiple subnets associated with it. By default, all IPs are learned.
- `ll_addr` - (Optional) override of system generated ipv6 link-local address.
- `mac` - (Optional) The MAC address of the bridge domain (BD) or switched virtual interface (SVI). Every BD by default takes the fabric-wide default MAC address. You can override that address with a different one. By default the BD will take a 00:22:BD:F8:19:FF mac address.
- `mcast_allow` - (Optional) Flag to indicate if multicast is enabled for IpV4 addresses.
- `multi_dst_pkt_act` - (Optional) The multiple destination forwarding method for L2 Multicast, Broadcast, and Link Layer traffic types.
- `name_alias` - (Optional) name_alias for object bridge_domain.
- `bridge_domain_type` - (Optional) The specific type of the object or component.
- `unicast_route` - (Optional) The forwarding method based on predefined forwarding criteria (IP or MAC address).
- `unk_mac_ucast_act` - (Optional) The forwarding method for unknown layer 2 destinations.
- `unk_mcast_act` - (Optional) The parameter used by the node (i.e. a leaf) for forwarding data for an unknown multicast destination.
- `v6unk_mcast_act` - (Optional) v6unk_mcast_act for object bridge_domain.
- `vmac` - (Optional) Virtual MAC address of the BD/SVI. This is used when the BD is extended to multiple sites using l2 Outside.

aci_vrf

Data source for ACI VRF

Example Usage

```
data "aci_vrf" "dev_ctx" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
  name       = "foo_ctx"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object vrf.

Attribute Reference

- `id` - Attribute id set to the Dn of the VRF.
- `annotation` - (Optional) annotation(tags) for object vrf.
- `bd_enforced_enable` - (Optional) Flag to enable/disable bd_enforced for VRF.
- `ip_data_plane_learning` - (Optional) iFlag to enable/disable ip-data-plane learning for VRF.
- `knw_mcast_act` - (Optional) specifies if known multicast traffic is forwarded.
- `name_alias` - (Optional) name_alias for object vrf.
- `pc_enf_dir` - (Optional) Policy Control Enforcement Direction. It is used for defining policy enforcement direction for the traffic coming to or from an L3Out. Egress and Ingress directions are wrt L3Out. Default will be Ingress. But on the existing L3Outs during upgrade it will get set to Egress so that right after upgrade behavior doesn't change for them. This also means that there is no special upgrade sequence needed for upgrading to the release introducing this feature. After upgrade user would have to change the property value to Ingress. Once changed, system will reprogram the rules and prefix entry. Rules will get removed from the egress leaf and will get installed on the ingress leaf. Actrl prefix entry, if not already, will get installed on the ingress leaf. This feature will be ignored for the following cases: 1. Golf: Gets applied at Ingress by design. 2. Transit Rules get applied at Ingress by design. 4. vzAny 5. Taboo.

- `pc_enf_pref` - (Optional) Determines if the fabric should enforce contract policies to allow routing and packet forwarding.

aci_end_point_retention_policy

Data source for ACI End Point Retention Policy

Example Usage

```
data "aci_end_point_retention_policy" "dev_ret_pol" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
  name       = "foo_ret_pol"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object end_point_retention_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the End Point Retention Policy.
- `annotation` - (Optional) annotation for object end_point_retention_policy.
- `bounce_age_intvl` - (Optional) The aging interval for a bounce entry. When an endpoint (VM) migrates to another switch, the endpoint is marked as bouncing for the specified aging interval and is deleted afterwards.
- `bounce_trig` - (Optional) Specifies whether to install the bounce entry by RARP flood or by COOP protocol. Allowed values are "rarp-flood" and "protocol".
- `hold_intvl` - (Optional) A time period during which new endpoint learn events will not be honored. This interval is triggered when the maximum endpoint move frequency is exceeded.
- `local_ep_age_intvl` - (Optional) The aging interval for all local endpoints learned in this bridge domain. When 75% of the interval is reached, 3 ARP requests are sent to verify the existence of the endpoint. If no response is received, the endpoint is deleted.
- `move_freq` - (Optional) A maximum allowed number of endpoint moves per second. If the move frequency is exceeded, the hold interval is triggered, and new endpoint learn events will not be honored until after the hold interval expires.

- `name_alias` - (Optional) name_alias for object end_point_retention_policy.
- `remote_ep_age_intvl` - (Optional) The aging interval for all remote endpoints learned in this bridge domain.

aci_ranges

Data source for ACI Ranges

Example Usage

```
data "aci_ranges" "example" {

  vlan_pool_dn  = "${aci_vlan_pool.example.id}"

  _from  = "example"

  to  = "example"
}
```

Argument Reference

- `vlan_pool_dn` - (Required) Distinguished name of parent VLANPool object.
- `_from` - (Required) _from of Object ranges.
- `to` - (Required) to of Object ranges.

Attribute Reference

- `id` - Attribute id set to the Dn of the Ranges.
- `alloc_mode` - (Optional) alloc_mode for object ranges.
- `annotation` - (Optional) annotation for object ranges.
- `from` - (Optional) encapsulation block start
- `name_alias` - (Optional) name_alias for object ranges.
- `role` - (Optional) system role type
- `to` - (Optional) encapsulation block end

aci_vlan_pool

Data source for ACI VLAN Pool

Example Usage

```
data "aci_vlan_pool" "example" {


  name  = "example"

  allocMode  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object vlan_pool.
- `allocMode` - (Required) allocMode of Object vlan_pool.

Attribute Reference

- `id` - Attribute id set to the Dn of the VLAN Pool.
- `alloc_mode` - (Optional) allocation mode
- `annotation` - (Optional) annotation for object vlan_pool.
- `name_alias` - (Optional) name_alias for object vlan_pool.

aci_vsan_pool

Data source for ACI VSAN Pool

Example Usage

```
data "aci_vsan_pool" "example" {


  name  = "example"

  allocMode  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object vsan_pool.
- `allocMode` - (Required) allocMode of Object vsan_pool.

Attribute Reference

- `id` - Attribute id set to the Dn of the VSAN Pool.
- `alloc_mode` - (Optional) alloc_mode for object vsan_pool.
- `annotation` - (Optional) annotation for object vsan_pool.
- `name_alias` - (Optional) name_alias for object vsan_pool.

aci_vxlan_pool

Data source for ACI VXLAN Pool

Example Usage

```
data "aci_vxlan_pool" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object vxlan_pool.

Attribute Reference

- `id` - Attribute id set to the Dn of the VXLAN Pool.
- `annotation` - (Optional) annotation for object vxlan_pool.
- `name_alias` - (Optional) name_alias for object vxlan_pool.

aci_domain

Data source for ACI epg to Domain

Example Usage

```
data "aci_epg_to_domain" "temp" {
  application_epg_dn  = "${aci_application_epg.epg2.id}"
  tdn                 = "${aci_vmm_domain.example.id}"
}
```

Argument Reference

- `application_epg_dn` - (Required) Distinguished name of parent ApplicationEPG object.
- `tdn` - (Required) vmm domain instance.

Attribute Reference

- `id` - Attribute id set to the Dn of the Domain.
- `annotation` - (Optional) annotation for object domain.
- `binding_type` - (Optional) binding_type for object domain.
- `class_pref` - (Optional) class_pref for object domain.
- `delimiter` - (Optional) delimiter for object domain.
- `encap` - (Optional) port encapsulation
- `encap_mode` - (Optional) encap_mode for object domain.
- `epg_cos` - (Optional) epg_cos for object domain.
- `epg_cos_pref` - (Optional) epg_cos_pref for object domain.
- `instr_imedcy` - (Optional) determines when policies are pushed to cam
- `lag_policy_name` - (Optional) lag_policy_name for object domain.

- `netflow_dir` - (Optional) netflow_dir for object domain.
- `netflow_pref` - (Optional) netflow_pref for object domain.
- `num_ports` - (Optional) number of ports existing operationally in module
- `port_allocation` - (Optional) port_allocation for object domain.
- `primary_encap` - (Optional) primary_encap for object domain.
- `primary_encap_inner` - (Optional) primary_encap_inner for object domain.
- `res_imedcy` - (Optional) policy resolution
- `secondary_encap_inner` - (Optional) secondary_encap_inner for object domain.
- `switching_mode` - (Optional) switching_mode for object domain.

aci_epg_to_static_path

Data source for ACI Static Path

Example Usage

```
data "aci_epg_to_static_path" "example" {

  application_epg_dn  = "${aci_application_epg.example.id}"

  tDn  = "example"
}
```

Argument Reference

- `application_epg_dn` - (Required) Distinguished name of parent ApplicationEPG object.
- `tDn` - (Required) tDn of Object static_path.

Attribute Reference

- `id` - Attribute id set to the Dn of the Static Path.
- `annotation` - (Optional) annotation for object static_path.
- `encap` - (Optional) encapsulation
- `instr_imedcy` - (Optional) immediacy
- `mode` - (Optional) mode of the static association with the path
- `primary_encap` - (Optional) primary_encap for object static_path.

aci_subnet

Data source for ACI Subnet

Example Usage

```
data "aci_subnet" "dev_subnet" {
  parent_dn         = "${aci_bridge_domain.example.id}"
  ip                = "10.0.3.28/27"
}
```

Argument Reference

- `parent_dn` - (Required) Distinguished name of parent object.
- `ip` - (Required) The IP address and mask of the default gateway.

Attribute Reference

- `id` - Attribute id set to the Dn of the Subnet.
- `annotation` - (Optional) annotation for object subnet.
- `ctrl` - (Optional) The subnet control state. The control can be specific protocols applied to the subnet such as IGMP Snooping.
- `name_alias` - (Optional) name_alias for object subnet.
- `preferred` - (Optional) Indicates if the subnet is preferred (primary) over the available alternatives. Only one preferred subnet is allowed.
- `scope` - (Optional) The network visibility of the subnet.
- `virtual` - (Optional) Treated as virtual IP address. Used in case of BD extended to multiple sites.

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aci_spine_switch_association

Data source for ACI Spine Switch Association

Example Usage

```
data "aci_spine_switch_association" "example" {
  spine_profile_dn                = "${aci_spine_profile.example.id}"
  name                            = "check"
  spine_switch_association_type   = "range"
}
```

Argument Reference

- `spine_profile_dn` - (Required) Distinguished name of parent SpineProfile object.
- `name` - (Required) name of Object Spine Switch association.
- `spine_switch_association_type` - (Required) spine association type of Object Spine Switch association.

Attribute Reference

- `id` - Attribute id set to the Dn of the Switch Association.
- `annotation` - (Optional) annotation for object Spine Switch association.
- `name_alias` - (Optional) name alias for object Spine Switch association.

aci_access_sub_port_block

Data source for ACI Access Sub Port Block

Example Usage

```
data "aci_access_sub_port_block" "example" {

  access_port_selector_dn  = "${aci_access_port_selector.example.id}"

  name  = "example"
}
```

Argument Reference

- `access_port_selector_dn` - (Required) Distinguished name of parent AccessPortSelector object.
- `name` - (Required) name of Object access_sub_port_block.

Attribute Reference

- `id` - Attribute id set to the Dn of the Access Sub Port Block.
- `annotation` - (Optional) annotation for object access_sub_port_block.
- `from_card` - (Optional) from card
- `from_port` - (Optional) port block from port
- `from_sub_port` - (Optional) from_sub_port for object access_sub_port_block.
- `name_alias` - (Optional) name_alias for object access_sub_port_block.
- `to_card` - (Optional) to card
- `to_port` - (Optional) to port
- `to_sub_port` - (Optional) to_sub_port for object access_sub_port_block.

aci_l2_interface_policy

Data source for ACI L2 Interface Policy

Example Usage

```
data "aci_l2_interface_policy" "dev_l2_int_pol" {
  name  = "foo_l2_int_pol"
}
```

Argument Reference

- `name` - (Required) name of Object l2_interface_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the L2 Interface Policy.
- `annotation` - (Optional) annotation for object l2_interface_policy.
- `name_alias` - (Optional) name_alias for object l2_interface_policy.
- `qinq` - (Optional) Determines if QinQ is disabled or if the port should be considered a core or edge port.
- `vepa` - (Optional) Determines if Virtual Ethernet Port Aggregator is disabled or enabled.
- `vlan_scope` - (Optional) The scope of the VLAN.

aci_port_security_policy

Data source for ACI Port Security Policy

Example Usage

```
data "aci_port_security_policy" "dev_port_sec_pol" {
  name  = "foo_port_sec_pol"
}
```

Argument Reference

- `name` - (Required) name of Object port_security_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the Port Security Policy.
- `annotation` - (Optional) annotation for object port_security_policy.
- `maximum` - (Optional) Port Security Maximum.
- `mode` - (Optional) bgp domain mode
- `name_alias` - (Optional) name_alias for object port_security_policy.
- `timeout` - (Optional) amount of time between authentication attempts
- `violation` - (Optional) Port security violation.

aci_l3_domain_profile

Data source for ACI L3 Domain Profile

Example Usage

```
data "aci_l3_domain_profile" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object l3_domain_profile.

Attribute Reference

- `id` - Attribute id set to the Dn of the L3 Domain Profile.
- `annotation` - (Optional) annotation for object l3_domain_profile.
- `name_alias` - (Optional) name_alias for object l3_domain_profile.

aci_external_network_instance_profile

Data source for ACI External Network Instance Profile

Example Usage

```
data "aci_external_network_instance_profile" "dev_ext_net_prof" {
  l3_outside_dn  = "${aci_l3_outside.example.id}"
  name           = "foo_ext_net_prof"
}
```

Argument Reference

- `l3_outside_dn` - (Required) Distinguished name of parent L3Outside object.
- `name` - (Required) name of Object external_network_instance_profile.

Attribute Reference

- `id` - Attribute id set to the Dn of the External Network Instance Profile.
- `annotation` - (Optional) annotation for object external_network_instance_profile.
- `exception_tag` - (Optional) exception_tag for object external_network_instance_profile.
- `flood_on_encap` - (Optional) Control at EPG level if the traffic L2 Multicast/Broadcast and Link Local Layer should be flooded only on ENCAP or based on bridg-domain settings.
- `match_t` - (Optional) The provider label match criteria.
- `name_alias` - (Optional) name_alias for object external_network_instance_profile.
- `pref_gr_memb` - (Optional) Represents parameter used to determine if EPg is part of a group that does not a contract for communication.
- `prio` - (Optional) The QoS priority class identifier.
- `target_dscp` - (Optional) The target differentiated services code point (DSCP) of the path attached to the layer 3 outside profile.

aci_logical_interface_profile

Data source for ACI Logical Interface Profile

Example Usage

```
data "aci_logical_interface_profile" "example" {

  logical_node_profile_dn  = "${aci_logical_node_profile.example.id}"

  name  = "example"
}
```

Argument Reference

- `logical_node_profile_dn` - (Required) Distinguished name of parent LogicalNodeProfile object.
- `name` - (Required) name of Object logical_interface_profile.

Attribute Reference

- `id` - Attribute id set to the Dn of the Logical Interface Profile.
- `annotation` - (Optional) annotation for object logical_interface_profile.
- `name_alias` - (Optional) name_alias for object logical_interface_profile.
- `prio` - (Optional) qos priority class id
- `tag` - (Optional) label color

aci_logical_node_profile

Data source for ACI Logical Node Profile

Example Usage

```
data "aci_logical_node_profile" "example" {

  l3_outside_dn  = "${aci_l3_outside.example.id}"

  name  = "example"
}
```

Argument Reference

- `l3_outside_dn` - (Required) Distinguished name of parent L3Outside object.
- `name` - (Required) name of Object logical_node_profile.

Attribute Reference

- `id` - Attribute id set to the Dn of the Logical Node Profile.
- `annotation` - (Optional) annotation for object logical_node_profile.
- `config_issues` - (Optional) configuration issues
- `name_alias` - (Optional) name_alias for object logical_node_profile.
- `tag` - (Optional) label color
- `target_dscp` - (Optional) target dscp

aci_l3_outside

Data source for ACI L3 Outside

Example Usage

```
data "aci_l3_outside" "dev_l3_out" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
  name       = "foo_l3_out"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object l3_outside.

Attribute Reference

- `id` - Attribute id set to the Dn of the L3 Outside.
- `annotation` - (Optional) annotation for object l3_outside.
- `enforce_rtctrl` - (Optional) enforce route control type
- `name_alias` - (Optional) name_alias for object l3_outside.
- `target_dscp` - (Optional) The target differentiated services code point (DSCP) of the path attached to the layer 3 outside profile.

aci_logical_node_to_fabric_node

Data source for ACI Fabric Node

Example Usage

```
data "aci_logical_node_to_fabric_node" "example" {

  logical_node_profile_dn  = "${aci_logical_node_profile.example.id}"

  tDn  = "example"
}
```

Argument Reference

- `logical_node_profile_dn` - (Required) Distinguished name of parent LogicalNodeProfile object.
- `tDn` - (Required) tDn of Object fabric_node.

Attribute Reference

- `id` - Attribute id set to the Dn of the Fabric Node.
- `annotation` - (Optional) annotation for object fabric_node.
- `config_issues` - (Optional) configuration issues
- `rtr_id` - (Optional) router identifier
- `rtr_id_loop_back` - (Optional)

aci_subnet

Data source for ACI Subnet

Example Usage

```
data "aci_l3_ext_subnet" "example" {

  external_network_instance_profile_dn  = "${aci_external_network_instance_profile.example.id}"
  ip                                    = "10.0.3.28/27"
}
```

Argument Reference

- `external_network_instance_profile_dn` - (Required) Distinguished name of parent ExternalNetworkInstanceProfile object.
- `ip` - (Required) ip of Object subnet.

Attribute Reference

- `id` - Attribute id set to the Dn of the Subnet.
- `aggregate` - (Optional) Aggregate Routes for Subnet.
- `annotation` - (Optional) annotation for object subnet.
- `name_alias` - (Optional) name_alias for object subnet.
- `scope` - (Optional) The domain applicable to the capability.

aci_lacp_policy

Data source for ACI LACP Policy

Example Usage

```
data "aci_lacp_policy" "dev_lacp_pol" {
  name  = "foo_lacp_pol"
}
```

Argument Reference

- `name` - (Required) Name of Object lacp_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the LACP Policy.
- `annotation` - (Optional) Annotation for object lacp_policy.
- `ctrl` - (Optional) LAG control properties
- `max_links` - (Optional) Maximum number of links.
- `min_links` - (Optional) Minimum number of links in port channel.
- `mode` - (Optional) Policy mode.
- `name_alias` - (Optional) Name_alias for object lacp_policy.

aci_lldp_interface_policy

Data source for ACI LLDP Interface Policy

Example Usage

```
data "aci_lldp_interface_policy" "dev_lldp_pol" {
  name  = "foo_lldp_pol"
}
```

Argument Reference

- `name` - (Required) name of Object lldp_interface_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the LLDP Interface Policy.
- `admin_rx_st` - (Optional) admin receive state.
- `admin_tx_st` - (Optional) admin transmit state.
- `annotation` - (Optional) annotation for object lldp_interface_policy.
- `name_alias` - (Optional) name_alias for object lldp_interface_policy.

aci_pod_maintenance_group

Data source for ACI POD Maintenance Group

Example Usage

```
data "aci_pod_maintenance_group" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object pod_maintenance_group.

Attribute Reference

- `id` - Attribute id set to the Dn of the POD Maintenance Group.
- `annotation` - (Optional) annotation for object pod_maintenance_group.
- `fwtype` - (Optional) fwtype for object pod_maintenance_group.
- `name_alias` - (Optional) name_alias for object pod_maintenance_group.
- `pod_maintenance_group_type` - (Optional) component type

aci_maintenance_policy

Data source for ACI Maintenance Policy

Example Usage

```
data "aci_maintenance_policy" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object maintenance_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the Maintenance Policy.
- `admin_st` - (Optional) maintenance policy admin state
- `annotation` - (Optional) annotation for object maintenance_policy.
- `graceful` - (Optional) graceful for object maintenance_policy.
- `ignore_compat` - (Optional) whether compatibility check required
- `internal_label` - (Optional) firmware label
- `name_alias` - (Optional) name_alias for object maintenance_policy.
- `notif_cond` - (Optional) when to send notifications to the admin
- `run_mode` - (Optional) maintenance policy run mode
- `version` - (Optional) compatibility catalog version
- `version_check_override` - (Optional) version check override

aci_miscabling_protocol_interface_policy

Data source for ACI Mis-cabling Protocol Interface Policy

Example Usage

```
data "aci_miscabling_protocol_interface_policy" "dev_miscable_pol" {
  name  = "foo_miscable_pol"
}
```

Argument Reference

- `name` - (Required) name of Object miscabling_protocol_interface_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the Mis-cabling Protocol Interface Policy.
- `admin_st` - (Optional) administrative state of the object or policy.
- `annotation` - (Optional) annotation for object miscabling_protocol_interface_policy.
- `name_alias` - (Optional) name_alias for object miscabling_protocol_interface_policy.

aci_ospf_interface_policy

Data source for ACI OSPF Interface Policy

Example Usage

```
data "aci_ospf_interface_policy" "dev_ospf_pol" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
  name       = "foo_ospf_pol"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object ospf_interface_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the OSPF Interface Policy.
- `annotation` - (Optional) annotation for object ospf_interface_policy.
- `cost` - (Optional) The OSPF cost for the interface. The cost (also called metric) of an interface in OSPF is an indication of the overhead required to send packets across a certain interface. The cost of an interface is inversely proportional to the bandwidth of that interface. A higher bandwidth indicates a lower cost. There is more overhead (higher cost) and time delays involved in crossing a 56k serial line than crossing a 10M ethernet line. The formula used to calculate the cost is: cost= 10000 0000/bandwidth in bps For example, it will cost 10 EXP8/10 EXP7 = 10 to cross a 10M Ethernet line and will cost 10 EXP8/1544000 = 64 to cross a T1 line. By default, the cost of an interface is calculated based on the bandwidth; you can force the cost of an interface with the ip ospf cost value interface sub-configuration mode command.
- `ctrl` - (Optional) interface policy controls
- `dead_intvl` - (Optional) The interval between hello packets from a neighbor before the router declares the neighbor as down. This value must be the same for all networking devices on a specific network. Specifying a smaller dead interval (seconds) will give faster detection of a neighbor being down and improve convergence, but might cause more routing instability.

- `hello_intvl` - (Optional) The interval between hello packets that OSPF sends on the interface. Note that the smaller the hello interval, the faster topological changes will be detected, but more routing traffic will ensue. This value must be the same for all routers and access servers on a specific network.
- `name_alias` - (Optional) name_alias for object ospf_interface_policy.
- `nw_t` - (Optional) The OSPF interface policy network type. OSPF supports point-to-point and broadcast.
- `pfx_suppress` - (Optional) pfx-suppression for object ospf_interface_policy.
- `prio` - (Optional) The OSPF interface priority used to determine the designated router (DR) on a specific network. The router with the highest OSPF priority on a segment will become the DR for that segment. The same process is repeated for the backup designated router (BDR). In the case of a tie, the router with the highest RID will win. The default for the interface OSPF priority is one. Remember that the DR and BDR concepts are per multiaccess segment.
- `rexmit_intvl` - (Optional) The interval between LSA retransmissions. The retransmit interval occurs while the router is waiting for an acknowledgement from the neighbor router that it received the LSA. If no acknowlegment is received at the end of the interval, then the LSA is resent.
- `xmit_delay` - (Optional) The delay time needed to send an LSA update packet. OSPF increments the LSA age time by the transmit delay amount before transmitting the LSA update. You should take into account the transmission and propagation delays for the interface when you set this value.

aci_physical_domain

Data source for ACI Physical Domain

Example Usage

```
data "aci_physical_domain" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object physical_domain.

Attribute Reference

- `id` - Attribute id set to the Dn of the Physical Domain.
- `annotation` - (Optional) annotation for object physical_domain.
- `name_alias` - (Optional) name_alias for object physical_domain.

aci_action_rule_profile

Data source for ACI Action Rule Profile

Example Usage

```
data "aci_action_rule_profile" "example" {

  tenant_dn  = "${aci_tenant.example.id}"

  name  = "example"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object action_rule_profile.

Attribute Reference

- `id` - Attribute id set to the Dn of the Action Rule Profile.
- `annotation` - (Optional) annotation for object action_rule_profile.
- `name_alias` - (Optional) name_alias for object action_rule_profile.

aci_span_destination_group

Data source for ACI SPAN Destination Group

Example Usage

```
data "aci_span_destination_group" "example" {

  tenant_dn  = "${aci_tenant.example.id}"

  name  = "example"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object span_destination_group.

Attribute Reference

- `id` - Attribute id set to the Dn of the SPAN Destination Group.
- `annotation` - (Optional)
- `name_alias` - (Optional)

aci_span_sourcedestination_group_match_label

Data source for ACI SPAN Source-destination Group Match Label

Example Usage

```
data "aci_span_sourcedestination_group_match_label" "example" {

  span_source_group_dn  = "${aci_span_source_group.example.id}"

  name  = "example"
}
```

Argument Reference

- `span_source_group_dn` - (Required) Distinguished name of parent SPANSourceGroup object.
- `name` - (Required) name of Object span_sourcedestination_group_match_label.

Attribute Reference

- `id` - Attribute id set to the Dn of the SPAN Source-destination Group Match Label.
- `annotation` - (Optional)
- `name_alias` - (Optional)
- `tag` - (Optional) label color

aci_span_source_group

Data source for ACI SPAN Source Group

Example Usage

```
data "aci_span_source_group" "example" {

  tenant_dn  = "${aci_tenant.example.id}"

  name  = "example"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object span_source_group.

Attribute Reference

- `id` - Attribute id set to the Dn of the SPAN Source Group.
- `admin_st` - (Optional) administrative state of the object or policy
- `annotation` - (Optional)
- `name_alias` - (Optional)

aci_trigger_scheduler

Data source for ACI Trigger Scheduler

Example Usage

```
data "aci_trigger_scheduler" "example" {


  name  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object trigger_scheduler.

Attribute Reference

- `id` - Attribute id set to the Dn of the Trigger Scheduler.
- `annotation` - (Optional) annotation for object trigger_scheduler.
- `name_alias` - (Optional) name_alias for object trigger_scheduler.

aci_vmm_domain

Data source for ACI VMM Domain

Example Usage

```
data "aci_vmm_domain" "dev_vmmdom" {
  provider_profile_dn  = "${aci_provider_profile.example.id}"
  name                 = "demo_vmmdomp"
}
```

Argument Reference

- `provider_profile_dn` - (Required) Distinguished name of parent ProviderProfile object.
- `name` - (Required) name of Object vmm_domain.

Attribute Reference

- `id` - Attribute id set to the Dn of the VMM Domain.
- `access_mode` - (Optional) access_mode for object vmm_domain.
- `annotation` - (Optional) annotation for object vmm_domain.
- `arp_learning` - (Optional) Enable/Disable arp learning for AVS Domain.
- `ave_time_out` - (Optional) ave_time_out for object vmm_domain.
- `config_infra_pg` - (Optional) Flag to enable config_infra_pg for object vmm_domain.
- `ctrl_knob` - (Optional) Type pf control knob to use.
- `delimiter` - (Optional) delimiter for object vmm_domain.
- `enable_ave` - (Optional) Flag to enable ave for object vmm_domain.
- `enable_tag` - (Optional) Flag enable tagging for object vmm_domain.
- `encap_mode` - (Optional) The layer 2 encapsulation protocol to use with the virtual switch.
- `enf_pref` - (Optional) The switching enforcement preference. This determines whether switches can be done

within the virtual switch (Local Switching) or whether all switched traffic must go through the fabric (No Local Switching).

- `ep_inventory_type` - (Optional) Determines which end point inventory_type to use for object vmm_domain.
- `ep_ret_time` - (Optional) end point retention time for object vmm_domain.
- `hv_avail_monitor` - (Optional) Flag to enable hv_avail_monitor for object vmm_domain.
- `mcast_addr` - (Optional) The multicast address of the VMM domain profile.
- `mode` - (Optional) The switch to be used for the domain profile.
- `name_alias` - (Optional) name_alias for object vmm_domain.
- `pref_encap_mode` - (Optional) The preferred encapsulation mode for object vmm_domain.

aci_destination_of_redirected_traffic

Data source for ACI Destination of redirected traffic

Example Usage

```
data "aci_destination_of_redirected_traffic" "example" {
  service_redirect_policy_dn  = "${aci_service_redirect_policy.example.id}"
  ip                          = "1.2.3.4"
}
```

Argument Reference

- `service_redirect_policy_dn` - (Required) Distinguished name of parent Service Redirect Policy object.
- `ip` - (Required) ip of Object destination of redirected traffic.

Attribute Reference

- `id` - Attribute id set to the Dn of the Destination of redirected traffic.
- `annotation` - (Optional) annotation for object destination of redirected traffic.
- `dest_name` - (Optional) destination name to which data was exported.
- `ip` - (Optional) ip address.
- `ip2` - (Optional) ip2 for object destination of redirected traffic.
- `mac` - (Optional) mac address.
- `name_alias` - (Optional) name_alias for object destination of redirected traffic.
- `pod_id` - (Optional) pod id.

aci_service_redirect_policy

Data source for ACI Service Redirect Policy

Example Usage

```
data "aci_service_redirect_policy" "example" {
  tenant_dn   = "${aci_tenant.example.id}"
  name        = "example"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object service_redirect_policy.

Attribute Reference

- `id` - Attribute id set to the Dn of the Service Redirect Policy.
- `anycast_enabled` - (Optional) anycast_enabled for object service_redirect_policy.
- `annotation` - (Optional) annotation for object service_redirect_policy.
- `dest_type` - (Optional) dest_type for object service_redirect_policy.
- `hashing_algorithm` - (Optional) hashing_algorithm for object service_redirect_policy.
- `max_threshold_percent` - (Optional) max_threshold_percent for object service_redirect_policy.
- `min_threshold_percent` - (Optional) min_threshold_percent for object service_redirect_policy.
- `name_alias` - (Optional) name_alias for object service_redirect_policy.
- `program_local_pod_only` - (Optional) program_local_pod_only for object service_redirect_policy.
- `resilient_hash_enabled` - (Optional) resilient_hash_enabled for object service_redirect_policy.
- `threshold_down_action` - (Optional) threshold_down_action for object service_redirect_policy.

- `threshold_enable` - (Optional) threshold_enable for object service_redirect_policy.

aci_any

Data source for ACI Any

Example Usage

```
data "aci_any" "dev_any" {
  vrf_dn  = "${aci_vrf.dev_vrf.id}"
}
```

Argument Reference

- `vrf_dn` - (Required) Distinguished name of parent VRF object.

Attribute Reference

- `id` - Attribute id set to the Dn of the Any.
- `annotation` - (Optional) annotation for object any.
- `match_t` - (Optional) Represents the provider label match criteria.
- `name_alias` - (Optional) name_alias for object any.
- `pref_gr_memb` - (Optional) Represents parameter used to determine if EPgs can be divided in a the context can be divided in two subgroups.

aci_contract

Data source for ACI Contract

Example Usage

```
data "aci_contract" "example" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
  name       = "contract_name"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object contract.

Attribute Reference

- `id` - Attribute id set to the Dn of the Contract.
- `annotation` - (Optional) annotation for object contract.
- `name_alias` - (Optional) name_alias for object contract.
- `prio` - (Optional) priority level of the service contract.
- `scope` - (Optional) Represents the scope of this contract. If the scope is set as application-profile, the epg can only communicate with epgs in the same application-profile.
- `target_dscp` - (Optional) The target differentiated services code point (DSCP) of the path attached to the layer 3 outside profile.

aci_imported_contract

Data source for ACI Imported Contract

Example Usage

```
data "aci_imported_contract" "example" {

  tenant_dn  = "${aci_tenant.example.id}"

  name  = "example"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object imported_contract.

Attribute Reference

- `id` - Attribute id set to the Dn of the Imported Contract.
- `annotation` - (Optional) annotation for object imported_contract.
- `name_alias` - (Optional) name_alias for object imported_contract.

aci_filter_entry

Data source for ACI Filter Entry

Example Usage

```
data "aci_filter_entry" "http" {
  filter_dn  = "${aci_filter.http_flt.id}"
  name       = "http"
}
```

Argument Reference

- `filter_dn` - (Required) Distinguished name of parent Filter object.
- `name` - (Required) name of Object filter_entry.

Attribute Reference

- `id` - Attribute id set to the Dn of the Filter Entry.
- `annotation` - (Optional) annotation for object filter_entry.
- `apply_to_frag` - (Optional) Flag to determine whether to apply changes to fragment.
- `arp_opc` - (Optional) open peripheral codes.
- `d_from_port` - (Optional) Destination From Port.
- `d_to_port` - (Optional) Destination To Port.
- `ether_t` - (Optional) ether type for the entry.
- `icmpv4_t` - (Optional) ICMPv4 message type; used when ip_protocol is icmp.
- `icmpv6_t` - (Optional) ICMPv6 message type; used when ip_protocol is icmpv6.
- `match_dscp` - (Optional) The matching differentiated services code point (DSCP) of the path attached to the layer 3 outside profile.
- `name_alias` - (Optional) name_alias for object filter_entry.

- `prot` - (Optional) level 3 ip protocol.
- `s_from_port` - (Optional) Source From Port.
- `s_to_port` - (Optional) Source To Port.
- `stateful` - (Optional) Determines if entry is stateful or not.
- `tcp_rules` - (Optional) TCP Session Rules.

aci_filter

Data source for ACI Filter

Example Usage

```
data "aci_filter" "allow_http" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
  name       = "http_flt"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object filter.

Attribute Reference

- `id` - Attribute id set to the Dn of the Filter.
- `annotation` - (Optional) annotation for object filter.
- `name_alias` - (Optional) name_alias for object filter.

aci_contract_subject

Data source for ACI Contract Subject

Example Usage

```
data "aci_contract_subject" "dev_subject" {
  contract_dn  = "${aci_contract.example.id}"
  name         = "foo_subject"
}
```

Argument Reference

- `contract_dn` - (Required) Distinguished name of parent Contract object.
- `name` - (Required) name of Object contract_subject.

Attribute Reference

- `id` - Attribute id set to the Dn of the Contract Subject.
- `annotation` - (Optional) annotation for object contract_subject.
- `cons_match_t` - (Optional) The subject match criteria across consumers.
- `name_alias` - (Optional) name_alias for object contract_subject.
- `prio` - (Optional) The priority level of a sub application running behind an endpoint group, such as an Exchange server.
- `prov_match_t` - (Optional) The subject match criteria across consumers.
- `rev_flt_ports` - (Optional) enables filter to apply on ingress and egress traffic.
- `target_dscp` - (Optional) The target differentiated services code point (DSCP) of the path attached to the layer 3 outside profile.

aci_taboo_contract

Data source for ACI Taboo Contract

Example Usage

```
data "aci_taboo_contract" "example" {

  tenant_dn  = "${aci_tenant.example.id}"

  name  = "example"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object taboo_contract.

Attribute Reference

- `id` - Attribute id set to the Dn of the Taboo Contract.
- `annotation` - (Optional) annotation for object taboo_contract.
- `name_alias` - (Optional) name_alias for object taboo_contract.

aci_x509_certificate

Manages ACI X509 Certificate

Example Usage

```
resource "aci_x509_certificate" "example" {

  local_user_dn  = "${aci_local_user.example.id}"

  name  = "example"
  annotation  = "example"
  data  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `local_user_dn` - (Required) Distinguished name of parent LocalUser object.
- `name` - (Required) name of Object x509_certificate.
- `annotation` - (Optional) annotation for object x509_certificate.
- `data` - (Optional) data from the user certificate
- `name_alias` - (Optional) name_alias for object x509_certificate.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the X509 Certificate.

Importing

An existing X509 Certificate can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_x509_certificate.example <Dn>
```

aci_local_user

Manages ACI Local User

Example Usage

```
resource "aci_local_user" "example" {


  name  = "example"
  account_status  = "example"
  annotation  = "example"
  cert_attribute  = "example"
  clear_pwd_history  = "example"
  email  = "example"
  expiration  = "example"
  expires  = "example"
  first_name  = "example"
  last_name  = "example"
  name_alias  = "example"
  otpenable  = "example"
  otpkey  = "example"
  phone  = "example"
  pwd  = "example"
  pwd_life_time  = "example"
  pwd_update_required  = "example"
  rbac_string  = "example"
  unix_user_id  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object local_user.
- `account_status` - (Optional) local AAA user account status. Allowed values: "active", "inactive".
- `annotation` - (Optional) annotation for object local_user.
- `cert_attribute` - (Optional) cert_attribute for object local_user.
- `clear_pwd_history` - (Optional) clear password history of local user. Allowed values: "no", "yes".
- `email` - (Optional) email address of the local user
- `expiration` - (Optional) local user account expiration date Allowed values: "never"

- `expires` - (Optional) enables local user account expiration. Allowed values: "yes", "no"
- `first_name` - (Optional) first name of the local user
- `last_name` - (Optional) last name of the local user
- `name_alias` - (Optional) name_alias for object local_user.
- `otpenable` - (Optional) otpenable for object local_user. Allowed values: "yes", "no"
- `otpkey` - (Optional) otpkey for object local_user.
- `phone` - (Optional) phone number of the local user
- `pwd` - (Optional) system user password
- `pwd_life_time` - (Optional) lifetime of the local user password. Allowed values: "no-password-expire"
- `pwd_update_required` - (Optional) pwd_update_required for object local_user. Allowed values: "yes", "no"
- `rbac_string` - (Optional) rbac_string for object local_user.
- `unix_user_id` - (Optional) UNIX identifier of the local user

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Local User.

Importing

An existing Local User can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_local_user.example <Dn>
```

aci_cdp_interface_policy

Manages ACI CDP Interface Policy

Example Usage

```
resource "aci_cdp_interface_policy" "example" {


  name  = "example"
  admin_st  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object cdp_interface_policy.
- `admin_st` - (Optional) administrative state Allowed values: "enabled", "disabled"
- `annotation` - (Optional) annotation for object cdp_interface_policy.
- `name_alias` - (Optional) name_alias for object cdp_interface_policy.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the CDP Interface Policy.

Importing

An existing CDP Interface Policy can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_cdp_interface_policy.example <Dn>
```

aci_cloud_applicationcontainer

Manages ACI Cloud Application container Note: This resource is supported in Cloud APIC only.

Example Usage

```
resource "aci_cloud_applicationcontainer" "foo_clou_app" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
  name       = "demo_cloud_app"
  annotation = "tag_cloud_app"
  name_alias = "alias_app"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object cloud_applicationcontainer.
- `annotation` - (Optional) annotation for object cloud_applicationcontainer.
- `name_alias` - (Optional) name_alias for object cloud_applicationcontainer.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Cloud Application container.

Importing

An existing Cloud Application container can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_cloud_applicationcontainer.example <Dn>
```

aci_cloud_aws_provider

Manages ACI Cloud AWS Provider **Note: This resource is supported in Cloud APIC only.**

Example Usage

```
resource "aci_cloud_aws_provider" "foocloud_aws_provider" {
    tenant_dn         = "${aci_tenant.footenant.id}"
    description       = "aws account config"
    access_key_id     = "access_key"
    account_id        = "acc_id"
    annotation        = "tag_aws"
    region            = "us-west-2"
    secret_access_key = "secret_key"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `access_key_id` - (Optional) access_key_id for the AWS account provided in the account_id field.
- `account_id` - (Optional) AWS account-id to manage with cloud APIC.
- `annotation` - (Optional) annotation for object cloud_aws_provider.
- `email` - (Optional) email address of the local user.
- `http_proxy` - (Optional) http_proxy for object cloud_aws_provider.
- `is_account_in_org` - (Optional) Flag to decide whether the account is in the organization or not. Allowed values: "no", "yes"
- `is_trusted` - (Optional) Whether the account is trusted with Tenant infra account. Allowed values: "no", "yes"
- `name_alias` - (Optional) name_alias for object cloud_aws_provider.
- `provider_id` - (Optional) provider_id for object cloud_aws_provider.
- `region` - (Optional) which AWS region to manage.
- `secret_access_key` - (Optional) secret_access_key for the AWS account provided in the account_id field.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Cloud AWS Provider.

Importing

An existing Cloud AWS Provider can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_cloud_aws_provider.example <Dn>
```

aci_autonomous_system_profile

Manages ACI Autonomous System Profile

Example Usage

```
resource "aci_autonomous_system_profile" "fooautonomous_system_profile" {
    description = "sample autonomous profile"
    annotation  = "tag_system"
    asn         = "121"
    name_alias  = "alias_sys_prof"
}
```

Argument Reference

- `annotation` - (Optional) annotation for object autonomous_system_profile.
- `asn` - (Optional) A number that uniquely identifies an autonomous system.
- `name_alias` - (Optional) name_alias for object autonomous_system_profile.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Autonomous System Profile.

Importing

An existing Autonomous System Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_autonomous_system_profile.example <Dn>
```

aci_cloud_cidr_pool

Manages ACI Cloud CIDR Pool Note: This resource is supported in Cloud APIC only.

Example Usage

```
resource "aci_cloud_cidr_pool" "foocloud_cidr_pool" {
    cloud_context_profile_dn = "${aci_cloud_context_profile.foocloud_context_profile.id}"
    description              = "cloud CIDR"
    addr                     = "10.0.1.10/28"
    annotation               = "tag_cidr"
    name_alias               = "%s"
    primary                  = "yes"
}
```

Argument Reference

- `cloud_context_profile_dn` - (Required) Distinguished name of parent CloudContextProfile object.
- `addr` - (Required) CIDR IPv4 block.
- `annotation` - (Optional) annotation for object cloud_cidr_pool.
- `name_alias` - (Optional) name_alias for object cloud_cidr_pool.
- `primary` - (Optional) Flag to specify whether CIDR is primary CIDR or not. Allowed values are "yes" and "no". Default is "no". Only one primary CIDR is supported under a cloud context profile.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Cloud CIDR Pool.

Importing

An existing Cloud CIDR Pool can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_cloud_cidr_pool.example <Dn>
```

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aci_firmware_download_task

Manages ACI Firmware Download Task

Example Usage

```
resource "aci_firmware_download_task" "example" {


  name  = "example"
  annotation  = "example"
  auth_pass  = "example"
  auth_type  = "example"
  dnld_task_flip  = "example"
  identity_private_key_contents  = "example"
  identity_private_key_passphrase  = "example"
  identity_public_key_contents  = "example"
  load_catalog_if_exists_and_newer  = "example"
  name_alias  = "example"
  password  = "example"
  polling_interval  = "example"
  proto  = "example"
  url  = "example"
  user  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object firmware_download_task.
- `annotation` - (Optional) annotation for object firmware_download_task.
- `auth_pass` - (Optional) authentication type. Allowed values: "password", "key"
- `auth_type` - (Optional) ospf authentication type specifier. Allowed values: "usePassword", "useSshKeyContents"
- `dnld_task_flip` - (Optional) dnld_task_flip for object firmware_download_task.
- `identity_private_key_contents` - (Optional) identity_private_key_contents for object firmware_download_task.
- `identity_private_key_passphrase` - (Optional) identity_private_key_passphrase for object firmware_download_task.

- `identity_public_key_contents` - (Optional) identity_public_key_contents for object firmware_download_task.
- `load_catalog_if_exists_and_newer` - (Optional) tracks to load the contained catalog or newer. Allowed values: "yes", "no"
- `name_alias` - (Optional) name_alias for object firmware_download_task.
- `password` - (Optional) password/key string
- `polling_interval` - (Optional) polling interval
- `proto` - (Optional) download protocol. Allowed values: "scp", "http", "usbkey", "local"
- `url` - (Optional) URL of image of source
- `user` - (Optional) username for source

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Firmware Download Task.

Importing

An existing Firmware Download Task can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_firmware_download_task.example <Dn>
```

aci_application_epg

Manages ACI Application EPG

Example Usage

```
resource "aci_application_epg" "fooapplication_epg" {
  application_profile_dn  = "${aci_application_profile.app_profile_for_epg.id}"
  name                            = "demo_epg"
  description                   = "%s"
  annotation                    = "tag_epg"
  exception_tag               = "0"
  flood_on_encap            = "disabled"
  fwd_ctrl                    = "none"
  has_mcast_source            = "no"
  is_attr_based_epg       = "no"
  match_t                         = "AtleastOne"
  name_alias                  = "alias_epg"
  pc_enf_pref                 = "unenforced"
  pref_gr_memb                = "exclude"
  prio                            = "unspecified"
  shutdown                    = "no"
}
```

Argument Reference

- `application_profile_dn` - (Required) Distinguished name of parent ApplicationProfile object.
- `name` - (Required) name of Object application_epg.
- `annotation` - (Optional) annotation for object application_epg.
- `exception_tag` - (Optional) exception_tag for object application_epg. Range: "0" - "512" .
- `flood_on_encap` - (Optional) Control at EPG level if the traffic L2 Multicast/Broadcast and Link Local Layer should be flooded only on ENCAP or based on bridg-domain settings. Allowed values are "disabled" and "enabled". Default is "disabled".
- `fwd_ctrl` - (Optional) Forwarding control at EPG level. Allowed values are "none" and "proxy-arp". Default is "none".
- `has_mcast_source` - (Optional) If the source for the EPG is multicast or not. Allowed values are "yes" and "no". Default values is "no".

- `is_attr_based_epg` - (Optional) If the EPG is attribute based or not. Allowed values are "yes" and "no". Default is "yes".
- `match_t` - (Optional) The provider label match criteria for EPG. Allowed values are "All", "AtleastOne", "AtmostOne", "None". Default is "AtleastOne".
- `name_alias` - (Optional) name_alias for object application_epg.
- `pc_enf_pref` - (Optional) The preferred policy control. Allowed values are "unenforced" and "enforced". Default is "unenforced".
- `pref_gr_memb` - (Optional) Represents parameter used to determine if EPg is part of a group that does not a contract for communication. Allowed values are "exclude" and "include". Default is "exclude".
- `prio` - (Optional) qos priority class id. Allowed values are "unspecified", "level1", "level2", "level3", "level4", "level5" and "level6". Default is "unspecified.
- `shutdown` - (Optional) shutdown for object application_epg. Allowed values are "yes" and "no". Default is "no".
- `relation_fv_rs_bd` - (Optional) Relation to class fvBD. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_cust_qos_pol` - (Optional) Relation to class qosCustomPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_fc_path_att` - (Optional) Relation to class fabricPathEp. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_prov` - (Optional) Relation to class vzBrCP. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_graph_def` - (Optional) Relation to class vzGraphCont. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_cons_if` - (Optional) Relation to class vzCPIf. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_sec_inherited` - (Optional) Relation to class fvEPg. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_node_att` - (Optional) Relation to class fabricNode. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_dpp_pol` - (Optional) Relation to class qosDppPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_cons` - (Optional) Relation to class vzBrCP. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_prov_def` - (Optional) Relation to class vzCtrctEPgCont. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_trust_ctrl` - (Optional) Relation to class fhsTrustCtrlPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_prot_by` - (Optional) Relation to class vzTaboo. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_aepg_mon_pol` - (Optional) Relation to class monEPGPol. Cardinality - N_TO_ONE. Type -

String.

- `relation_fv_rs_intra_epg` - (Optional) Relation to class vzBrCP. Cardinality - N_TO_M. Type - Set of String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Application EPG.

Importing

An existing Application EPG can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_application_epg.example <Dn>
```

aci_application_profile

Manages ACI Application Profile

Example Usage

```
resource "aci_application_profile" "test_ap" {
  tenant_dn  = "${aci_tenant.dev_tenant.id}"
  name       = "demo_ap"
  annotation = "tag1,tag2"
  name_alias = "test_ap"
  prio       = "level1"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object application_profile.
- `annotation` - (Optional) annotation for object application_profile.
- `name_alias` - (Optional) name_alias for object application_profile.
- `prio` - (Optional) priority class id. Allowed values are "unspecified", "level1", "level2", "level3", "level4", "level5" and "level6". Default is "unspecified.
- `relation_fv_rs_ap_mon_pol` - (Optional) Relation to class monEPGPol. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Application Profile.

Importing

An existing Application Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_application_profile.example <Dn>
```

aci_bridge_domain

Manages ACI Bridge Domain

Example Usage

```
resource "aci_bridge_domain" "foobridge_domain" {
    tenant_dn                   = "${aci_tenant.tenant_for_bd.id}"
    description                 = "sample bridge domain"
    name                        = "demo_bd"
    optimize_wan_bandwidth      = "no"
    annotation                  = "tag_bd"
    arp_flood                   = "no"
    ep_clear                    = "no"
    ep_move_detect_mode         = "garp"
    host_based_routing          = "no"
    intersite_bum_traffic_allow = "yes"
    intersite_l2_stretch        = "yes"
    ip_learning                 = "yes"
    ipv6_mcast_allow            = "no"
    limit_ip_learn_to_subnets   = "yes"
    mac                         = "00:22:BD:F8:19:FF"
    mcast_allow                 = "yes"
    multi_dst_pkt_act           = "bd-flood"
    name_alias                  = "alias_bd"
    bridge_domain_type          = "regular"
    unicast_route               = "no"
    unk_mac_ucast_act           = "flood"
    unk_mcast_act               = "flood"
    vmac                        = "not-applicable"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object bridge_domain.
- `optimize_wan_bandwidth` - (Optional) Flag to enable OptimizeWanBandwidth between sites. Allowed values are "yes" and "no". Default is "no".
- `annotation` - (Optional) annotation for object bridge_domain.
- `arp_flood` - (Optional) A property to specify whether ARP flooding is enabled. If flooding is disabled, unicast

routing will be performed on the target IP address. Allowed values are "yes" and "no". Default is "no".

- `ep_clear` - (Optional) Represents the parameter used by the node (i.e. Leaf) to clear all EPs in all leaves for this BD. Allowed values are "yes" and "no". Default is "no".
- `ep_move_detect_mode` - (Optional) The End Point move detection option uses the Gratuitous Address Resolution Protocol (GARP). A gratuitous ARP is an ARP broadcast-type of packet that is used to verify that no other device on the network has the same IP address as the sending device. Allowed value: "garp"
- `host_based_routing` - (Optional) enables advertising host routes out of l3outs of this BD. Allowed values are "yes" and "no". Default is "no".
- `intersite_bum_traffic_allow` - (Optional) Control whether BUM traffic is allowed between sites .Allowed values are "yes" and "no". Default is "no".
- `intersite_l2_stretch` - (Optional) Flag to enable l2Stretch between sites. Allowed values are "yes" and "no". Default is "no".
- `ip_learning` - (Optional) Endpoint Dataplane Learning.Allowed values are "yes" and "no". Default is "yes".
- `ipv6_mcast_allow` - (Optional) Flag to indicate multicast IpV6 is allowed or not.Allowed values are "yes" and "no". Default is "no".
- `limit_ip_learn_to_subnets` - (Optional) Limits IP address learning to the bridge domain subnets only. Every BD can have multiple subnets associated with it. By default, all IPs are learned. Allowed values are "yes" and "no". Default is "yes".
- `ll_addr` - (Optional) override of system generated ipv6 link-local address.
- `mac` - (Optional) The MAC address of the bridge domain (BD) or switched virtual interface (SVI). Every BD by default takes the fabric-wide default MAC address. You can override that address with a different one. By default the BD will take a 00:22:BD:F8:19:FF mac address.
- `mcast_allow` - (Optional) Flag to indicate if multicast is enabled for IpV4 addresses. Allowed values are "yes" and "no". Default is "no".
- `multi_dst_pkt_act` - (Optional) The multiple destination forwarding method for L2 Multicast, Broadcast, and Link Layer traffic types. Allowed values are "bd-flood", "encap-flood" and "drop". Default is "bd-flood".
- `name_alias` - (Optional) name_alias for object bridge_domain.
- `bridge_domain_type` - (Optional) The specific type of the object or component. Allowed values are "regular" and "fc". Default is "regular".
- `unicast_route` - (Optional) The forwarding method based on predefined forwarding criteria (IP or MAC address). Allowed values are "yes" and "no". Default is "yes".
- `unk_mac_ucast_act` - (Optional) The forwarding method for unknown layer 2 destinations. Allowed values are "flood" and "proxy". Default is "proxy".
- `unk_mcast_act` - (Optional) The parameter used by the node (i.e. a leaf) for forwarding data for an unknown

multicast destination. Allowed values are "flood" and "opt-flood". Default is "flood".

- `v6unk_mcast_act` - (Optional) v6unk_mcast_act for object bridge_domain.
- `vmac` - (Optional) Virtual MAC address of the BD/SVI. This is used when the BD is extended to multiple sites using l2 Outside. Only allowed values is "not-applicable".
- `relation_fv_rs_bd_to_profile` - (Optional) Relation to class rtctrlProfile. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_mldsn` - (Optional) Relation to class mldSnoopPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_abd_pol_mon_pol` - (Optional) Relation to class monEPGPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_bd_to_nd_p` - (Optional) Relation to class ndIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_bd_flood_to` - (Optional) Relation to class vzFilter. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_bd_to_fhs` - (Optional) Relation to class fhsBDPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_bd_to_relay_p` - (Optional) Relation to class dhcpRelayP. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_ctx` - (Optional) Relation to class fvCtx. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_bd_to_netflow_monitor_pol` - (Optional) Relation to class netflowMonitorPol. Cardinality - N_TO_M. Type - Set of Map.
- `relation_fv_rs_igmpsn` - (Optional) Relation to class igmpSnoopPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_bd_to_ep_ret` - (Optional) Relation to class fvEpRetPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_bd_to_out` - (Optional) Relation to class l3extOut. Cardinality - N_TO_M. Type - Set of String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Bridge Domain.

Importing

An existing Bridge Domain can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_bridge_domain.example <Dn>
```

aci_vrf

Manages ACI VRF

Example Usage

```
resource "aci_vrf" "foovrf" {
  tenant_dn                = "${aci_tenant.tenant_for_vrf.id}"
  name                   = "demo_vrf"
  annotation             = "tag_vrf"
  bd_enforced_enable     = "no"
  ip_data_plane_learning = "enabled"
  knw_mcast_act          = "permit"
  name_alias             = "alias_vrf"
  pc_enf_dir             = "egress"
  pc_enf_pref            = "unenforced"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object vrf.
- `annotation` - (Optional) annotation tags for object vrf.
- `bd_enforced_enable` - (Optional) Flag to enable/disable bd_enforced for VRF.Allowed values are "yes" and "no". Default is "no".
- `ip_data_plane_learning` - (Optional) Flag to enable/disable ip-data-plane learning for VRF. Allowed values are "enabled" and "disabled". Default is "enabled".
- `knw_mcast_act` - (Optional) specifies if known multicast traffic is forwarded or not. Allowed values are "permit" and "deny". Default is "permit".
- `name_alias` - (Optional) name_alias for object vrf.
- `pc_enf_dir` - (Optional) Policy Control Enforcement Direction. It is used for defining policy enforcement direction for the traffic coming to or from an L3Out. Egress and Ingress directions are wrt L3Out. Default will be Ingress. But on the existing L3Outs during upgrade it will get set to Egress so that right after upgrade behavior doesn't change for them. This also means that there is no special upgrade sequence needed for upgrading to the release introducing this feature. After upgrade user would have to change the property value

to Ingress. Once changed, system will reprogram the rules and prefix entry. Rules will get removed from the egress leaf and will get installed on the ingress leaf. Actrl prefix entry, if not already, will get installed on the ingress leaf. This feature will be ignored for the following cases: 1. Golf: Gets applied at Ingress by design. 2. Transit Rules get applied at Ingress by design. 4. vzAny 5. Taboo. Allowed values are "egress" and "ingress". Default is "ingress".

- `pc_enf_pref` - (Optional) Determines if the fabric should enforce contract policies to allow routing and packet forwarding. Allowed values are "enforced" and "unenforced". Default is "enforced".
- `relation_fv_rs_ospf_ctx_pol` - (Optional) Relation to class ospfCtxPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_vrf_validation_pol` - (Optional) Relation to class l3extVrfValidationPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_ctx_mcast_to` - (Optional) Relation to class vzFilter. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_ctx_to_eigrp_ctx_af_pol` - (Optional) Relation to class eigrpCtxAfPol. Cardinality - N_TO_M. Type - Set of Map.
- `relation_fv_rs_ctx_to_ospf_ctx_pol` - (Optional) Relation to class ospfCtxPol. Cardinality - N_TO_M. Type - Set of Map.
- `relation_fv_rs_ctx_to_ep_ret` - (Optional) Relation to class fvEpRetPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_bgp_ctx_pol` - (Optional) Relation to class bgpCtxPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_ctx_mon_pol` - (Optional) Relation to class monEPGPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_ctx_to_ext_route_tag_pol` - (Optional) Relation to class l3extRouteTagPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_ctx_to_bgp_ctx_af_pol` - (Optional) Relation to class bgpCtxAfPol. Cardinality - N_TO_M. Type - Set of Map.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the VRF.

Importing

An existing VRF can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_vrf.example <Dn>
```

aci_end_point_retention_policy

Manage End Point (EP) retention protocol policies

Example Usage

```
resource "aci_end_point_retention_policy" "fooend_point_retention_policy" {
    tenant_dn           = "${aci_tenant.tenant_for_ret_pol.id}"
    description         = "%s"
    name                = "demo_ret_pol"
    annotation          = "tag_ret_pol"
    bounce_age_intvl    = "630"
    bounce_trig         = "%s"
    hold_intvl          = "6"
    local_ep_age_intvl  = "900"
    move_freq           = "256"
    name_alias          = "alias_demo"
    remote_ep_age_intvl = "300"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object end_point_retention_policy.
- `annotation` - (Optional) annotation for object end_point_retention_policy.
- `bounce_age_intvl` - (Optional) The aging interval for a bounce entry. When an endpoint (VM) migrates to another switch, the endpoint is marked as bouncing for the specified aging interval and is deleted afterwards. Allowed value range is "0" - "0xffff". Default is "630".
- `bounce_trig` - (Optional) Specifies whether to install the bounce entry by RARP flood or by COOP protocol. Allowed values are "rarp-flood" and "protocol". Default is "protocol".
- `hold_intvl` - (Optional) A time period during which new endpoint learn events will not be honored. This interval is triggered when the maximum endpoint move frequency is exceeded. Allowed value range is "5" - "0xffff". Default is "300".
- `local_ep_age_intvl` - (Optional) The aging interval for all local endpoints learned in this bridge domain. When 75% of the interval is reached, 3 ARP requests are sent to verify the existence of the endpoint. If no response is received, the endpoint is deleted. Allowed value range is "120" - "0xffff". Default is "900". "0" is

treated as special value here. Providing interval as "0" is treated as infinite interval.

- `move_freq` - (Optional) A maximum allowed number of endpoint moves per second. If the move frequency is exceeded, the hold interval is triggered, and new endpoint learn events will not be honored until after the hold interval expires. Allowed value range is "0" - "0xffff". Default is "256".
- `name_alias` - (Optional) name_alias for object end_point_retention_policy.
- `remote_ep_age_intvl` - (Optional) The aging interval for all remote endpoints learned in this bridge domain.Allowed value range is "120" - "0xffff". Default is "900". "0" is treated as special value here. Providing interval as "0" is treated as infinite interval.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the End Point Retention Policy.

Importing

An existing End Point Retention Policy can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_end_point_retention_policy.example <Dn>
```

aci_ranges

Manages ACI Ranges

Example Usage

```
resource "aci_ranges" "example" {

  vlan_pool_dn  = "${aci_vlan_pool.example.id}"

  _from  = "example"

  to  = "example"
  alloc_mode  = "example"
  annotation  = "example"
  from  = "example"
  name_alias  = "example"
  role  = "example"
}
```

Argument Reference

- `vlan_pool_dn` - (Required) Distinguished name of parent VLANPool object.
- `_from` - (Required) _from of Object ranges.
- `to` - (Required) to of Object ranges.
- `alloc_mode` - (Optional) alloc_mode for object ranges. Allowed values: "dynamic", "static", "inherit"
- `annotation` - (Optional) annotation for object ranges.
- `from` - (Optional) encapsulation block start
- `name_alias` - (Optional) name_alias for object ranges.
- `role` - (Optional) system role type. Allowed values: "external", "internal"
- `to` - (Optional) encapsulation block end

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Ranges.

Importing

An existing Ranges can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_ranges.example <Dn>
```

aci_vlan_pool

Manages ACI VLAN Pool

Example Usage

```
resource "aci_vlan_pool" "example" {


  name  = "example"

  alloc_mode  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object vlan_pool.
- `alloc_mode` - (Optional) allocation mode. Allowed values: "dynamic", "static"
- `annotation` - (Optional) annotation for object vlan_pool.
- `name_alias` - (Optional) name_alias for object vlan_pool.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the VLAN Pool.

Importing

An existing VLAN Pool can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_vlan_pool.example <Dn>
```

aci_vsan_pool

Manages ACI VSAN Pool

Example Usage

```
resource "aci_vsan_pool" "example" {


  name  = "example"

  alloc_mode  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object vsan_pool.
- `alloc_mode` - (Optional) alloc_mode for object vsan_pool. Allowed values: "dynamic", "static"
- `annotation` - (Optional) annotation for object vsan_pool.
- `name_alias` - (Optional) name_alias for object vsan_pool.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the VSAN Pool.

Importing

An existing VSAN Pool can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_vsan_pool.example <Dn>
```

aci_vxlan_pool

Manages ACI VXLAN Pool

Example Usage

```
resource "aci_vxlan_pool" "example" {


  name  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object vxlan_pool.
- `annotation` - (Optional) annotation for object vxlan_pool.
- `name_alias` - (Optional) name_alias for object vxlan_pool.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the VXLAN Pool.

Importing

An existing VXLAN Pool can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_vxlan_pool.example <Dn>
```

aci_epg_to_domain

Manages ACI epg to Domain

Example Usage

```
resource "aci_epg_to_domain" "example" {

  application_epg_dn    = "${aci_application_epg.example.id}"
  tdn                   = "${aci_vmm_domain.example.id}"
  vmm_allow_promiscuous = "accept"
  vmm_forged_transmits  = "reject"
  vmm_mac_changes       = "accept"
}
```

Argument Reference

- `application_epg_dn` - (Required) Distinguished name of parent ApplicationEPG object.
- `tdn` - (Required) Distinguished Name of Target Domain object.
- `annotation` - (Optional) annotation for object domain.
- `binding_type` - (Optional) binding_type for object domain. Allowed values: "none", "staticBinding", "dynamicBinding", "ephemeral",
- `class_pref` - (Optional) class_pref for object domain. Allowed values: "encap", "useg"
- `delimiter` - (Optional) delimiter for object domain.
- `encap` - (Optional) port encapsulation
- `encap_mode` - (Optional) encap_mode for object domain. Allowed values: "auto", "vlan", "vxlan"
- `epg_cos` - (Optional) epg_cos for object domain. Allowed values: "Cos0", "Cos1", "Cos2", "Cos3", "Cos4", "Cos5", "Cos6", "Cos7"
- `epg_cos_pref` - (Optional) epg_cos_pref for object domain. Allowed values: "disabled", "enabled"
- `instr_imedcy` - (Optional) determines when policies are pushed to cam. Allowed values: "immediate", "lazy"
- `lag_policy_name` - (Optional) lag_policy_name for object domain.

- `netflow_dir` - (Optional) netflow_dir for object domain. Allowed values: "ingress", "egress", "both"
- `netflow_pref` - (Optional) netflow_pref for object domain. Allowed values: "disabled", "enabled"
- `num_ports` - (Optional) number of ports existing operationally in module
- `port_allocation` - (Optional) port_allocation for object domain.
- `primary_encap` - (Optional) primary_encap for object domain.
- `primary_encap_inner` - (Optional) primary_encap_inner for object domain.
- `res_imedcy` - (Optional) policy resolution. Allowed values: "immediate", "lazy", "pre-provision"
- `secondary_encap_inner` - (Optional) secondary_encap_inner for object domain.
- `switching_mode` - (Optional) switching_mode for object domain. Allowed values: "native", "AVE"
- `vmm_allow_promiscuous` - (Optional) allow_promiscuous for object vmm_security_policy.
- `vmm_forged_transmits` - (Optional) forged_transmits for object vmm_security_policy.
- `vmm_mac_changes` - (Optional) mac_changes for object vmm_security_policy.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Domain. * `vmm_id` - which is set to the Dn of the VMM Security Policy.

Importing

An existing Domain can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_domain.example <Dn>
```

aci_epg_to_static_path

Manages ACI Static Path

Example Usage

```
resource "aci_epg_to_static_path" "example" {

  application_epg_dn  = "${aci_application_epg.example.id}"

  tDn  = "example"
  annotation  = "example"
  encap  = "example"
  instr_imedcy  = "example"
  mode  = "example"
  primary_encap  = "example"
}
```

Argument Reference

- `application_epg_dn` - (Required) Distinguished name of parent ApplicationEPG object.
- `tDn` - (Required) tDn of Object static_path.
- `annotation` - (Optional) annotation for object static_path.
- `encap` - (Optional) encapsulation
- `instr_imedcy` - (Optional) immediacy. Allowed values: "immediate", "lazy"
- `mode` - (Optional) mode of the static association with the path. Allowed values: "regular", "native", "untagged"
- `primary_encap` - (Optional) primary_encap for object static_path.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Static Path.

Importing

An existing Static Path can be imported (https://www.terraform.io/docs/import/index.html) into this resource via

its Dn, via the following command:

```
terraform import aci_static_path.example <Dn>
```

aci_subnet

Manages ACI Subnet

Example Usage

```
resource "aci_subnet" "foosubnet" {
    parent_dn        = "${aci_bridge_domain.bd_for_subnet.id}"
    description      = "%s"
    ip               = "10.0.3.28/27"
    annotation       = "tag_subnet"
    ctrl             = "%s"
    name_alias       = "alias_subnet"
    preferred        = "no"
    scope            = "private"
    virtual          = "yes"
}
```

Argument Reference

- `parent_dn` - (Required) Distinguished name of parent object.
- `ip` - (Required) The IP address and mask of the default gateway.
- `annotation` - (Optional) annotation for object subnet.
- `ctrl` - (Optional) The subnet control state. The control can be specific protocols applied to the subnet such as IGMP Snooping. Allowed values are "unspecified", "querier", "nd" and "no-default-gateway". Default is "nd".
- `name_alias` - (Optional) name_alias for object subnet.
- `preferred` - (Optional) Indicates if the subnet is preferred (primary) over the available alternatives. Only one preferred subnet is allowed. Allowed values are "yes" and "no". Default is "no".
- `scope` - (Optional) The network visibility of the subnet. Allowed values are "private", "public" and "shared". Default is "private".
- `virtual` - (Optional) Treated as virtual IP address. Used in case of BD extended to multiple sites. Allowed values are "yes" and "no". Default is "no".

- `relation_fv_rs_bd_subnet_to_out` - (Optional) Relation to class l3extOut. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_nd_pfx_pol` - (Optional) Relation to class ndPfxPol. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_bd_subnet_to_profile` - (Optional) Relation to class rtctrlProfile. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Subnet.

Importing

An existing Subnet can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_subnet.example <Dn>
```

aci_tenant

Manages ACI Tenant

Example Usage

```
resource "aci_tenant" "footenant" {
  description = "%s"
  name        = "demo_tenant"
  annotation  = "tag_tenant"
  name_alias  = "alias_tenant"
}
```

Argument Reference

- `name` - (Required) name of Object tenant.
- `annotation` - (Optional) annotation for object tenant.
- `name_alias` - (Optional) name_alias for object tenant.
- `relation_fv_rs_tn_deny_rule` - (Optional) Relation to class vzFilter. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_tenant_mon_pol` - (Optional) Relation to class monEPGPol. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Tenant.

Importing

An existing Tenant can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_tenant.example <Dn>
```

aci_leaf_access_bundle_policy_group

Manages ACI leaf access bundle policy group

Example Usage

```
resource "aci_leaf_access_bundle_policy_group " "example" {
  name        = "example"
  annotation  = "example"
  lag_t       = "example"
  name_alias  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object aci_leaf_access_bundle_policy_group .
- `annotation` - (Optional) annotation for object aci_leaf_access_bundle_policy_group .
- `lag_t` - (Optional) The bundled ports group link aggregation type: port channel vs virtual port channel. Allowed values are "not-aggregated", "node" and "link". Default is "link".
- `name_alias` - (Optional) name_alias for object aci_leaf_access_bundle_policy_group .
- `relation_infra_rs_span_v_src_grp` - (Optional) Relation to class spanVSrcGrp. Cardinality - N_TO_M. Type - Set of String.
- `relation_infra_rs_acc_bndl_grp_to_aggr_if` - (Optional) Relation to class pcAggrIf. Cardinality - ONE_TO_M. Type - Set of String.
- `relation_infra_rs_stormctrl_if_pol` - (Optional) Relation to class stormctrlIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_lldp_if_pol` - (Optional) Relation to class lldpIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_macsec_if_pol` - (Optional) Relation to class macsecIfPol. Cardinality - N_TO_ONE. Type - String.

- `relation_infra_rs_qos_dpp_if_pol` - (Optional) Relation to class qosDppPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_h_if_pol` - (Optional) Relation to class fabricHIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_netflow_monitor_pol` - (Optional) Relation to class netflowMonitorPol. Cardinality - N_TO_M. Type - Set of Map.
- `relation_infra_rs_l2_port_auth_pol` - (Optional) Relation to class l2PortAuthPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_mcp_if_pol` - (Optional) Relation to class mcpIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_l2_port_security_pol` - (Optional) Relation to class l2PortSecurityPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_copp_if_pol` - (Optional) Relation to class coppIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_span_v_dest_grp` - (Optional) Relation to class spanVDestGrp. Cardinality - N_TO_M. Type - Set of String.
- `relation_infra_rs_lacp_pol` - (Optional) Relation to class lacpLagPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_cdp_if_pol` - (Optional) Relation to class cdpIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_qos_pfc_if_pol` - (Optional) Relation to class qosPfcIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_qos_sd_if_pol` - (Optional) Relation to class qosSdIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_mon_if_infra_pol` - (Optional) Relation to class monInfraPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_fc_if_pol` - (Optional) Relation to class fcIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_qos_ingress_dpp_if_pol` - (Optional) Relation to class qosDppPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_qos_egress_dpp_if_pol` - (Optional) Relation to class qosDppPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_l2_if_pol` - (Optional) Relation to class l2IfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_stp_if_pol` - (Optional) Relation to class stpIfPol. Cardinality - N_TO_ONE. Type - String.

- `relation_infra_rs_att_ent_p` - (Optional) Relation to class infraAttEntityP. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_l2_inst_pol` - (Optional) Relation to class l2InstPol. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the leaf access bundle policy group.

Importing

An existing leaf access bundle policy group can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_leaf_access_bundle_policy_group.example <Dn>
```

aci_leaf_access_port_policy_group

Manages ACI Leaf Access Port Policy Group

Example Usage

```
resource "aci_leaf_access_port_policy_group" "fooleaf_access_port_policy_group" {
    description = "%s"
    name        = "demo_access_port"
    annotation  = "tag_ports"
    name_alias  = "%s"
}
```

Argument Reference

- `name` - (Required) name of Object leaf_access_port_policy_group.
- `annotation` - (Optional) annotation for object leaf_access_port_policy_group.
- `name_alias` - (Optional) name_alias for object leaf_access_port_policy_group.
- `relation_infra_rs_span_v_src_grp` - (Optional) Relation to class spanVSrcGrp. Cardinality - N_TO_M. Type - Set of String.
- `relation_infra_rs_stormctrl_if_pol` - (Optional) Relation to class stormctrlIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_poe_if_pol` - (Optional) Relation to class poeIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_lldp_if_pol` - (Optional) Relation to class lldpIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_macsec_if_pol` - (Optional) Relation to class macsecIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_qos_dpp_if_pol` - (Optional) Relation to class qosDppPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_h_if_pol` - (Optional) Relation to class fabricHIfPol. Cardinality - N_TO_ONE. Type - String.

- `relation_infra_rs_netflow_monitor_pol` - (Optional) Relation to class netflowMonitorPol. Cardinality - N_TO_M. Type - Set of Map.
- `relation_infra_rs_l2_port_auth_pol` - (Optional) Relation to class l2PortAuthPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_mcp_if_pol` - (Optional) Relation to class mcpIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_l2_port_security_pol` - (Optional) Relation to class l2PortSecurityPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_copp_if_pol` - (Optional) Relation to class coppIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_span_v_dest_grp` - (Optional) Relation to class spanVDestGrp. Cardinality - N_TO_M. Type - Set of String.
- `relation_infra_rs_dwdm_if_pol` - (Optional) Relation to class dwdmIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_qos_pfc_if_pol` - (Optional) Relation to class qosPfcIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_qos_sd_if_pol` - (Optional) Relation to class qosSdIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_mon_if_infra_pol` - (Optional) Relation to class monInfraPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_fc_if_pol` - (Optional) Relation to class fcIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_qos_ingress_dpp_if_pol` - (Optional) Relation to class qosDppPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_cdp_if_pol` - (Optional) Relation to class cdpIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_l2_if_pol` - (Optional) Relation to class l2IfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_stp_if_pol` - (Optional) Relation to class stpIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_qos_egress_dpp_if_pol` - (Optional) Relation to class qosDppPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_att_ent_p` - (Optional) Relation to class infraAttEntityP. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_l2_inst_pol` - (Optional) Relation to class l2InstPol. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Leaf Access Port Policy Group.

Importing

An existing Leaf Access Port Policy Group can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_leaf_access_port_policy_group.example <Dn>
```

aci_leaf_interface_profile

Manages ACI Leaf Interface Profile

Example Usage

```
resource "aci_leaf_interface_profile" "fooleaf_interface_profile" {
    description = "%s"
    name        = "demo_leaf_profile"
    annotation  = "tag_leaf"
    name_alias  = "%s"
}
```

Argument Reference

- `name` - (Required) name of Object leaf_interface_profile.
- `annotation` - (Optional) annotation for object leaf_interface_profile.
- `name_alias` - (Optional) name_alias for object leaf_interface_profile.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Leaf Interface Profile.

Importing

An existing Leaf Interface Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_leaf_interface_profile.example <Dn>
```

aci_attachable_access_entity_profile

Manages ACI Attachable Access Entity Profile

Example Usage

```
resource "aci_attachable_access_entity_profile" "fooattachable_access_entity_profile" {
    description = "%s"
    name        = "demo_entity_prof"
    annotation  = "tag_entity"
    name_alias  = "%s"
}
```

Argument Reference

- `name` - (Required) name of Object attachable_access_entity_profile.
- `annotation` - (Optional) annotation for object attachable_access_entity_profile.
- `name_alias` - (Optional) name_alias for object attachable_access_entity_profile.
- `relation_infra_rs_dom_p` - (Optional) Relation to class infraADomP. Cardinality - N_TO_M. Type - Set of String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Attachable Access Entity Profile.

Importing

An existing Attachable Access Entity Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_attachable_access_entity_profile.example <Dn>
```

aci_fex_bundle_group

Manages ACI Fex Bundle Group

Example Usage

```
resource "aci_fex_bundle_group" "example" {
  fex_profile_dn  = "${aci_fex_profile.example.id}"
  name            = "example"
  annotation      = "example"
  name_alias      = "example"
}
```

Argument Reference

- `fex_profile_dn` - (Required) Distinguished name of parent FEXProfile object.
- `name` - (Required) name of Object fex_bundle_group.
- `annotation` - (Optional) annotation for object fex_bundle_group.
- `name_alias` - (Optional) name_alias for object fex_bundle_group.
- `relation_infra_rs_mon_fex_infra_pol` - (Optional) Relation to class monInfraPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_fex_bndl_grp_to_aggr_if` - (Optional) Relation to class pcAggrIf. Cardinality - ONE_TO_M. Type - Set of String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Fex Bundle Group.

Importing

An existing Fex Bundle Group can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_fex_bundle_group.example <Dn>
```

aci_fex_profile

Manages ACI FEX Profile

Example Usage

```
resource "aci_fex_profile" "example" {
  name        = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object fex_profile.
- `annotation` - (Optional) annotation for object fex_profile.
- `name_alias` - (Optional) name_alias for object fex_profile.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the FEX Profile.

Importing

An existing FEX Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_fex_profile.example <Dn>
```

aci_access_generic

Manages ACI Access Generic

Example Usage

```
resource "aci_access_generic" "example" {
  attachable_access_entity_profile_dn   = "${aci_attachable_access_entity_profile.example.id}"
  name                                  = "example"
  annotation                            = "example"
  name_alias                            = "example"
}
```

Argument Reference

- `attachable_access_entity_profile_dn` - (Required) Distinguished name of parent AttachableAccessEntityProfile object.
- `name` - (Required) name of Object access_generic.
- `annotation` - (Optional) annotation for object access_generic.
- `name_alias` - (Optional) name_alias for object access_generic.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Access Generic.

Importing

An existing Access Generic can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_access_generic.example <Dn>
```

aci_access_port_selector

Manages ACI Access Port Selector

Example Usage

```
resource "aci_access_port_selector" "fooaccess_port_selector" {
    leaf_interface_profile_dn = "${aci_leaf_interface_profile.example.id}"
    description               = "%s"
    name                      = "demo_port_selector"
    access_port_selector_type = "%s"
    annotation                = "tag_port_selector"
    name_alias                = "alias_port_selector"
}
```

Argument Reference

- `leaf_interface_profile_dn` - (Required) Distinguished name of parent LeafInterfaceProfile object.
- `name` - (Required) name of Object access_port_selector.
- `access_port_selector_type` - (Required) The host port selector type.Allowed values are "ALL" and "range". Default is "ALL".
- `annotation` - (Optional) annotation for object access_port_selector.
- `name_alias` - (Optional) name_alias for object access_port_selector.
- `access_port_selector_type` - (Optional) host port selector type. Allowed values: "ALL", "range"
- `relation_infra_rs_acc_base_grp` - (Optional) Relation to class infraAccBaseGrp. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Access Port Selector.

Importing

An existing Access Port Selector can be imported (https://www.terraform.io/docs/import/index.html) into this

resource via its Dn, via the following command:

```
terraform import aci_access_port_selector.example <Dn>
```

aci_leaf_selector

Manages ACI Leaf Selector

Example Usage

```
resource "aci_leaf_selector" "example" {

  leaf_profile_dn  = "${aci_leaf_profile.example.id}"

  name  = "example"

  switch_association_type  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `leaf_profile_dn` - (Required) Distinguished name of parent LeafProfile object.
- `name` - (Required) name of Object switch_association.
- `switch_association_type` - (Required) switch_association_type of Object switch_association. Allowed values: "ALL", "range", "ALL_IN_POD"
- `annotation` - (Optional) annotation for object switch_association.
- `name_alias` - (Optional) name_alias for object switch_association.
- `switch_association_type` - (Optional) leaf selector type
- `relation_infra_rs_acc_node_p_grp` - (Optional) Relation to class infraAccNodePGrp. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Switch Association.

Importing

An existing Switch Association can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_leaf_selector.example <Dn>
```

aci_node_block

Manages ACI Node Block

Example Usage

```
resource "aci_node_block" "check" {
  switch_association_dn   = "${aci_leaf_selector.example.id}"
  name                    = "block"
  annotation              = "aci_node_block"
  from_                   = "105"
  name_alias              = "node_block"
  to_                     = "106"
}
```

Argument Reference

- `switch_association_dn` - (Required) Distinguished name of parent SwitchAssociation object.
- `name` - (Required) name of Object node_block.
- `annotation` - (Optional) annotation for object node_block.
- `from_` - (Optional) from Node ID. Range from 101 to 110
- `name_alias` - (Optional) name_alias for object node_block.
- `to_` - (Optional) to node ID. Range from 101 to 110

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Node Block.

Importing

An existing Node Block can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_node_block.example <Dn>
```

aci_leaf_profile

Manages ACI Leaf Profile

Example Usage

```
resource "aci_leaf_profile" "example" {
  name        = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object leaf_profile.
- `annotation` - (Optional) annotation for object leaf_profile.
- `name_alias` - (Optional) name_alias for object leaf_profile.
- `relation_infra_rs_acc_card_p` - (Optional) Relation to class infraAccCardP. Cardinality - N_TO_M. Type - Set of String.
- `relation_infra_rs_acc_port_p` - (Optional) Relation to class infraAccPortP. Cardinality - N_TO_M. Type - Set of String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Leaf Profile.

Importing

An existing Leaf Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_leaf_profile.example <Dn>
```

aci_access_port_block

Manages ACI Access Port Block

Example Usage

```
resource "aci_access_port_block" "fooaccess_port_block" {
    access_port_selector_dn = "${aci_access_port_selector.example.id}"
    description             = "%s"
    name                    = "demo_port_block"
    annotation              = "tag_port_block"
    from_card               = "1"
    from_port               = "1"
    name_alias              = "alias_port_block"
    to_card                 = "3"
    to_port                 = "3"
}
```

Argument Reference

- `access_port_selector_dn` - (Required) Distinguished name of parent AccessPortSelector object.
- `name` - (Required) name of Object access_port_block.
- `annotation` - (Optional) annotation for object access_port_block.
- `from_card` - (Optional) The beginning (from-range) of the card range block for the leaf access port block.
- `from_port` - (Optional) The beginning (from-range) of the port range block for the leaf access port block.
- `name_alias` - (Optional) name_alias for object access_port_block.
- `to_card` - (Optional) The end (to-range) of the card range block for the leaf access port block.
- `to_port` - (Optional) The end (to-range) of the port range block for the leaf access port block.
- `relation_infra_rs_acc_bndl_subgrp` - (Optional) Relation to class infraAccBndlSubgrp. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Access Port Block.

Importing

An existing Access Port Block can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_access_port_block.example <Dn>
```

aci_vlan_encapsulationfor_vxlan_traffic

Manages ACI Vlan Encapsulation for Vxlan Traffic

Example Usage

```
resource "aci_vlan_encapsulationfor_vxlan_traffic" "example" {
  attachable_access_entity_profile_dn  = "${aci_attachable_access_entity_profile.example.id}"
  annotation                           = "tag_traffic"
  name_alias                           = "alias_traffic"
}
```

Argument Reference

- `attachable_access_entity_profile_dn` - (Required) Distinguished name of parent AttachableAccessEntityProfile object.
- `annotation` - (Optional) annotation for object vlan_encapsulationfor_vxlan_traffic.
- `name_alias` - (Optional) name_alias for object vlan_encapsulationfor_vxlan_traffic.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Vlan Encapsulation for Vxlan Traffic.

Importing

An existing Vlan Encapsulation for Vxlan Traffic can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_vlan_encapsulationfor_vxlan_traffic.example <Dn>
```

aci_access_group

Manages ACI Access Group

Example Usage

```
resource "aci_access_group" "example" {
  access_port_selector_dn   = "${aci_access_port_selector.example.id}"
  annotation                = "one"
  fex_id                    = "101"
  tdn                       = "${aci_fex_bundle_group.example.id}"
}
```

Argument Reference

- `access_port_selector_dn` - (Required) Distinguished name of parent AccessPortSelector object.
- `annotation` - (Optional) annotation for object access_access_group.
- `fex_id` - (Optional) interface policy group fex id
- `tdn` - (Optional) interface policy group's target rn

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Access Access Group.

Importing

An existing Access Access Group can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_access_group.example <Dn>
```

aci_epgs_using_function

Manages ACI EPGs Using Function

Example Usage

```
resource "aci_epgs_using_function" "example" {
  access_generic_dn   = "${aci_access_generic.example.id}"
  tdn                 = "${aci_application_epg.epg2.id}"
  annotation          = "example"
  encap               = "vlan-5"
  instr_imedcy        = "example"
  mode                = "example"
  primary_encap       = "example"
}
```

Argument Reference

- `access_generic_dn` - (Required) Distinguished name of parent AccessGeneric object.
- `tdn` - (Required) tDn of Object epgs_using_function.
- `encap` - (Required) vlan number encap.
- `annotation` - (Optional) annotation for object epgs_using_function.
- `instr_imedcy` - (Optional) instrumentation immediacy. Allowed values: "immediate", "lazy"
- `mode` - (Optional) bgp domain mode. Allowed values: "regular", "native", "untagged"
- `primary_encap` - (Optional) primary_encap for object epgs_using_function.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the EPGs Using Function.

Importing

An existing EPGs Using Function can be imported (https://www.terraform.io/docs/import/index.html) into this

resource via its Dn, via the following command:

```
terraform import aci_ep_gs_using_function.example <Dn>
```

aci_spine_port_selector

Manages ACI Spine port selector

Example Usage

```
resource "aci_spine_port_selector" "example" {
  spine_profile_dn  = "${aci_spine_profile.example.id}"
  tdn               = "${aci_spine_interface_profile.example.id}"
  annotation        = "example"
}
```

Argument Reference

- `spine_profile_dn` - (Required) Distinguished name of parent SpineProfile object.
- `tdn` - (Required) tdn of Object interface profile.
- `annotation` - (Optional) annotation for object Spine port selector.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Spine port selector.

Importing

An existing Spine port selector can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_spine_port_selector.example <Dn>
```

aci_spine_port_policy_group

Manages ACI Spine Port Policy Group

Example Usage

```
resource "aci_spine_port_policy_group" "example" {
  name        = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object aci_spine_port_policy_group.
- `annotation` - (Optional) annotation for object aci_spine_port_policy_group.
- `name_alias` - (Optional) name_alias for object aci_spine_port_policy_group.
- `relation_infra_rs_h_if_pol` - (Optional) Relation to class fabricHIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_cdp_if_pol` - (Optional) Relation to class cdpIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_copp_if_pol` - (Optional) Relation to class coppIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_att_ent_p` - (Optional) Relation to class infraAttEntityP. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_macsec_if_pol` - (Optional) Relation to class macsecIfPol. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Spine Access Port Policy Group.

Importing

An existing Spine Access Port Policy Group can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_spine_port_policy_group.example <Dn>
```

aci_spine_interface_profile

Manages ACI Spine Interface Profile

Example Usage

```
resource "aci_spine_interface_profile" "example" {
  name        = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object spine_interface_profile.
- `annotation` - (Optional) annotation for object spine_interface_profile.
- `name_alias` - (Optional) name_alias for object spine_interface_profile.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Spine Interface Profile.

Importing

An existing Spine Interface Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_spine_interface_profile.example <Dn>
```

aci_spine_profile

Manages ACI Spine Profile

Example Usage

```
resource "aci_spine_profile" "example" {
  name        = "check"
  annotation  = "spine profile"
  name_alias  = "check"
}
```

Argument Reference

- `name` - (Required) name of Object spine_profile.
- `annotation` - (Optional) annotation for object spine_profile.
- `name_alias` - (Optional) name_alias for object spine_profile.
- `relation_infra_rs_sp_acc_port_p` - (Optional) Relation to class infraSpAccPortP. Cardinality - N_TO_M. Type - Set of String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Spine Profile.

Importing

An existing Spine Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_spine_profile.example <Dn>
```

aci_spine_switch_association

Manages ACI Spine Association

Example Usage

```
resource "aci_spine_switch_association" "example" {
  spine_profile_dn                = "${aci_spine_profile.example.id}"
  name                            = "check"
  description                     = "hello"
  spine_switch_association_type   = "range"
  annotation                      = "example"
  name_alias                      = "example"
}
```

Argument Reference

- `spine_profile_dn` - (Required) Distinguished name of parent Spine Profile object.
- `name` - (Required) name of Object spine Switch association.
- `spine_switch_association_type` - (Required) spine association type of Object spine Switch association. Allowed values: "ALL", "range", "ALL_IN_POD"
- `annotation` - (Optional) annotation for object spine Switch association.
- `name_alias` - (Optional) name alias for object spine Switch association.
- `relation_infra_rs_spine_acc_node_p_grp` - (Optional) Relation to class infraSpineAccNodePGrp. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Spine Association.

Importing

An existing Spine Association can be imported (https://www.terraform.io/docs/import/index.html) into this

resource via its Dn, via the following command:

```
terraform import aci_spine_association.example <Dn>
```

aci_access_sub_port_block

Manages ACI Access Sub Port Block

Example Usage

```
resource "aci_access_sub_port_block" "example" {

  access_port_selector_dn  = "${aci_access_port_selector.example.id}"

  name  = "example"
  annotation  = "example"
  from_card  = "example"
  from_port  = "example"
  from_sub_port  = "example"
  name_alias  = "example"
  to_card  = "example"
  to_port  = "example"
  to_sub_port  = "example"
}
```

Argument Reference

- `access_port_selector_dn` - (Required) Distinguished name of parent AccessPortSelector object.
- `name` - (Required) name of Object access_sub_port_block.
- `annotation` - (Optional) annotation for object access_sub_port_block.
- `from_card` - (Optional) from card
- `from_port` - (Optional) port block from port
- `from_sub_port` - (Optional) from_sub_port for object access_sub_port_block.
- `name_alias` - (Optional) name_alias for object access_sub_port_block.
- `to_card` - (Optional) to card
- `to_port` - (Optional) to port
- `to_sub_port` - (Optional) to_sub_port for object access_sub_port_block.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Access Sub Port Block.

Importing

An existing Access Sub Port Block can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_access_sub_port_block.example <Dn>
```

aci_l2_interface_policy

Manages ACI L2 Interface Policy

Example Usage

```
resource "aci_l2_interface_policy" "fool2_interface_policy" {
    description = "%s"
    name        = "demo_l2_pol"
    annotation  = "tag_l2_pol"
    name_alias  = "alias_l2_pol"
    qinq        = "disabled"
    vepa        = "disabled"
    vlan_scope  = "global"
}
```

Argument Reference

- `name` - (Required) name of Object l2_interface_policy.
- `annotation` - (Optional) annotation for object l2_interface_policy.
- `name_alias` - (Optional) name_alias for object l2_interface_policy.
- `qinq` - (Optional) Determines if QinQ is disabled or if the port should be considered a core or edge port.Allowed values are "disabled", "edgePort", "corePort" and "doubleQtagPort". Default is "disabled".
- `vepa` - (Optional) Determines if Virtual Ethernet Port Aggregator is disabled or enabled. Allowed values are "disabled" and "enabled". Default is "disabled".
- `vlan_scope` - (Optional) The scope of the VLAN. Allowed values are "global" and "portlocal". Default is "global".

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the L2 Interface Policy.

Importing

An existing L2 Interface Policy can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_l2_interface_policy.example <Dn>
```

aci_port_security_policy

Manages ACI Port Security Policy

Example Usage

```
resource "aci_port_security_policy" "fooport_security_policy" {
    description = "%s"
    name        = "demo_port_pol"
    annotation  = "tag_port_pol"
    maximum     = "12"
    name_alias  = "alias_port_pol"
    timeout     = "60"
    violation   = "protect"
}
```

Argument Reference

- `name` - (Required) name of Object port_security_policy.
- `annotation` - (Optional) annotation for object port_security_policy.
- `maximum` - (Optional) Port Security Maximum. Allowed value range is "0" - "12000". Default is "0".
- `mode` - (Optional) bgp domain mode
- `name_alias` - (Optional) name_alias for object port_security_policy.
- `timeout` - (Optional) amount of time between authentication attempts. Allowed value range is "60" - "3600". Default is "60".
- `violation` - (Optional) Port Security Violation. default value is "protect". Allowed value: "protect"

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Port Security Policy.

Importing

An existing Port Security Policy can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_port_security_policy.example <Dn>
```

aci_l3_domain_profile

Manages ACI L3 Domain Profile

Example Usage

```
resource "aci_l3_domain_profile" "example" {


  name  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object l3_domain_profile.
- `annotation` - (Optional) annotation for object l3_domain_profile.
- `name_alias` - (Optional) name_alias for object l3_domain_profile.
- `relation_infra_rs_vlan_ns` - (Optional) Relation to class fvnsVlanInstP. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_vlan_ns_def` - (Optional) Relation to class fvnsAInstP. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_vip_addr_ns` - (Optional) Relation to class fvnsAddrInst. Cardinality - N_TO_ONE. Type - String.
- `relation_extnw_rs_out` - (Optional) Relation to class infraAccGrp. Cardinality - N_TO_M. Type - Set of String.
- `relation_infra_rs_dom_vxlan_ns_def` - (Optional) Relation to class fvnsAInstP. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the L3 Domain Profile.

Importing

An existing L3 Domain Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_l3_domain_profile.example <Dn>
```

aci_external_network_instance_profile

Manages ACI External Network Instance Profile

Example Usage

```
resource "aci_external_network_instance_profile" "fooexternal_network_instance_profile" {
    l3_outside_dn  = "${aci_l3_outside.example.id}"
    description    = "%s"
    name           = "demo_inst_prof"
    annotation     = "tag_network_profile"
    exception_tag  = "2"
    flood_on_encap = "disabled"
    match_t        = "%s"
    name_alias     = "alias_profile"
    pref_gr_memb   = "exclude"
    prio           = "level1"
    target_dscp    = "exclude"
}
```

Argument Reference

- `l3_outside_dn` - (Required) Distinguished name of parent L3Outside object.
- `name` - (Required) name of Object external_network_instance_profile.
- `annotation` - (Optional) annotation for object external_network_instance_profile.
- `exception_tag` - (Optional) exception_tag for object external_network_instance_profile. Allowed value range is "0" - "512".
- `flood_on_encap` - (Optional) Control at EPG level if the traffic L2 Multicast/Broadcast and Link Local Layer should be flooded only on ENCAP or based on bridg-domain settings. Allowed values are "disabled" and "enabled". Default value is "disabled".
- `match_t` - (Optional) The provider label match criteria. Allowed values are "All", "AtleastOne", "AtmostOne" and "None". Default is "AtleastOne".
- `name_alias` - (Optional) name_alias for object external_network_instance_profile.
- `pref_gr_memb` - (Optional) Represents parameter used to determine if EPg is part of a group that does not a contract for communication. Allowed values are "include" and "exclude". Default is "exclude".

- `prio` - (Optional) The QoS priority class identifier. Allowed values are "unspecified", "level1", "level2", "level3", "level4", "level5" and "level6". Default is "unspecified".
- `target_dscp` - (Optional) The target differentiated services code point (DSCP) of the path attached to the layer 3 outside profile. Allowed values are "CS0", "CS1", "AF11", "AF12", "AF13", "CS2", "AF21", "AF22", "AF23", "CS3", "AF31", "AF32", "AF33", "CS4", "AF41", "AF42", "AF43", "CS5", "VA", "EF", "CS6", "CS7" and "unspecified". Default is "unspecified".
- `relation_fv_rs_sec_inherited` - (Optional) Relation to class fvEPg. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_prov` - (Optional) Relation to class vzBrCP. Cardinality - N_TO_M. Type - Set of String.
- `relation_l3ext_rs_l3_inst_p_to_dom_p` - (Optional) Relation to class extnwDomP. Cardinality - N_TO_ONE. Type - String.
- `relation_l3ext_rs_inst_p_to_nat_mapping_epg` - (Optional) Relation to class fvAEPg. Cardinality - N_TO_ONE. Type - String.
- `relation_fv_rs_cons_if` - (Optional) Relation to class vzCPIf. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_cust_qos_pol` - (Optional) Relation to class qosCustomPol. Cardinality - N_TO_ONE. Type - String.
- `relation_l3ext_rs_inst_p_to_profile` - (Optional) Relation to class rtctrlProfile. Cardinality - N_TO_M. Type - Set of Map.
- `relation_fv_rs_cons` - (Optional) Relation to class vzBrCP. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_prot_by` - (Optional) Relation to class vzTaboo. Cardinality - N_TO_M. Type - Set of String.
- `relation_fv_rs_intra_epg` - (Optional) Relation to class vzBrCP. Cardinality - N_TO_M. Type - Set of String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the External Network Instance Profile.

Importing

An existing External Network Instance Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_external_network_instance_profile.example <Dn>
```

aci_logical_interface_profile

Manages ACI Logical Interface Profile

Example Usage

```
  resource "aci_logical_interface_profile" "foological_interface_profile" {
      logical_node_profile_dn = "${aci_logical_node_profile.example.id}"
      description             = "Sample logical interface profile"
      name                    = "demo_int_prof"
      annotation              = "tag_prof"
      name_alias              = "alias_prof"
      prio                    = "unspecified"
      tag                     = "black"
}
```

Argument Reference

- `logical_node_profile_dn` - (Required) Distinguished name of parent LogicalNodeProfile object.
- `name` - (Required) name of Object logical_interface_profile.
- `annotation` - (Optional) annotation for object logical_interface_profile.
- `name_alias` - (Optional) name_alias for object logical_interface_profile.
- `prio` - (Optional) qos priority class id. Allowed values are "unspecified", "level1", "level2", "level3", "level4", "level5" and "level6". Default is "unspecified.
- `tag` - (Optional) Specifies the color of a policy label. Allowed values are "black", "navy", "dark-blue", "medium-blue", "blue", "dark-green", "green", "teal", "dark-cyan", "deep-sky-blue", "dark-turquoise", "medium-spring-green", "lime", "spring-green", "aqua", "cyan", "midnight-blue", "dodger-blue", "light-sea-green", "forest-green", "sea-green", "dark-slate-gray", "lime-green", "medium-sea-green", "turquoise", "royal-blue", "steel-blue", "dark-slate-blue", "medium-turquoise", "indigo", "dark-olive-green", "cadet-blue", "cornflower-blue", "medium-aquamarine", "dim-gray", "slate-blue", "olive-drab", "slate-gray", "light-slate-gray", "medium-slate-blue", "lawn-green", "chartreuse", "aquamarine", "maroon", "purple", "olive", "gray", "sky-blue", "light-sky-blue", "blue-violet", "dark-red", "dark-magenta", "saddle-brown", "dark-sea-green", "light-green", "medium-purple", "dark-violet", "pale-green", "dark-orchid", "yellow-green", "sienna", "brown", "dark-gray", "light-blue", "green-yellow", "pale-turquoise", "light-steel-blue", "powder-blue", "fire-brick", "dark-goldenrod", "medium-orchid", "rosy-brown", "dark-khaki", "silver", "medium-violet-red", "indian-red", "peru", "chocolate", "tan", "light-gray", "thistle", "orchid", "goldenrod", "pale-violet-red", "crimson", "gainsboro", "plum", "burlywood", "light-cyan",

"lavender", "dark-salmon", "violet", "pale-goldenrod", "light-coral", "khaki", "alice-blue", "honeydew", "azure", "sandy-brown", "wheat", "beige", "white-smoke", "mint-cream", "ghost-white", "salmon", "antique-white", "linen", "light-goldenrod-yellow", "old-lace", "red", "fuchsia", "magenta", "deep-pink", "orange-red", "tomato", "hot-pink", "coral", "dark-orange", "light-salmon", "orange", "light-pink", "pink", "gold", "peachpuff", "navajo-white", "moccasin", "bisque", "misty-rose", "blanched-almond", "papaya-whip", "lavender-blush", "seashell", "cornsilk", "lemon-chiffon", "floral-white", "snow", "yellow", "light-yellow", "ivory" and "white". Default is "black".

- `relation_l3ext_rs_l_if_p_to_netflow_monitor_pol` - (Optional) Relation to class netflowMonitorPol. Cardinality - N_TO_M. Type - Set of Map.
- `relation_l3ext_rs_path_l3_out_att` - (Optional) Relation to class fabricPathEp. Cardinality - N_TO_M. Type - Set of String.
- `relation_l3ext_rs_egress_qos_dpp_pol` - (Optional) Relation to class qosDppPol. Cardinality - N_TO_ONE. Type - String.
- `relation_l3ext_rs_ingress_qos_dpp_pol` - (Optional) Relation to class qosDppPol. Cardinality - N_TO_ONE. Type - String.
- `relation_l3ext_rs_l_if_p_cust_qos_pol` - (Optional) Relation to class qosCustomPol. Cardinality - N_TO_ONE. Type - String.
- `relation_l3ext_rs_arp_if_pol` - (Optional) Relation to class arpIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_l3ext_rs_nd_if_pol` - (Optional) Relation to class ndIfPol. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Logical Interface Profile.

Importing

An existing Logical Interface Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_logical_interface_profile.example <Dn>
```

aci_logical_node_profile

Manages ACI Logical Node Profile

Example Usage

```
resource "aci_logical_node_profile" "foological_node_profile" {
    l3_outside_dn = "${aci_l3_outside.example.id}"
    description   = "sample logical node profile"
    name          = "demo_node"
    annotation    = "tag_node"
    config_issues = "none"
    name_alias    = "alias_node"
    tag           = "black"
    target_dscp   = "unspecified"
  }
```

Argument Reference

- `l3_outside_dn` - (Required) Distinguished name of parent L3Outside object.
- `name` - (Required) name of Object logical_node_profile.
- `annotation` - (Optional) annotation for object logical_node_profile.
- `config_issues` - (Optional) Bitmask representation of the configuration issues found during the endpoint group deployment. Allowed values are "none", "node-path-misconfig", "routerid-not-changable-with-mcast" and "loopback-ip-missing". Default is "none".
- `name_alias` - (Optional) name_alias for object logical_node_profile.
- `tag` - (Optional) Specifies the color of a policy label. Allowed values are "black", "navy", "dark-blue", "medium-blue", "blue", "dark-green", "green", "teal", "dark-cyan", "deep-sky-blue", "dark-turquoise", "medium-spring-green", "lime", "spring-green", "aqua", "cyan", "midnight-blue", "dodger-blue", "light-sea-green", "forest-green", "sea-green", "dark-slate-gray", "lime-green", "medium-sea-green", "turquoise", "royal-blue", "steel-blue", "dark-slate-blue", "medium-turquoise", "indigo", "dark-olive-green", "cadet-blue", "cornflower-blue", "medium-aquamarine", "dim-gray", "slate-blue", "olive-drab", "slate-gray", "light-slate-gray", "medium-slate-blue", "lawn-green", "chartreuse", "aquamarine", "maroon", "purple", "olive", "gray", "sky-blue", "light-sky-blue", "blue-violet", "dark-red", "dark-magenta", "saddle-brown", "dark-sea-green", "light-green", "medium-purple", "dark-violet", "pale-green", "dark-orchid", "yellow-green", "sienna", "brown", "dark-gray", "light-blue", "green-yellow", "pale-turquoise", "light-steel-blue", "powder-blue", "fire-brick", "dark-goldenrod", "medium-orchid",

"rosy-brown", "dark-khaki", "silver", "medium-violet-red", "indian-red", "peru", "chocolate", "tan", "light-gray", "thistle", "orchid", "goldenrod", "pale-violet-red", "crimson", "gainsboro", "plum", "burlywood", "light-cyan", "lavender", "dark-salmon", "violet", "pale-goldenrod", "light-coral", "khaki", "alice-blue", "honeydew", "azure", "sandy-brown", "wheat", "beige", "white-smoke", "mint-cream", "ghost-white", "salmon", "antique-white", "linen", "light-goldenrod-yellow", "old-lace", "red", "fuchsia", "magenta", "deep-pink", "orange-red", "tomato", "hot-pink", "coral", "dark-orange", "light-salmon", "orange", "light-pink", "pink", "gold", "peachpuff", "navajo-white", "moccasin", "bisque", "misty-rose", "blanched-almond", "papaya-whip", "lavender-blush", "seashell", "cornsilk", "lemon-chiffon", "floral-white", "snow", "yellow", "light-yellow", "ivory" and "white". Default is "black".

- `target_dscp` - (Optional) Node level Dscp value. Allowed values are "CS0", "CS1", "AF11", "AF12", "AF13", "CS2", "AF21", "AF22", "AF23", "CS3", "AF31", "AF32", "AF33", "CS4", "AF41", "AF42", "AF43", "CS5", "VA", "EF", "CS6", "CS7" and "unspecified". Default is "unspecified".

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Logical Node Profile.

Importing

An existing Logical Node Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_logical_node_profile.example <Dn>
```

aci_l3_outside

Manages ACI L3 Outside

Example Usage

```
resource "aci_l3_outside" "fool3_outside" {
    tenant_dn      = "${aci_tenant.dev_tenant.id}"
    description    = "%s"
    name           = "demo_l3out"
    annotation     = "tag_l3out"
    enforce_rtctrl = "%s"
    name_alias     = "alias_out"
    target_dscp    = "unspecified"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object l3_outside.
- `annotation` - (Optional) annotation for object l3_outside.
- `enforce_rtctrl` - (Optional) enforce route control type. Allowed values are "import" and "export". Default is "export".
- `name_alias` - (Optional) name_alias for object l3_outside.
- `target_dscp` - (Optional) The target differentiated services code point (DSCP) of the path attached to the layer 3 outside profile. Allowed values are "CS0", "CS1", "AF11", "AF12", "AF13", "CS2", "AF21", "AF22", "AF23", "CS3", "AF31", "AF32", "AF33", "CS4", "AF41", "AF42", "AF43", "CS5", "VA", "EF", "CS6", "CS7" and "unspecified". Default is "unspecified".
- `relation_l3ext_rs_dampening_pol` - (Optional) Relation to class rtctrlProfile. Cardinality - N_TO_M. Type - Set of Map.
- `relation_l3ext_rs_ectx` - (Optional) Relation to class fvCtx. Cardinality - N_TO_ONE. Type - String.
- `relation_l3ext_rs_out_to_bd_public_subnet_holder` - (Optional) Relation to class fvBDPublicSubnetHolder. Cardinality - N_TO_M. Type - Set of String.

- `relation_l3ext_rs_interleak_pol` - (Optional) Relation to class rtctrlProfile. Cardinality - N_TO_ONE. Type - String.
- `relation_l3ext_rs_l3_dom_att` - (Optional) Relation to class extnwDomP. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the L3 Outside.

Importing

An existing L3 Outside can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_l3_outside.example <Dn>
```

aci_logical_node_to_fabric_node

Manages ACI Fabric Node

Example Usage

```
resource "aci_logical_node_to_fabric_node" "example" {

  logical_node_profile_dn  = "${aci_logical_node_profile.example.id}"

  tDn  = "example"
  annotation  = "example"
  config_issues  = "example"
  rtr_id  = "example"
  rtr_id_loop_back  = "example"
}
```

Argument Reference

- `logical_node_profile_dn` - (Required) Distinguished name of parent LogicalNodeProfile object.
- `tDn` - (Required) tDn of Object fabric_node.
- `annotation` - (Optional) annotation for object fabric_node.
- `config_issues` - (Optional) configuration issues. Allowed values: "none", "node-path-misconfig","routerid-not-changable-with-mcast", "loopback-ip-missing"
- `rtr_id` - (Optional) router identifier
- `rtr_id_loop_back` - (Optional) Allowed values: "yes", "no"

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Fabric Node.

Importing

An existing Fabric Node can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_fabric_node.example <Dn>
```

aci_subnet

Manages ACI Subnet

Example Usage

```
resource "aci_l3_ext_subnet" "foosubnet" {
  external_network_instance_profile_dn  = "${aci_external_network_instance_profile.example.id}"

  description                           = "Sample L3 External subnet"
  ip                                    = "10.0.3.28/27"
  aggregate                             = "shared-rtctrl"
  annotation                            = "tag_ext_subnet"
  name_alias                            = "alias_ext_subnet"
  scope                                 = "import-security"
}
```

Argument Reference

- `external_network_instance_profile_dn` - (Required) Distinguished name of parent ExternalNetworkInstanceProfile object.
- `ip` - (Required) ip of Object subnet.
- `aggregate` - (Optional) Aggregate Routes for Subnet. Allowed values are "import-rtctrl", "export-rtctrl" and "shared-rtctrl".
- `annotation` - (Optional) annotation for object subnet.
- `name_alias` - (Optional) name_alias for object subnet.
- `scope` - (Optional) The domain applicable to the capability. Allowed values are "import-rtctrl", "export-rtctrl", "import-security", "shared-security" and "shared-rtctrl". Default is "import-security".
- `relation_l3ext_rs_subnet_to_profile` - (Optional) Relation to class rtctrlProfile. Cardinality - N_TO_M. Type - Set of Map.
- `relation_l3ext_rs_subnet_to_rt_summ` - (Optional) Relation to class rtsumARtSummPol. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Subnet.

Importing

An existing Subnet can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_subnet.example <Dn>
```

aci_lacp_policy

Manages ACI LACP Policy

Example Usage

```
resource "aci_lacp_policy" "foolacp_policy" {
    description = "%s"
    name        = "demo_lacp_pol"
    annotation  = "tag_lacp"
    ctrl        = "susp-individual"
    max_links   = "16"
    min_links   = "1"
    mode        = "%s"
    name_alias  = "alias_lacp"
}
```

Argument Reference

- `name` - (Required) name of Object lacp_policy.
- `annotation` - (Optional) annotation for object lacp_policy.
- `ctrl` - (Optional) LAG control properties. Allowed values are "symmetric-hash", "susp-individual", "graceful-conv", "load-defer" and "fast-sel-hot-stdby".
- `max_links` - (Optional) maximum number of links. Allowed value range is "11" - "161". Default is "16".
- `min_links` - (Optional) minimum number of links in port channel. Allowed value range is "11" - "161". Default is "1".
- `mode` - (Optional) policy mode. Allowed values are "off", "active", "passive", "mac-pin" and "mac-pin-nicload". Default is "off".
- `name_alias` - (Optional) name_alias for object lacp_policy.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the LACP Policy.

Importing

An existing LACP Policy can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_lacp_policy.example <Dn>
```

aci_lldp_interface_policy

Manages ACI LLDP Interface Policy

Example Usage

```
resource "aci_lldp_interface_policy" "foolldp_interface_policy" {
    description = "%s"
    name        = "demo_lldp_pol"
    admin_rx_st = "%s"
    admin_tx_st = "enabled"
    annotation  = "tag_lldp"
    name_alias  = "alias_lldp"
}
```

Argument Reference

- `name` - (Required) name of Object lldp_interface_policy.
- `admin_rx_st` - (Optional) admin receive state. Allowed values are "enabled" and "disabled". Default value is "enabled".
- `admin_tx_st` - (Optional) admin transmit state. Allowed values are "enabled" and "disabled". Default value is "enabled".
- `annotation` - (Optional) annotation for object lldp_interface_policy.
- `name_alias` - (Optional) name_alias for object lldp_interface_policy.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the LLDP Interface Policy.

Importing

An existing LLDP Interface Policy can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_lldp_interface_policy.example <Dn>
```

aci_pod_maintenance_group

Manages ACI POD Maintenance Group

Example Usage

```
resource "aci_pod_maintenance_group" "example" {


  name  = "example"
  annotation  = "example"
  fwtype  = "example"
  name_alias  = "example"
  pod_maintenance_group_type  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object pod_maintenance_group.
- `annotation` - (Optional) annotation for object pod_maintenance_group.
- `fwtype` - (Optional) fwtype for object pod_maintenance_group. Allowed values: "controller", "switch", "catalog", "plugin","pluginPackage", "config", "vpod"
- `name_alias` - (Optional) name_alias for object pod_maintenance_group.
- `pod_maintenance_group_type` - (Optional) component type
- `relation_maint_rs_mgrpp` - (Optional) Relation to class maintMaintP. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the POD Maintenance Group.

Importing

An existing POD Maintenance Group can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_pod_maintenance_group.example <Dn>
```

aci_maintenance_policy

Manages ACI Maintenance Policy

Example Usage

```
resource "aci_maintenance_policy" "example" {


  name  = "example"
  admin_st  = "example"
  annotation  = "example"
  graceful  = "example"
  ignore_compat  = "example"
  internal_label  = "example"
  name_alias  = "example"
  notif_cond  = "example"
  run_mode  = "example"
  version  = "example"
  version_check_override  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object maintenance_policy.
- `admin_st` - (Optional) maintenance policy admin state. Allowed values: "untriggered", "triggered"
- `annotation` - (Optional) annotation for object maintenance_policy.
- `graceful` - (Optional) graceful for object maintenance_policy. Allowed values: "yes", "no"
- `ignore_compat` - (Optional) whether compatibility check required. Allowed values: "yes", "no"
- `internal_label` - (Optional) firmware label
- `name_alias` - (Optional) name_alias for object maintenance_policy.
- `notif_cond` - (Optional) when to send notifications to the admin. Allowed values: "notifyOnlyOnFailures","notifyAlwaysBetweenSets", "notifyNever"
- `run_mode` - (Optional) maintenance policy run mode. Allowed values: "pauseOnlyOnFailures","pauseAlwaysBetweenSets", "pauseNever"

- `version` - (Optional) compatibility catalog version
- `version_check_override` - (Optional) version check override. Allowed values: "trigger-immediate", "trigger", "triggered","untriggered"
- `relation_maint_rs_pol_scheduler` - (Optional) Relation to class trigSchedP. Cardinality - N_TO_ONE. Type - String.
- `relation_maint_rs_pol_notif` - (Optional) Relation to class maintUserNotif. Cardinality - N_TO_ONE. Type - String.
- `relation_trig_rs_triggerable` - (Optional) Relation to class trigTriggerable. Cardinality - ONE_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Maintenance Policy.

Importing

An existing Maintenance Policy can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_maintenance_policy.example <Dn>
```

aci_miscabling_protocol_interface_policy

Manages ACI Mis-cabling Protocol Interface Policy

Example Usage

```
    resource "aci_miscabling_protocol_interface_policy" "foomiscabling_protocol_interface_policy"
{
        description = "%s"
        name        = "demo_mcpol"
        admin_st    = "%s"
        annotation  = "tag_mcpol"
        name_alias  = "alias_mcpol"
    }
```

Argument Reference

- `name` - (Required) name of Object miscabling_protocol_interface_policy.
- `admin_st` - (Optional) administrative state of the object or policy. Allowed values are "enabled" and "disabled". Default is "enabled".
- `annotation` - (Optional) annotation for object miscabling_protocol_interface_policy.
- `name_alias` - (Optional) name_alias for object miscabling_protocol_interface_policy.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Mis-cabling Protocol Interface Policy.

Importing

An existing Mis-cabling Protocol Interface Policy can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_miscabling_protocol_interface_policy.example <Dn>
```

aci_ospf_interface_policy

Manages ACI OSPF Interface Policy

Example Usage

```
resource "aci_ospf_interface_policy" "fooospf_interface_policy" {
    tenant_dn    = "${aci_tenant.dev_tenant.id}"
    description  = "%s"
    name         = "demo_ospfpol"
    annotation   = "tag_ospf"
    cost         = "unspecified"
    ctrl         = "%s"
    dead_intvl   = "40"
    hello_intvl  = "10"
    name_alias   = "alias_ospf"
    nw_t         = "unspecified"
    pfx_suppress = "inherit"
    prio         = "1"
    rexmit_intvl = "5"
    xmit_delay   = "1"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object ospf_interface_policy.
- `annotation` - (Optional) annotation for object ospf_interface_policy.
- `cost` - (Optional) The OSPF cost for the interface. The cost (also called metric) of an interface in OSPF is an indication of the overhead required to send packets across a certain interface. The cost of an interface is inversely proportional to the bandwidth of that interface. A higher bandwidth indicates a lower cost. There is more overhead (higher cost) and time delays involved in crossing a 56k serial line than crossing a 10M ethernet line. The formula used to calculate the cost is: cost= 10000 0000/bandwidth in bps For example, it will cost 10 EXP8/10 EXP7 = 10 to cross a 10M Ethernet line and will cost 10 EXP8/1544000 = 64 to cross a T1 line. By default, the cost of an interface is calculated based on the bandwidth; you can force the cost of an interface with the ip ospf cost value interface sub-configuration mode command. Allowed value range is "0" - "65535". Default is "unspecified(0)".
- `ctrl` - (Optional) interface policy controls. Allowed values are "unspecified", "passive", "mtu-ignore", "advert-

subnet" and "bfd". Default is "unspecified".

- `dead_intvl` - (Optional) The interval between hello packets from a neighbor before the router declares the neighbor as down. This value must be the same for all networking devices on a specific network. Specifying a smaller dead interval (seconds) will give faster detection of a neighbor being down and improve convergence, but might cause more routing instability. Allowed value range is "1" - "65535". Default value is "40".
- `hello_intvl` - (Optional) The interval between hello packets that OSPF sends on the interface. Note that the smaller the hello interval, the faster topological changes will be detected, but more routing traffic will ensue. This value must be the same for all routers and access servers on a specific network. Allowed value range is "1" - "65535". Default value is "10".
- `name_alias` - (Optional) name_alias for object ospf_interface_policy.
- `nw_t` - (Optional) The OSPF interface policy network type. OSPF supports point-to-point and broadcast. Allowed values are "unspecified", "p2p" and "bcast". Default value is "unspecified".
- `pfx_suppress` - (Optional) pfx-suppression for object ospf_interface_policy. Allowed values are "inherit", "enable" and "disable". Default value is "inherit".
- `prio` - (Optional) The OSPF interface priority used to determine the designated router (DR) on a specific network. The router with the highest OSPF priority on a segment will become the DR for that segment. The same process is repeated for the backup designated router (BDR). In the case of a tie, the router with the highest RID will win. The default for the interface OSPF priority is one. Remember that the DR and BDR concepts are per multiaccess segment. Allowed value range is "0" - "255". Default value is "1".
- `rexmit_intvl` - (Optional) The interval between LSA retransmissions. The retransmit interval occurs while the router is waiting for an acknowledgement from the neighbor router that it received the LSA. If no acknowlegment is received at the end of the interval, then the LSA is resent. Allowed value range is "1" - "65535". Default value is "5".
- `xmit_delay` - (Optional) The delay time needed to send an LSA update packet. OSPF increments the LSA age time by the transmit delay amount before transmitting the LSA update. You should take into account the transmission and propagation delays for the interface when you set this value. Allowed value range is "1" - "450". Default is "1".

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the OSPF Interface Policy.

Importing

An existing OSPF Interface Policy can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_ospf_interface_policy.example <Dn>
```

aci_physical_domain

Manages ACI Physical Domain

Example Usage

```
resource "aci_physical_domain" "example" {


  name  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object physical_domain.
- `annotation` - (Optional) annotation for object physical_domain.
- `name_alias` - (Optional) name_alias for object physical_domain.
- `relation_infra_rs_vlan_ns` - (Optional) Relation to class fvnsVlanInstP. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_vlan_ns_def` - (Optional) Relation to class fvnsAInstP. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_vip_addr_ns` - (Optional) Relation to class fvnsAddrInst. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_dom_vxlan_ns_def` - (Optional) Relation to class fvnsAInstP. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Physical Domain.

Importing

An existing Physical Domain can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_physical_domain.example <Dn>
```

aci_rest

Manages ACI Model Objects via REST API calls. Any Model Object that is not supported by provider can be created/managed using this resource.

Example Usage

```
resource "aci_tenant" "tenant_for_rest_example" {
  name        = "tenant_for_rest"
  description = "This tenant is created by terraform ACI provider"
}

resource "aci_rest" "rest_l3_ext_out" {
  path       = "/api/node/mo/${aci_tenant.tenant_for_rest_example.id}/out-test_ext.json"
  class_name = "l3extOut"

  content = {
    "name" = "test_ext"
  }
}

resource "aci_rest" "madebyrest_yaml" {
  path       = "/api/mo/uni.json"
  payload = <<EOF
{
        "fvTenant": {
          "attributes": {
            "name": "Sales",
            "descr": "Sales department json"
          }
        }
}
  EOF
}

resource "aci_rest" "madebyrest_yaml" {
  path       = "/api/mo/uni.json"
  payload = <<EOF
  fvTenant:
        attributes:
          name: Sales
          descr: Sales department
  EOF
}
```

Argument Reference

- `path` - (Required) ACI path where object should be created. Starting with api/node/mo/{parent-dn}(if applicable)/{rn of object}.json
- `class_name` - (Optional) Which class object is being created. (Make sure there is no colon in the classname)
- `content` - (Optional) Map of key-value pairs those needed to be passed to the Model object as parameters. Make sure the key name matches the name with the object parameter in ACI.
- `payload` - (Optional) Freestyle JSON or YAML payload which can directly be passed to the REST endpoint added in path. Either of content or payload is required.
- `dn` - (Optional) Distinguished name of object being managed.

NOTE: We don't set the Status field explicitly, as it creates an issue with the relation objects. If you have requirement to pass the status field, pass it in the content.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the object created by it.

Importing

This resource does not support import.

aci_action_rule_profile

Manages ACI Action Rule Profile

Example Usage

```
resource "aci_action_rule_profile" "example" {

  tenant_dn  = "${aci_tenant.example.id}"

  name  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object action_rule_profile.
- `annotation` - (Optional) annotation for object action_rule_profile.
- `name_alias` - (Optional) name_alias for object action_rule_profile.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Action Rule Profile.

Importing

An existing Action Rule Profile can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_action_rule_profile.example <Dn>
```

aci_span_destination_group

Manages ACI SPAN Destination Group

Example Usage

```
resource "aci_span_destination_group" "example" {

  tenant_dn  = "${aci_tenant.example.id}"

  name  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object span_destination_group.
- `annotation` - (Optional)
- `name_alias` - (Optional)

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the SPAN Destination Group.

Importing

An existing SPAN Destination Group can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_span_destination_group.example <Dn>
```

aci_span_sourcedestination_group_match_label

Manages ACI SPAN Source-destination Group Match Label

Example Usage

```
resource "aci_span_sourcedestination_group_match_label" "example" {

  span_source_group_dn  = "${aci_span_source_group.example.id}"

  name  = "example"
  annotation  = "example"
  name_alias  = "example"
  tag  = "example"
}
```

Argument Reference

- `span_source_group_dn` - (Required) Distinguished name of parent SPANSourceGroup object.
- `name` - (Required) name of Object span_sourcedestination_group_match_label.
- `annotation` - (Optional)
- `name_alias` - (Optional)
- `tag` - (Optional) label color. Allowed values: "black", "navy", "dark-blue", "medium-blue", "blue", "dark-green", "green", "teal", "dark-cyan", "deep-sky-blue", "dark-turquoise", "medium-spring-green", "lime", "spring-green", "aqua", "cyan", "midnight-blue", "dodger-blue", "light-sea-green", "forest-green", "sea-green", "dark-slate-gray", "lime-green", "medium-sea-green", "turquoise", "royal-blue", "steel-blue", "dark-slate-blue", "medium-turquoise", "indigo", "dark-olive-green", "cadet-blue", "cornflower-blue", "medium-aquamarine", "dim-gray", "slate-blue", "olive-drab", "slate-gray", "light-slate-gray", "medium-slate-blue", "lawn-green", "chartreuse", "aquamarine", "maroon", "purple", "olive", "gray", "sky-blue", "light-sky-blue", "blue-violet", "dark-red", "dark-magenta", "saddle-brown", "dark-sea-green", "light-green", "medium-purple", "dark-violet", "pale-green", "dark-orchid", "yellow-green", "sienna", "brown", "dark-gray", "light-blue", "green-yellow", "pale-turquoise", "light-steel-blue", "powder-blue", "fire-brick", "dark-goldenrod", "medium-orchid", "rosy-brown", "dark-khaki", "silver", "medium-violet-red", "indian-red", "peru", "chocolate", "tan", "light-gray", "thistle", "orchid", "goldenrod", "pale-violet-red", "crimson", "gainsboro", "plum", "burlywood", "light-cyan", "lavender", "dark-salmon", "violet", "pale-goldenrod", "light-coral", "khaki", "alice-blue", "honeydew", "azure", "sandy-brown", "wheat", "beige", "white-smoke", "mint-cream", "ghost-white", "salmon", "antique-white", "linen", "light-goldenrod-yellow", "old-

lace", "red", "fuchsia", "magenta", "deep-pink", "orange-red", "tomato", "hot-pink", "coral", "dark-orange", "light-salmon", "orange", "light-pink", "pink", "gold", "peachpuff", "navajo-white", "moccasin", "bisque", "misty-rose", "blanched-almond", "papaya-whip", "lavender-blush", "seashell", "cornsilk", "lemon-chiffon", "floral-white", "snow", "yellow", "light-yellow", "ivory", "white"

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the SPAN Source-destination Group Match Label.

Importing

An existing SPAN Source-destination Group Match Label can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_span_sourcedestination_group_match_label.example <Dn>
```

aci_span_source_group

Manages ACI SPAN Source Group

Example Usage

```
resource "aci_span_source_group" "example" {

  tenant_dn  = "${aci_tenant.example.id}"

  name  = "example"
  admin_st  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object span_source_group.
- `admin_st` - (Optional) administrative state of the object or policy. Allowed values: "enabled", "disabled"
- `annotation` - (Optional)
- `name_alias` - (Optional)
- `relation_span_rs_src_grp_to_filter_grp` - (Optional) Relation to class spanFilterGrp. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the SPAN Source Group.

Importing

An existing SPAN Source Group can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_span_source_group.example <Dn>
```

aci_trigger_scheduler

Manages ACI Trigger Scheduler

Example Usage

```
resource "aci_trigger_scheduler" "example" {


  name  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `name` - (Required) name of Object trigger_scheduler.
- `annotation` - (Optional) annotation for object trigger_scheduler.
- `name_alias` - (Optional) name_alias for object trigger_scheduler.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Trigger Scheduler.

Importing

An existing Trigger Scheduler can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_trigger_scheduler.example <Dn>
```

aci_vmm_domain

Manages ACI VMM Domain

Example Usage

```
resource "aci_vmm_domain" "foovmm_domain" {
    provider_profile_dn = "${aci_provider_profile.example.id}"
    description         = "%s"
    name                = "demo_domp"
    access_mode         = "read-write"
    annotation          = "tag_dom"
    arp_learning        = "disabled"
    ave_time_out        = "30"
    config_infra_pg     = "no"
    ctrl_knob           = "epDpVerify"
    delimiter           = ";"
    enable_ave          = "no"
    enable_tag          = "no"
    encap_mode          = "unknown"
    enf_pref            = "hw"
    ep_inventory_type   = "on-link"
    ep_ret_time         = "0"
    hv_avail_monitor    = "no"
    mcast_addr          = "224.0.1.0"
    mode                = "default"
    name_alias          = "alias_dom"
    pref_encap_mode     = "unspecified"
}
```

Argument Reference

- `provider_profile_dn` - (Required) Distinguished name of parent ProviderProfile object.
- `name` - (Required) name of Object vmm_domain.
- `access_mode` - (Optional) access_mode for object vmm_domain. Allowed values are "read-write" and "read-only". Default is "read-write".
- `annotation` - (Optional) annotation for object vmm_domain.
- `arp_learning` - (Optional) Enable/Disable arp learning for AVS Domain. Allowed values are "enabled" and "disabled". Default value is "disabled".

- `ave_time_out` - (Optional) ave_time_out for object vmm_domain. Allowed value range is "101" - "3001".
- `config_infra_pg` - (Optional) Flag to enable config_infra_pg for object vmm_domain. Allowed values are "yes" and "no". Default is "no".
- `ctrl_knob` - (Optional) Type pf control knob to use. Allowed values are "none" and "epDpVerify".
- `delimiter` - (Optional) delimiter for object vmm_domain.
- `enable_ave` - (Optional) Flag to enable ave for object vmm_domain. Allowed values are "yes" and "no". Default is "no".
- `enable_tag` - (Optional) Flag enable tagging for object vmm_domain. Allowed values are "yes" and "no". Default is "no".
- `encap_mode` - (Optional) The layer 2 encapsulation protocol to use with the virtual switch. Allowed values are "unknown", "vlan" and "vxlan". Default is "unknown".
- `enf_pref` - (Optional) The switching enforcement preference. This determines whether switches can be done within the virtual switch (Local Switching) or whether all switched traffic must go through the fabric (No Local Switching). Allowed values are "hw", "sw" and "unknown". Default is "hw".
- `ep_inventory_type` - (Optional) Determines which end point inventory_type to use for object vmm_domain. Allowed values are "none" and "on-link". Default is "on-link".
- `ep_ret_time` - (Optional) end point retention time for object vmm_domain. Allowed value range is "1" - "6001". Default value is "0".
- `hv_avail_monitor` - (Optional) Flag to enable hv_avail_monitor for object vmm_domain. Allowed values are "yes" and "no". Default is "no".
- `mcast_addr` - (Optional) The multicast address of the VMM domain profile.
- `mode` - (Optional) The switch to be used for the domain profile. Allowed values are "default", "n1kv", "unknown", "ovs", "k8s", "rhev", "cf" and "openshift". Default is "default".
- `name_alias` - (Optional) name_alias for object vmm_domain.
- `pref_encap_mode` - (Optional) The preferred encapsulation mode for object vmm_domain. Allowed values are "unspecified", "vlan" and "vxlan". Default is "unspecified".
- `relation_vmm_rs_pref_enhanced_lag_pol` - (Optional) Relation to class lacpEnhancedLagPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_vlan_ns` - (Optional) Relation to class fvnsVlanInstP. Cardinality - N_TO_ONE. Type - String.
- `relation_vmm_rs_dom_mcast_addr_ns` - (Optional) Relation to class fvnsMcastAddrInstP. Cardinality - N_TO_ONE. Type - String.
- `relation_vmm_rs_default_cdp_if_pol` - (Optional) Relation to class cdpIfPol. Cardinality - N_TO_ONE. Type - String.

- `relation_vmm_rs_default_lacp_lag_pol` - (Optional) Relation to class lacpLagPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_vlan_ns_def` - (Optional) Relation to class fvnsAInstP. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_vip_addr_ns` - (Optional) Relation to class fvnsAddrInst. Cardinality - N_TO_ONE. Type - String.
- `relation_vmm_rs_default_lldp_if_pol` - (Optional) Relation to class lldpIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_vmm_rs_default_stp_if_pol` - (Optional) Relation to class stpIfPol. Cardinality - N_TO_ONE. Type - String.
- `relation_infra_rs_dom_vxlan_ns_def` - (Optional) Relation to class fvnsAInstP. Cardinality - N_TO_ONE. Type - String.
- `relation_vmm_rs_default_fw_pol` - (Optional) Relation to class nwsFwPol. Cardinality - N_TO_ONE. Type - String.
- `relation_vmm_rs_default_l2_inst_pol` - (Optional) Relation to class l2InstPol. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the VMM Domain.

Importing

An existing VMM Domain can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_vmm_domain.example <Dn>
```

aci_destination_of_redirected_traffic

Manages ACI Destination of redirected traffic

Example Usage

```
resource "aci_destination_of_redirected_traffic" "example" {
  service_redirect_policy_dn  = "${aci_service_redirect_policy.example.id}"
  ip                          = "1.2.3.4"
  mac                         = "12:25:56:98:45:74"
  ip2                         = "10.20.30.40"
  dest_name                   = "last"
  pod_id                      = "5"
}
```

Argument Reference

- `service_redirect_policy_dn` - (Required) Distinguished name of parent Service Redirect Policy object.
- `ip` - (Required) ip of Object destination of redirected traffic.
- `mac` - (Required) mac address.
- `annotation` - (Optional) annotation for object destination of redirected traffic.
- `dest_name` - (Optional) destination name to which data was exported
- `ip` - (Optional) ip address.
- `ip2` - (Optional) ip2 for object destination of redirected traffic.
- `name_alias` - (Optional) name_alias for object destination of redirected traffic.
- `pod_id` - (Optional) pod id.
- `relation_vns_rs_redirect_health_group` - (Optional) Relation to class vns Redirect Health Group. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Destination of redirected traffic.

Importing

An existing Destination of redirected traffic can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_destinationofredirectedtraffic.example <Dn>
```

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---

aci_any

Manages ACI Any

Example Usage

```
resource "aci_any" "fooany" {
    vrf_dn       = "${aci_vrf.example.id}"
    description  = "%s"
    annotation   = "tag_any"
    match_t      = "%s"
    name_alias   = "alias_any"
    pref_gr_memb = "disabled"
}
```

Argument Reference

- `vrf_dn` - (Required) Distinguished name of parent VRF object.
- `annotation` - (Optional) annotation for object any.
- `match_t` - (Optional) Represents the provider label match criteria. Allowed values are "All", "None", "AtmostOne" and "AtleastOne". Default value is "AtleastOne".
- `name_alias` - (Optional) name_alias for object any.
- `pref_gr_memb` - (Optional) Represents parameter used to determine if EPgs can be divided in a the context can be divided in two subgroups. Allowed values are "disabled" and "enabled". Default is "disabled".
- `relation_vz_rs_any_to_cons` - (Optional) Relation to class vzBrCP. Cardinality - N_TO_M. Type - Set of String.
- `relation_vz_rs_any_to_cons_if` - (Optional) Relation to class vzCPIf. Cardinality - N_TO_M. Type - Set of String.
- `relation_vz_rs_any_to_prov` - (Optional) Relation to class vzBrCP. Cardinality - N_TO_M. Type - Set of String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Any.

Importing

An existing Any can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_any.example <Dn>
```

aci_contract

Manages ACI Contract

Example Usage

```
resource "aci_contract" "foocontract" {
    tenant_dn   = "${aci_tenant.dev_tenant.id}"
    description = "%s"
    name        = "demo_contract"
    annotation  = "tag_contract"
    name_alias  = "alias_contract"
    prio        = "level1"
    scope       = "tenant"
    target_dscp = "unspecified"
    filter {
        annotation  = "tag_filter"
        description = "first filter from contract resource"
        filter_entry {
                entry_description   = "hello world"
            filter_entry_name   = "check_entry3"
                d_from_port         = "http"
                ether_t             = "ipv4"
                prot            = "tcp"
        }
        filter_entry {
                entry_description   = "world"
            filter_entry_name   = "check_entry1"
                d_from_port         = "443"
                ether_t             = "ipv4"
                prot            = "tcp"
        }
        filter_name  = "abcd"
        name_alias   = "abcd"
    }
    filter {
        filter_name = "example2"
        description = "second filter from contract resource"
        annotation = "tag_filter"
        name_alias = "example2"
    }

}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object contract.
- `annotation` - (Optional) annotation for object contract.
- `name_alias` - (Optional) name_alias for object contract.
- `prio` - (Optional) priority level of the service contract. Allowed values are "unspecified", "level1", "level2", "level3", "level4", "level5" and "level6". Default is "unspecified".
- `scope` - (Optional) Represents the scope of this contract. If the scope is set as application-profile, the epg can only communicate with epgs in the same application-profile. Allowed values are "global", "tenant", "application-profile" and "context". Default is "context".
- `target_dscp` - (Optional) The target differentiated services code point (DSCP) of the path attached to the layer 3 outside profile. Allowed values are "CS0", "CS1", "AF11", "AF12", "AF13", "CS2", "AF21", "AF22", "AF23", "CS3", "AF31", "AF32", "AF33", "CS4", "AF41", "AF42", "AF43", "CS5", "VA", "EF", "CS6", "CS7" and "unspecified". Default is "unspecified".
- `relation_vz_rs_graph_att` - (Optional) Relation to class vnsAbsGraph. Cardinality - N_TO_ONE. Type - String.
- `filter` - (Optional) to manage filters from the contract resource. It has the attributes like filter_name, annotation, description and name_alias.
- `filter.filter_name` - (Required) Name of the filter object.
- `filter.description` - (Optional) Description for the filter object.
- `filter.annotation` - (Optional) Annotation for filter object.
- `filter.name_alias` - (Optional) Name alias for filter object.
- `filter.filter_entry` - (Optional) to manage filter entries for particular filter from the contract resource. It has following attributes.
- `filter.filter_entry.filter_entry_name` - (Required) name of Object filter_entry.
- `filter.filterentry.entry_annotation` - (Optional) annotation for object filter_entry.
- `filter.filter_entry.entry_description` - (Optional) Description for the filter entry.
- `filter.filter_entry.apply_to_frag` - (Optional) Flag to determine whether to apply changes to fragment. Allowed values are "yes" and "no". Default is "no".
- `filter.filter_entry.arp_opc` - (Optional) open peripheral codes. Allowed values are "unspecified", "req" and "reply". Default is "unspecified".
- `filter.filter_entry.d_from_port` - (Optional) Destination From Port. Accepted values are any valid TCP/UDP port range. Default is "unspecified". Allowed values: "unspecified", "ftpData", "smtp", "dns", "http","pop3", "https", "rtsp"

- `filter.filter_entry.d_to_port` - (Optional) Destination To Port. Accepted values are any valid TCP/UDP port range. Default is "unspecified". Allowed values: "unspecified", "ftpData", "smtp", "dns", "http","pop3", "https", "rtsp"
- `filter.filter_entry.ether_t` - (Optional) ether type for the entry. Allowed values are "unspecified", "ipv4", "trill", "arp", "ipv6", "mpls_ucast", "mac_security", "fcoe" and "ip". Default is "unspecified".
- `filter.filter_entry.icmpv4_t` - (Optional) ICMPv4 message type; used when ip_protocol is icmp. Allowed values are "echo-rep", "dst-unreach", "src-quench", "echo", "time-exceeded" and "unspecified". Default is "unspecified".
- `filter.filter_entry.icmpv6_t` - (Optional) ICMPv6 message type; used when ip_protocol is icmpv6. Allowed values are "unspecified", "dst-unreach", "time-exceeded", "echo-req", "echo-rep", "nbr-solicit", "nbr-advert" and "redirect". Default is "unspecified".
- `filter.filter_entry.match_dscp` - (Optional) The matching differentiated services code point (DSCP) of the path attached to the layer 3 outside profile. Allowed values are "CS0", "CS1", "AF11", "AF12", "AF13", "CS2", "AF21", "AF22", "AF23", "CS3", "AF31", "AF32", "AF33", "CS4", "AF41", "AF42", "AF43", "CS5", "VA", "EF", "CS6", "CS7" and "unspecified". Default is "unspecified".
- `filter.filter_entry.entry_name_alias` - (Optional) name_alias for object filter_entry.
- `filter.filter_entry.prot` - (Optional) level 3 ip protocol. Allowed values are "unspecified", "icmp", "igmp", "tcp", "egp", "igp", "udp", "icmpv6", "eigrp", "ospfigp", "pim" and "l2tp". Default is "unspecified".
- `filter.filter_entry.s_from_port` - (Optional) Source From Port. Accepted values are any valid TCP/UDP port range. Default is "unspecified". Allowed values: "unspecified", "ftpData", "smtp", "dns", "http","pop3", "https", "rtsp"
- `filter.filter_entry.s_to_port` - (Optional) Source To Port. Accepted values are any valid TCP/UDP port range. Default is "unspecified". Allowed values: "unspecified", "ftpData", "smtp", "dns", "http","pop3", "https", "rtsp"
- `filter.filter_entry.stateful` - (Optional) Determines if entry is stateful or not. Allowed values are "yes" and "no". Default is "no".
- `filter.filter_entry.tcp_rules` - (Optional) TCP Session Rules. Allowed values are "unspecified", "est", "syn", "ack", "fin" and "rst". Default is "unspecified".

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Contract. * `filter.id` - exports this attribute for filter object. Set to the Dn for the filter managed by the contract. * `filter.filter_entry.id` - exports this attribute for filter entry object of filter object. Set to the Dn for the filter entry managed by the contract.

Importing

An existing Contract can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_contract.example <Dn>
```

aci_imported_contract

Manages ACI Imported Contract

Example Usage

```
resource "aci_imported_contract" "example" {

  tenant_dn  = "${aci_tenant.example.id}"

  name  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object imported_contract.
- `annotation` - (Optional) annotation for object imported_contract.
- `name_alias` - (Optional) name_alias for object imported_contract.
- `relation_vz_rs_if` - (Optional) Relation to class vzACtrct. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Imported Contract.

Importing

An existing Imported Contract can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_imported_contract.example <Dn>
```

aci_filter_entry

Manages ACI Filter Entry

Example Usage

```
resource "aci_filter_entry" "foofilter_entry" {
    filter_dn     = "${aci_filter.example.id}"
    description   = "%s"
    name          = "demo_entry"
    annotation    = "tag_entry"
    apply_to_frag = "no"
    arp_opc       = "unspecified"
    d_from_port   = "%s"
    d_to_port     = "unspecified"
    ether_t       = "ipv4"
    icmpv4_t      = "unspecified"
    icmpv6_t      = "unspecified"
    match_dscp    = "CS0"
    name_alias    = "alias_entry"
    prot          = "icmp"
    s_from_port   = "0"
    s_to_port     = "0"
    stateful      = "no"
    tcp_rules     = "ack"
}
```

Argument Reference

- `filter_dn` - (Required) Distinguished name of parent Filter object.
- `name` - (Required) name of Object filter_entry.
- `annotation` - (Optional) annotation for object filter_entry.
- `apply_to_frag` - (Optional) Flag to determine whether to apply changes to fragment. Allowed values are "yes" and "no". Default is "no".
- `arp_opc` - (Optional) open peripheral codes. Allowed values are "unspecified", "req" and "reply". Default is "unspecified".
- `d_from_port` - (Optional) Destination From Port. Accepted values are any valid TCP/UDP port range. Default is "unspecified". Allowed values: "unspecified", "ftpData", "smtp", "dns", "http","pop3", "https", "rtsp"

- `d_to_port` - (Optional) Destination To Port. Accepted values are any valid TCP/UDP port range. Default is "unspecified". Allowed values: "unspecified", "ftpData", "smtp", "dns", "http","pop3", "https", "rtsp"
- `ether_t` - (Optional) ether type for the entry. Allowed values are "unspecified", "ipv4", "trill", "arp", "ipv6", "mpls_ucast", "mac_security", "fcoe" and "ip". Default is "unspecified".
- `icmpv4_t` - (Optional) ICMPv4 message type; used when ip_protocol is icmp. Allowed values are "echo-rep", "dst-unreach", "src-quench", "echo", "time-exceeded" and "unspecified". Default is "unspecified".
- `icmpv6_t` - (Optional) ICMPv6 message type; used when ip_protocol is icmpv6. Allowed values are "unspecified", "dst-unreach", "time-exceeded", "echo-req", "echo-rep", "nbr-solicit", "nbr-advert" and "redirect". Default is "unspecified".
- `match_dscp` - (Optional) The matching differentiated services code point (DSCP) of the path attached to the layer 3 outside profile. Allowed values are "CS0", "CS1", "AF11", "AF12", "AF13", "CS2", "AF21", "AF22", "AF23", "CS3", "AF31", "AF32", "AF33", "CS4", "AF41", "AF42", "AF43", "CS5", "VA", "EF", "CS6", "CS7" and "unspecified". Default is "unspecified".
- `name_alias` - (Optional) name_alias for object filter_entry.
- `prot` - (Optional) level 3 ip protocol. Allowed values are "unspecified", "icmp", "igmp", "tcp", "egp", "igp", "udp", "icmpv6", "eigrp", "ospfigp", "pim" and "l2tp". Default is "unspecified".
- `s_from_port` - (Optional) Source From Port. Accepted values are any valid TCP/UDP port range. Default is "unspecified". Allowed values: "unspecified", "ftpData", "smtp", "dns", "http","pop3", "https", "rtsp"
- `s_to_port` - (Optional) Source To Port. Accepted values are any valid TCP/UDP port range. Default is "unspecified". Allowed values: "unspecified", "ftpData", "smtp", "dns", "http","pop3", "https", "rtsp"
- `stateful` - (Optional) Determines if entry is stateful or not. Allowed values are "yes" and "no". Default is "no".
- `tcp_rules` - (Optional) TCP Session Rules. Allowed values are "unspecified", "est", "syn", "ack", "fin" and "rst". Default is "unspecified".

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Filter Entry.

Importing

An existing Filter Entry can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_filter_entry.example <Dn>
```

aci_filter

Manages ACI Filter

Example Usage

```
resource "aci_filter" "foofilter" {
    tenant_dn   = "${aci_tenant.dev_tenant.id}"
    description = "%s"
    name        = "demo_filter"
    annotation  = "tag_filter"
    name_alias  = "alias_filter"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object filter.
- `annotation` - (Optional) annotation for object filter.
- `name_alias` - (Optional) name_alias for object filter.
- `relation_vz_rs_filt_graph_att` - (Optional) Relation to class vnsInTerm. Cardinality - N_TO_ONE. Type - String.
- `relation_vz_rs_fwd_r_flt_p_att` - (Optional) Relation to class vzAFilterableUnit. Cardinality - N_TO_ONE. Type - String.
- `relation_vz_rs_rev_r_flt_p_att` - (Optional) Relation to class vzAFilterableUnit. Cardinality - N_TO_ONE. Type - String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Filter.

Importing

An existing Filter can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_filter.example <Dn>
```

aci_contract_subject

Manages ACI Contract Subject

Example Usage

```
resource "aci_contract_subject" "foocontract_subject" {
    contract_dn   = "${aci_contract.example.id}"
    description   = "%s"
    name          = "demo_subject"
    annotation    = "tag_subject"
    cons_match_t  = "AtleastOne"
    name_alias    = "alias_subject"
    prio          = "level1"
    prov_match_t  = "AtleastOne"
    rev_flt_ports = "yes"
    target_dscp   = "CS0"
}
```

Argument Reference

- `contract_dn` - (Required) Distinguished name of parent Contract object.
- `name` - (Required) name of Object contract_subject.
- `annotation` - (Optional) annotation for object contract_subject.
- `cons_match_t` - (Optional) The subject match criteria across consumers. Allowed values are "All", "None", "AtmostOne" and "AtleastOne". Default value is "AtleastOne".
- `name_alias` - (Optional) name_alias for object contract_subject.
- `prio` - (Optional) The priority level of a sub application running behind an endpoint group, such as an Exchange server. Allowed values are "unspecified", "level1", "level2", "level3", "level4", "level5" and "level6". Default is "unspecified.
- `prov_match_t` - (Optional) The subject match criteria across consumers. Allowed values are "All", "None", "AtmostOne" and "AtleastOne". Default value is "AtleastOne".
- `rev_flt_ports` - (Optional) enables filter to apply on ingress and egress traffic. Allowed values are "yes" and "no". Default is "yes".

- `target_dscp` - (Optional) The target differentiated services code point (DSCP) of the path attached to the layer 3 outside profile. Allowed values are "CS0", "CS1", "AF11", "AF12", "AF13", "CS2", "AF21", "AF22", "AF23", "CS3", "AF31", "AF32", "AF33", "CS4", "AF41", "AF42", "AF43", "CS5", "VA", "EF", "CS6", "CS7" and "unspecified". Default is "unspecified".
- `relation_vz_rs_subj_graph_att` - (Optional) Relation to class vnsAbsGraph. Cardinality - N_TO_ONE. Type - String.
- `relation_vz_rs_sdwan_pol` - (Optional) Relation to class extdevSDWanSlaPol. Cardinality - N_TO_ONE. Type - String.
- `relation_vz_rs_subj_filt_att` - (Optional) Relation to class vzFilter. Cardinality - N_TO_M. Type - Set of String.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Contract Subject.

Importing

An existing Contract Subject can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_contract_subject.example <Dn>
```

aci_taboo_contract

Manages ACI Taboo Contract

Example Usage

```
resource "aci_taboo_contract" "example" {

  tenant_dn  = "${aci_tenant.example.id}"

  name  = "example"
  annotation  = "example"
  name_alias  = "example"
}
```

Argument Reference

- `tenant_dn` - (Required) Distinguished name of parent Tenant object.
- `name` - (Required) name of Object taboo_contract.
- `annotation` - (Optional) annotation for object taboo_contract.
- `name_alias` - (Optional) name_alias for object taboo_contract.

Attribute Reference

The only attribute that this resource exports is the `id`, which is set to the Dn of the Taboo Contract.

Importing

An existing Taboo Contract can be imported (https://www.terraform.io/docs/import/index.html) into this resource via its Dn, via the following command:

```
terraform import aci_taboo_contract.example <Dn>
```