

» **avi__useraccountprofile**

This data source is used to to get avi__useraccountprofile objects.

» **Example Usage**

```
data "avi_useraccountprofile" "foo_useraccountprofile" {
  uuid = "useraccountprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search UserAccountProfile by name.
- **uuid** - (Optional) Search UserAccountProfile by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **account_lock_timeout** - Lock timeout period (in minutes).
- **credentials_timeout_threshold** - The time period after which credentials expire.
- **max_concurrent_sessions** - Maximum number of concurrent sessions allowed.
- **max_login_failure_count** - Number of login attempts before lockout.
- **max_password_history_count** - Maximum number of passwords to be maintained in the password history.
- **name** - Name of the object.
- **uuid** - Unique object identifier of the object.

» **avi__role**

This data source is used to to get avi__role objects.

» **Example Usage**

```
data "avi_role" "foo_role" {
  uuid = "role-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search Role by name.
- **uuid** - (Optional) Search Role by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **name** - Name of the object.
- **privileges** - List of list.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Unique object identifier of the object.

» avi_natpolicy

This data source is used to to get avi_natpolicy objects.

» Example Usage

```
data "avi_natpolicy" "foo_natpolicy" {
  uuid = "natpolicy-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search NatPolicy by name.
- **uuid** - (Optional) Search NatPolicy by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **created_by** - Creator name.
- **description** - Field introduced in 18.2.3.
- **name** - Name of the nat policy.
- **rules** - Nat policy rules.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the nat policy.

» **avi_ipaddrgroup**

This data source is used to to get avi_ipaddrgroup objects.

» **Example Usage**

```
data "avi_ipaddrgroup" "foo_ipaddrgroup" {
  uuid = "ipaddrgroup-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search IpAddrGroup by name.
- **uuid** - (Optional) Search IpAddrGroup by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **addrs** - Configure ip address(es).
- **apic_epg_name** - Populate ip addresses from members of this cisco apic epg.
- **country_codes** - Populate the ip address ranges from the geo database for this country.
- **description** - User defined description for the object.
- **ip_ports** - Configure (ip address, port) tuple(s).
- **marathon_app_name** - Populate ip addresses from tasks of this marathon app.
- **marathon_service_port** - Task port associated with marathon service port.
- **name** - Name of the ip address group.
- **prefixes** - Configure ip address prefix(es).
- **ranges** - Configure ip address range(s).
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the ip address group.

» **avi_microservicegroup**

This data source is used to to get avi_microservicegroup objects.

» Example Usage

```
data "avi_microservicegroup" "foo_microservicegroup" {
  uuid = "microservicegroup-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search MicroServiceGroup by name.
- **uuid** - (Optional) Search MicroServiceGroup by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **created_by** - Creator name.
- **description** - User defined description for the object.
- **name** - Name of the microservice group.
- **service_refs** - Configure microservice(es).
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the microservice group.

» avi_stringgroup

This data source is used to to get avi_stringgroup objects.

» Example Usage

```
data "avi_stringgroup" "foo_stringgroup" {
  uuid = "stringgroup-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search StringGroup by name.
- **uuid** - (Optional) Search StringGroup by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **description** - User defined description for the object.
- **kv** - Configure key value in the string group.
- **name** - Name of the string group.
- **tenant_ref** - It is a reference to an object of type tenant.
- **type** - Type of stringgroup.
- **uuid** - Uuid of the string group.

» avi__trafficcloneprofile

This data source is used to to get avi__trafficcloneprofile objects.

» Example Usage

```
data "avi_trafficcloneprofile" "foo_trafficcloneprofile" {
  uuid = "trafficcloneprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
  cloud_ref = "/api/cloud/?tenant=admin&name=Default-Cloud"
}
```

» Argument Reference

- **name** - (Optional) Search TrafficCloneProfile by name.
- **uuid** - (Optional) Search TrafficCloneProfile by uuid.
- **cloud_ref** - (Optional) Search TrafficCloneProfile by cloud_ref.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **clone_servers** - Field introduced in 17.1.1.
- **cloud_ref** - It is a reference to an object of type cloud.
- **name** - Name for the traffic clone profile.
- **preserve_client_ip** - Specifies if client ip needs to be preserved to clone destination.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the traffic clone profile.

» **avi__webhook**

This data source is used to to get avi__webhook objects.

» **Example Usage**

```
data "avi__webhook" "foo_webhook" {  
  uuid = "webhook-f9cf6b3e-a411-436f-95e2-2982ba2b217b"  
  name = "foo"  
}
```

» **Argument Reference**

- **name** - (Optional) Search Webhook by name.
- **uuid** - (Optional) Search Webhook by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **callback_url** - Callback url for the webhook.
- **description** - Field introduced in 17.1.1.
- **name** - The name of the webhook profile.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the webhook profile.
- **verification_token** - Verification token sent back with the callback as-query parameters.

» **avi__authprofile**

This data source is used to to get avi__authprofile objects.

» **Example Usage**

```
data "avi__authprofile" "foo_authprofile" {  
  uuid = "authprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"  
  name = "foo"  
}
```

» Argument Reference

- **name** - (Optional) Search AuthProfile by name.
- **uuid** - (Optional) Search AuthProfile by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **description** - User defined description for the object.
- **http** - Http user authentication params.
- **ldap** - Ldap server and directory settings.
- **name** - Name of the auth profile.
- **pa_agent_ref** - Pingaccessagent uuid.
- **saml** - Saml settings.
- **tacacs_plus** - Tacacs+ settings.
- **tenant_ref** - It is a reference to an object of type tenant.
- **type** - Type of the auth profile.
- **uuid** - Uuid of the auth profile.

» avi_sslkeyandcertificate

This data source is used to to get avi_sslkeyandcertificate objects.

» Example Usage

```
data "avi_sslkeyandcertificate" "foo_sslkeyandcertificate" {  
    uuid = "sslkeyandcertificate-f9cf6b3e-a411-436f-95e2-2982ba2b217b"  
    name = "foo"  
}
```

» Argument Reference

- **name** - (Optional) Search SSLKeyAndCertificate by name.
- **uuid** - (Optional) Search SSLKeyAndCertificate by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **ca_certs** - Ca certificates in certificate chain.

- **certificate** - Dict settings for sslkeyandcertificate.
- **certificate_base64** - States if the certificate is base64 encoded.
- **certificate_management_profile_ref** - It is a reference to an object of type `certificatemanagementprofile`.
- **created_by** - Creator name.
- **dynamic_params** - Dynamic parameters needed for certificate management profile.
- **enckey_base64** - Encrypted private key corresponding to the private key (e.g.
- **enckey_name** - Name of the encrypted private key (e.g.
- **format** - Format of the key/certificate file.
- **hardwaresecuritymodulegroup_ref** - It is a reference to an object of type `hardwaresecuritymodulegroup`.
- **key** - Private key.
- **key_base64** - States if the private key is base64 encoded.
- **key_params** - Dict settings for sslkeyandcertificate.
- **key_passphrase** - Passphrase used to encrypt the private key.
- **name** - Name of the object.
- **status** - Enum options - `ssl_certificate_finished`, `ssl_certificate_pending`.
- **tenant_ref** - It is a reference to an object of type `tenant`.
- **type** - Enum options - `ssl_certificate_type_virtualservice`, `ssl_certificate_type_system`, `ssl_certificate_type_ca`.
- **uuid** - Unique object identifier of the object.

» **avi_sslprofile**

This data source is used to to get `avi_sslprofile` objects.

» **Example Usage**

```
data "avi_sslprofile" "foo_sslprofile" {
  uuid = "sslprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search SSLProfile by name.
- **uuid** - (Optional) Search SSLProfile by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **accepted_ciphers** - Ciphers suites represented as defined by u(<http://www.openssl.org/docs/apps/ciphers.html>).
- **accepted_versions** - Set of versions accepted by the server.
- **cipher_enums** - Enum options - `tls_ecdhe_ecdsa_with_aes_128_gcm_sha256`, `tls_ecdhe_ecdsa_with_aes_256_gcm_sha384`, `tls_ecdhe_rsa_with_aes_128_gcm_sha256`, `tls_ecdhe_rsa_with_aes_256_gcm_sha384`, `tls_ecdhe_ecdsa_with_aes_128_cbc_sha256`, `tls_ecdhe_ecdsa_with_aes_256_cbc_sha384`, `tls_ecdhe_rsa_with_aes_128_cbc_sha256`, `tls_ecdhe_rsa_with_aes_256_cbc_sha384`, `tls_rsa_with_aes_128_gcm_sha256`, `tls_rsa_with_aes_256_gcm_sha384`, `tls_rsa_with_aes_128_cbc_sha256`, `tls_rsa_with_aes_256_cbc_sha256`, `tls_ecdhe_ecdsa_with_aes_128_cbc_sha`, `tls_ecdhe_ecdsa_with_aes_256_cbc_sha`, `tls_ecdhe_rsa_with_aes_128_cbc_sha`, `tls_ecdhe_rsa_with_aes_256_cbc_sha`, `tls_rsa_with_aes_128_cbc_sha`, `tls_rsa_with_aes_256_cbc_sha`, `tls_rsa_with_3des_edc_cbc_sha`, `tls_rsa_with_rc4_128_sha`.
- **description** - User defined description for the object.
- **dhparam** - Dh parameters used in ssl.
- **enable_ssl_session_reuse** - Enable ssl session re-use.
- **name** - Name of the object.
- **prefer_client_cipher_ordering** - Prefer the ssl cipher ordering presented by the client during the ssl handshake over the one specified in the ssl profile.
- **send_close_notify** - Send 'close notify' alert message for a clean shut-down of the ssl connection.
- **ssl_rating** - Dict settings for sslprofile.
- **ssl_session_timeout** - The amount of time in seconds before an ssl session expires.
- **tags** - List of list.
- **tenant_ref** - It is a reference to an object of type tenant.
- **type** - Ssl profile type.
- **uuid** - Unique object identifier of the object.

» avi_pkiprofile

This data source is used to to get avi_pkiprofile objects.

» Example Usage

```
data "avi_pkiprofile" "foo_pkiprofile" {
  uuid = "pkiprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
```

}

» Argument Reference

- **name** - (Optional) Search PKIProfile by name.
- **uuid** - (Optional) Search PKIProfile by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **ca_certs** - List of certificate authorities (root and intermediate) trusted that is used for certificate validation.
- **created_by** - Creator name.
- **crl_check** - When enabled, avi will verify via crl checks that certificates in the trust chain have not been revoked.
- **crls** - Certificate revocation lists.
- **ignore_peer_chain** - When enabled, avi will not trust intermediate and root certs presented by a client.
- **is_federated** - This field describes the object's replication scope.
- **name** - Name of the pki profile.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Unique object identifier of the object.
- **validate_only_leaf_crl** - When enabled, avi will only validate the revocation status of the leaf certificate using crl.

» avi_certificatemanagementprofile

This data source is used to to get avi_certificatemanagementprofile objects.

» Example Usage

```
data "avi_certificatemanagementprofile" "foo_certificatemanagementprofile" {  
    uuid = "certificatemanagementprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"  
    name = "foo"  
}
```

» Argument Reference

- **name** - (Optional) Search CertificateManagementProfile by name.
- **uuid** - (Optional) Search CertificateManagementProfile by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **name** - Name of the pki profile.
- **script_params** - List of list.
- **script_path** - Placeholder for description of property script_path of obj type certificatemanagementprofile field type string type str.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Unique object identifier of the object.

» avi_ssopolicy

This data source is used to to get avi_ssopolicy objects.

» Example Usage

```
data "avi_ssopolicy" "foo_ssopolicy" {
  uuid = "ssopolicy-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search SSOPolicy by name.
- **uuid** - (Optional) Search SSOPolicy by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **authentication_policy** - Authentication policy settings.
- **authorization_policy** - Authorization policy settings.
- **name** - Name of the sso policy.
- **tenant_ref** - Uuid of the tenant.
- **type** - Sso policy type.
- **uuid** - Uuid of the sso policy.

» avi_l4policyset

This data source is used to to get avi_l4policyset objects.

» Example Usage

```
data "avi_l4policyset" "foo_l4policyset" {
  uuid = "l4policyset-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- `name` - (Optional) Search L4PolicySet by name.
- `uuid` - (Optional) Search L4PolicySet by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `created_by` - Creator name.
- `description` - Field introduced in 17.2.7.
- `is_internal_policy` - Field introduced in 17.2.7.
- `l4_connection_policy` - Policy to apply when a new transport connection is setup.
- `name` - Name of the l4 policy set.
- `tenant_ref` - It is a reference to an object of type tenant.
- `uuid` - Id of the l4 policy set.

» avi__scheduler

This data source is used to to get avi_scheduler objects.

» Example Usage

```
data "avi_scheduler" "foo_scheduler" {
  uuid = "scheduler-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- `name` - (Optional) Search Scheduler by name.
- `uuid` - (Optional) Search Scheduler by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `backup_config_ref` - Backup configuration to be executed by this scheduler.
- `enabled` - Boolean flag to set enabled.
- `end_date_time` - Scheduler end date and time.
- `frequency` - Frequency at which custom scheduler will run.
- `frequency_unit` - Unit at which custom scheduler will run.
- `name` - Name of scheduler.
- `run_mode` - Scheduler run mode.
- `run_script_ref` - Control script to be executed by this scheduler.
- `scheduler_action` - Define scheduler action.
- `start_date_time` - Scheduler start date and time.
- `tenant_ref` - It is a reference to an object of type tenant.
- `uuid` - Unique object identifier of the object.

» avi_backupconfiguration

This data source is used to to get avi_backupconfiguration objects.

» Example Usage

```
data "avi_backupconfiguration" "foo_backupconfiguration" {
  uuid = "backupconfiguration-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- `name` - (Optional) Search BackupConfiguration by name.
- `uuid` - (Optional) Search BackupConfiguration by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `aws_access_key` - Aws access key id.
- `aws_bucket_id` - Aws bucket.
- `aws_secret_access` - Aws secret access key.
- `backup_file_prefix` - Prefix of the exported configuration file.

- `backup_passphrase` - Passphrase of backup configuration.
- `maximum_backups_stored` - Rotate the backup files based on this count.
- `name` - Name of backup configuration.
- `remote_directory` - Directory at remote destination with write permission for ssh user.
- `remote_hostname` - Remote destination.
- `save_local` - Local backup.
- `ssh_user_ref` - Access credentials for remote destination.
- `tenant_ref` - It is a reference to an object of type tenant.
- `upload_to_remote_host` - Remote backup.
- `upload_to_s3` - Cloud backup.
- `uuid` - Unique object identifier of the object.

» `avi_tenant`

This data source is used to to get `avi_tenant` objects.

» Example Usage

```
data "avi_tenant" "foo_tenant" {
  uuid = "tenant-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- `name` - (Optional) Search Tenant by name.
- `uuid` - (Optional) Search Tenant by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `config_settings` - Dict settings for tenant.
- `created_by` - Creator of this tenant.
- `description` - User defined description for the object.
- `local` - Boolean flag to set local.
- `name` - Name of the object.
- `uuid` - Unique object identifier of the object.

» **avi__serviceenginegroup**

This data source is used to to get avi__serviceenginegroup objects.

» **Example Usage**

```
data "avi_serviceenginegroup" "foo_serviceenginegroup" {
  uuid = "serviceenginegroup-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
  cloud_ref = "/api/cloud/?tenant=admin&name=Default-Cloud"
}
```

» **Argument Reference**

- **name** - (Optional) Search ServiceEngineGroup by name.
- **uuid** - (Optional) Search ServiceEngineGroup by uuid.
- **cloud_ref** - (Optional) Search ServiceEngineGroup by cloud_ref.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **accelerated_networking** - Enable accelerated networking option for azure se.
- **active_standby** - Service engines in active/standby mode for ha failover.
- **advertise_backend_networks** - Advertise reach-ability of backend server networks via adc through bgp for default gateway feature.
- **aggressive_failure_detection** - Enable aggressive failover configuration for ha.
- **algo** - In compact placement, virtual services are placed on existing ses until max_vs_per_se limit is reached.
- **allow_burst** - Allow ses to be created using burst license.
- **app_cache_percent** - A percent value of total se memory reserved for applicationcaching.
- **app_learning_memory_percent** - A percent value of total se memory reserved for application learning.
- **archive_shm_limit** - Amount of se memory in gb until which shared memory is collected in core archive.
- **async_ssl** - Ssl handshakes will be handled by dedicated ssl threads.requires se reboot.
- **async_ssl_threads** - Number of async ssl threads per se_dp.requires se reboot.

- **auto_rebalance** - If set, virtual services will be automatically migrated when load on an se is less than minimum or more than maximum thresholds.
- **auto_rebalance_capacity_per_se** - Capacities of se for auto rebalance for each criteria.
- **auto_rebalance_criteria** - Set of criteria for se auto rebalance.
- **auto_rebalance_interval** - Frequency of rebalance, if 'auto rebalance' is enabled.
- **auto_redistribute_active_standby_load** - Redistribution of virtual services from the takeover se to the replacement se can cause momentary traffic loss.
- **bgp_state_update_interval** - Bgp peer state update interval.
- **buffer_se** - Excess service engine capacity provisioned for ha failover.
- **cloud_ref** - It is a reference to an object of type cloud.
- **config_debugs_on_all_cores** - Enable config debugs on all cores of se.
- **connection_memory_percentage** - Percentage of memory for connection state.
- **cpu_reserve** - Boolean flag to set cpu_reserve.
- **cpu_socket_affinity** - Allocate all the cpu cores for the service engine virtual machines on the same cpu socket.
- **custom_securitygroups_data** - Custom security groups to be associated with data vnics for se instances in openstack and aws clouds.
- **custom_securitygroups_mgmt** - Custom security groups to be associated with management vnic for se instances in openstack and aws clouds.
- **custom_tag** - Custom tag will be used to create the tags for se instance in aws.
- **data_network_id** - Subnet used to spin up the data nic for service engines, used only for azure cloud.
- **datascript_timeout** - Number of instructions before datascript times out.
- **dedicated_dispatcher_core** - Dedicate the core that handles packet receive/transmit from the network to just the dispatching function.
- **description** - User defined description for the object.
- **disable_avi_securitygroups** - By default, avi creates and manages security groups along with custom sg provided by user.
- **disable_csum_offloads** - Stop using tcp/udp and ip checksum offload features of nics.
- **disable_gro** - Disable generic receive offload (gro) in dpdk poll-mode driver packet receive path.
- **disable_se_memory_check** - If set, disable the config memory check done in service engine.
- **disable_tso** - Disable tcp segmentation offload (tso) in dpdk poll-mode driver packet transmit path.
- **disk_per_se** - Amount of disk space for each of the service engine virtual machines.
- **distribute_load_active_standby** - Use both the active and standby

service engines for virtual service placement in the legacy active standby ha mode.

- **distribute_queues** - Distributes queue ownership among cores so multiple cores handle dispatcher duties.requires se reboot.
- **distribute_vnics** - Distributes vnic ownership among cores so multiple cores handle dispatcher duties.requires se reboot.
- **enable_gratarp_permanent** - Enable gratarp for vip_ip.
- **enable_hsm_priming** - (this is a beta feature).
- **enable_multi_lb** - Applicable only for azure cloud with basic sku lb.
- **enable_routing** - Enable routing for this serviceenginegroup .
- **enable_vip_on_all_interfaces** - Enable vip on all interfaces of se.
- **enable_vmac** - Use virtual mac address for interfaces on which floating interface ips are placed.
- **ephemeral_portrange_end** - End local ephemeral port number for outbound connections.
- **ephemeral_portrange_start** - Start local ephemeral port number for outbound connections.
- **extra_config_multiplier** - Multiplier for extra config to support large vs/pool config.
- **extra_shared_config_memory** - Extra config memory to support large geo db configuration.
- **floating_intf_ip** - If serviceenginegroup is configured for legacy 1+1 active standby ha mode, floating ip's will be advertised only by the active se in the pair.
- **floating_intf_ip_se_2** - If serviceenginegroup is configured for legacy 1+1 active standby ha mode, floating ip's will be advertised only by the active se in the pair.
- **flow_table_new_syn_max_entries** - Maximum number of flow table entries that have not completed tcp three-way handshake yet.
- **free_list_size** - Number of entries in the free list.
- **gratarp_permanent_periodicity** - Gratarp periodicity for vip-ip.
- **ha_mode** - High availability mode for all the virtual services using this service engine group.
- **hardwaresecuritymodulegroup_ref** - It is a reference to an object of type hardwaresecuritymodulegroup.
- **heap_minimum_config_memory** - Minimum required heap memory to apply any configuration.
- **hm_on_standby** - Enable active health monitoring from the standby se for all placed virtual services.
- **host_attribute_key** - Key of a (key, value) pair identifying a label for a set of nodes usually in container clouds.
- **host_attribute_value** - Value of a (key, value) pair identifying a label for a set of nodes usually in container clouds.
- **host_gateway_monitor** - Enable the host gateway monitor when service engine is deployed as docker container.
- **hypervisor** - Override default hypervisor.

- `ignore_rtt_threshold` - Ignore rtt samples if it is above threshold.
- `ingress_access_data` - Program se security group ingress rules to allow vip data access from remote cidr type.
- `ingress_access_mgmt` - Program se security group ingress rules to allow ssh/icmp management access from remote cidr type.
- `instance_flavor` - Instance/flavor name for se instance.
- `iptables` - Iptable rules.
- `least_load_core_selection` - Select core with least load for new flow.
- `license_tier` - Specifies the license tier which would be used.
- `license_type` - If no license type is specified then default license enforcement for the cloud type is chosen.
- `log_disksz` - Maximum disk capacity (in mb) to be allocated to an se.
- `max_cpu_usage` - When cpu usage on an se exceeds this threshold, virtual services hosted on this se may be rebalanced to other ses to reduce load.
- `max_memory_per_mempool` - Max bytes that can be allocated in a single mempool.
- `max_public_ips_per_lb` - Applicable to azure platform only.
- `max_rules_per_lb` - Applicable to azure platform only.
- `max_scaleout_per_vs` - Maximum number of active service engines for the virtual service.
- `max_se` - Maximum number of services engines in this group.
- `max_vs_per_se` - Maximum number of virtual services that can be placed on a single service engine.
- `mem_reserve` - Boolean flag to set mem_reserve.
- `memory_for_config_update` - Indicates the percent of memory reserved for config updates.
- `memory_per_se` - Amount of memory for each of the service engine virtual machines.
- `mgmt_network_ref` - Management network to use for avi service engines.
- `mgmt_subnet` - Management subnet to use for avi service engines.
- `min_cpu_usage` - When cpu usage on an se falls below the minimum threshold, virtual services hosted on the se may be consolidated onto other underutilized ses.
- `min_scaleout_per_vs` - Minimum number of active service engines for the virtual service.
- `min_se` - Minimum number of services engines in this group (relevant for se autorebalance only).
- `minimum_connection_memory` - Indicates the percent of memory reserved for connections.
- `n_log_streaming_threads` - Number of threads to use for log streaming.
- `name` - Name of the object.
- `non_significant_log_throttle` - This setting limits the number of non-significant logs generated per second per core on this se.
- `num_dispatcher_cores` - Number of dispatcher cores (0,1,2,4,8 or 16).
- `num_flow_cores_sum_changes_to_ignore` - Number of changes in num flow cores sum to ignore.

- `openstack_availability_zones` - Field introduced in 17.1.1.
- `openstack_mgmt_network_name` - Avi management network name.
- `openstack_mgmt_network_uuid` - Management network uuid.
- `os_reserved_memory` - Amount of extra memory to be reserved for use by the operating system on a service engine.
- `per_app` - Per-app se mode is designed for deploying dedicated load balancers per app (vs).
- `placement_mode` - If placement mode is 'auto', virtual services are automatically placed on service engines.
- `realtime_se_metrics` - Enable or disable real time se metrics.
- `reboot_on_panic` - Reboot the vm or host on kernel panic.
- `se_bandwidth_type` - Select the se bandwidth for the bandwidth license.
- `se_deprovision_delay` - Duration to preserve unused service engine virtual machines before deleting them.
- `se_dos_profile` - Dict settings for serviceenginegroup.
- `se_dp_vnic_queue_stall_event_sleep` - Time (in seconds) service engine waits for after generating a vnic transmit queue stall event before resetting thenic.
- `se_dp_vnic_queue_stall_threshold` - Number of consecutive transmit failures to look for before generating a vnic transmit queue stall event.
- `se_dp_vnic_queue_stall_timeout` - Time (in milliseconds) to wait for network/nic recovery on detecting a transmit queue stall after which service engine resets the nic.
- `se_dp_vnic_restart_on_queue_stall_count` - Number of consecutive transmit queue stall events in `se_dp_vnic_stall_se_restart_window` to look for before restarting se.
- `se_dp_vnic_stall_se_restart_window` - Window of time (in seconds) during which `se_dp_vnic_restart_on_queue_stall_count` number of consecutive stalls results in a se restart.
- `se_dpdk_pmd` - Determines if dpdk pool mode driver should be used or not 0 automatically determine based on hypervisor/nic type 1 unconditionally use dpdk poll mode driver 2 don't use dpdk poll mode driver.requires se reboot.
- `se_flow_probe_retries` - Flow probe retry count if no replies are received.requires se reboot.
- `se_flow_probe_retry_timer` - Timeout in milliseconds for flow probe retries.requires se reboot.
- `se_ipc_udp_port` - Udp port for se_dp ipc in docker bridge mode.
- `se_lro` - Enable or disable large receive optimization for vnics.
- `se_name_prefix` - Prefix to use for virtual machine name of service engines.
- `se_pcap_lookahead` - Enables lookahead mode of packet receive in pcap mode.
- `se_pcap_pkt_count` - Max number of packets the pcap interface can hold and if the value is 0 the optimum value will be chosen.
- `se_pcap_pkt_sz` - Max size of each packet in the pcap interface.

- **se_pcap_reinit_frequency** - Frequency in seconds at which periodically a pcap reinit check is triggered.
- **se_pcap_reinit_threshold** - Threshold for input packet receive errors in pcap mode exceeding which a pcap reinit is triggered.
- **se_probe_port** - Tcp port on se where echo service will be run.
- **se_remote_punt_udp_port** - Udp port for punted packets in docker bridge mode.
- **se_routing** - Enable routing via service engine datapath.
- **se_sb_dedicated_core** - Sideband traffic will be handled by a dedicated core.requires se reboot.
- **se_sb_threads** - Number of sideband threads per se.requires se reboot.
- **se_thread_multiplier** - Multiplier for se threads based on vcpu.
- **se_tracert_port_range** - Traceroute port range.
- **se_tunnel_mode** - Determines if dsr from secondary se is active or not 0 automatically determine based on hypervisor type.
- **se_tunnel_udp_port** - Udp port for tunneled packets from secondary to primary se in docker bridge mode.requires se reboot.
- **se_tx_batch_size** - Number of packets to batch for transmit to the nic.
- **se_udp_encap_ipc** - Determines if se-se ipc messages are encapsulated in a udp header 0 automatically determine based on hypervisor type.
- **se_use_dpdk** - Determines if dpdk library should be used or not 0 automatically determine based on hypervisor type 1 use dpdk if pcap is not enabled 2 don't use dpdk.
- **se_vs_hb_max_pkts_in_batch** - Maximum number of aggregated vs heartbeat packets to send in a batch.
- **se_vs_hb_max_vs_in_pkt** - Maximum number of virtualservices for which heartbeat messages are aggregated in one packet.
- **self_se_election** - Enable ses to elect a primary amongst themselves in the absence of a connectivity to controller.
- **service_ip6_subnets** - Ipv6 subnets assigned to the se group.
- **service_ip_subnets** - Subnets assigned to the se group.
- **shm_minimum_config_memory** - Minimum required shared memory to apply any configuration.
- **significant_log_throttle** - This setting limits the number of significant logs generated per second per core on this se.
- **ssl_preprocess_sni_hostname** - (beta) preprocess ssl client hello for sni hostname extension.if set to true, this will apply sni child's ssl protocol(s), if they are different from sni parent's allowed ssl protocol(s).
- **tenant_ref** - It is a reference to an object of type tenant.
- **udf_log_throttle** - This setting limits the number of udf logs generated per second per core on this se.
- **use_standard_alb** - Use standard sku azure load balancer.
- **uuid** - Unique object identifier of the object.
- **vcenter_clusters** - Dict settings for serviceenginegroup.
- **vcenter_datastore_mode** - Enum options - vcenter_datastore_any, vcenter_datastore_local, vcenter_datastore_shared.

- `vcenter_datastores` - List of list.
- `vcenter_datastores_include` - Boolean flag to set `vcenter_datastores_include`.
- `vcenter_folder` - Folder to place all the service engine virtual machines in vcenter.
- `vcenter_hosts` - Dict settings for serviceenginegroup.
- `vcpus_per_se` - Number of vcpus for each of the service engine virtual machines.
- `vip_asg` - When `vip_asg` is set, vip configuration will be managed by avi.user will be able to configure `vip_asg` or vips individually at the time of create.
- `vs_host_redundancy` - Ensure primary and secondary service engines are deployed on different physical hosts.
- `vs_scalein_timeout` - Time to wait for the scaled in se to drain existing flows before marking the scalein done.
- `vs_scalein_timeout_for_upgrade` - During se upgrade, time to wait for the scaled-in se to drain existing flows before marking the scalein done.
- `vs_scaleout_timeout` - Time to wait for the scaled out se to become ready before marking the scaleout done.
- `vs_se_scaleout_additional_wait_time` - Wait time for sending scaleout ready notification after virtual service is marked up.
- `vs_se_scaleout_ready_timeout` - Timeout in seconds for service engine to sendscaleout ready notification of a virtual service.
- `vs_switchover_timeout` - During se upgrade in a legacy active/standby segroup, time to wait for the new primary se to accept flows before marking the switchover done.
- `vss_placement` - Parameters to place virtual services on only a subset of the cores of an se.
- `vss_placement_enabled` - If set, virtual services will be placed on only a subset of the cores of an se.
- `waf_mempool` - Enable memory pool for waf.requires se reboot.
- `waf_mempool_size` - Memory pool size used for waf.requires se reboot.

» `avi_networkservice`

This data source is used to to get `avi_networkservice` objects.

» Example Usage

```
data "avi_networkservice" "foo_networkservice" {
  uuid = "networkservice-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
  cloud_ref = "/api/cloud/?tenant=admin&name=Default-Cloud"
}
```

» Argument Reference

- **name** - (Optional) Search NetworkService by name.
- **uuid** - (Optional) Search NetworkService by uuid.
- **cloud_ref** - (Optional) Search NetworkService by cloud_ref.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **cloud_ref** - It is a reference to an object of type cloud.
- **name** - Name of the networkservice.
- **routing_service** - Routing information of the networkservice.
- **se_group_ref** - Service engine group to which the service is applied.
- **service_type** - Indicates the type of networkservice.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the networkservice.
- **vrf_ref** - Vrf context to which the service is scoped.

» avi_dnspolicy

This data source is used to to get avi_dnspolicy objects.

» Example Usage

```
data "avi_dnspolicy" "foo_dnspolicy" {
  uuid = "dnspolicy-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search DnsPolicy by name.
- **uuid** - (Optional) Search DnsPolicy by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **created_by** - Creator name.
- **description** - Field introduced in 17.1.1.

- **name** - Name of the dns policy.
- **rule** - Dns rules.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the dns policy.

» **avi__hardwaresecuritymodulegroup**

This data source is used to to get avi__hardwaresecuritymodulegroup objects.

» **Example Usage**

```
data "avi__hardwaresecuritymodulegroup" "foo__hardwaresecuritymodulegroup" {
  uuid = "hardwaresecuritymodulegroup-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search HardwareSecurityModuleGroup by name.
- **uuid** - (Optional) Search HardwareSecurityModuleGroup by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **hsm** - Hardware security module configuration.
- **name** - Name of the hsm group configuration object.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the hsm group configuration object.

» **avi__vrfcontext**

This data source is used to to get avi__vrfcontext objects.

» **Example Usage**

```
data "avi__vrfcontext" "foo_vrfcontext" {
  uuid = "vrfcontext-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

```

    cloud_ref = "/api/cloud/?tenant=admin&name=Default-Cloud"
}

```

» Argument Reference

- **name** - (Optional) Search VrfContext by name.
- **uuid** - (Optional) Search VrfContext by uuid.
- **cloud_ref** - (Optional) Search VrfContext by cloud_ref.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **bgp_profile** - Bgp local and peer info.
- **cloud_ref** - It is a reference to an object of type cloud.
- **debugvrfcontext** - Configure debug flags for vrf.
- **description** - User defined description for the object.
- **gateway_mon** - Configure ping based heartbeat check for gateway in service engines of vrf.
- **internal_gateway_monitor** - Configure ping based heartbeat check for all default gateways in service engines of vrf.
- **name** - Name of the object.
- **static_routes** - List of list.
- **system_default** - Boolean flag to set system_default.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Unique object identifier of the object.

» avi_securitypolicy

This data source is used to to get avi_securitypolicy objects.

» Example Usage

```

data "avi_securitypolicy" "foo_securitypolicy" {
    uuid = "securitypolicy-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
    name = "foo"
}

```

» Argument Reference

- **name** - (Optional) Search SecurityPolicy by name.

- `uuid` - (Optional) Search SecurityPolicy by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `description` - Security policy is used to specify various configuration information used to perform distributed denial of service (ddos) attacks detection and mitigation.
- `dns_attacks` - Attacks utilizing the dns protocol operations.
- `dns_policy_index` - Index of the dns policy to use for the mitigation rules applied to the dns attacks.
- `name` - The name of the security policy.
- `network_security_policy_index` - Index of the network security policy to use for the mitigation rules applied to the attacks.
- `oper_mode` - Mode of dealing with the attacks - perform detection only, or detect and mitigate the attacks.
- `tcp_attacks` - Attacks utilizing the tcp protocol operations.
- `tenant_ref` - Tenancy of the security policy.
- `udp_attacks` - Attacks utilizing the udp protocol operations.
- `uuid` - The uuid of the security policy.

» avi__protocolparser

This data source is used to to get avi__protocolparser objects.

» Example Usage

```
data "avi_protocolparser" "foo_protocolparser" {
  uuid = "protocolparser-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- `name` - (Optional) Search ProtocolParser by name.
- `uuid` - (Optional) Search ProtocolParser by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **description** - Description of the protocol parser.
- **name** - Name of the protocol parser.
- **parser_code** - Command script provided inline.
- **tenant_ref** - Tenant uuid of the protocol parser.
- **uuid** - Uuid of the protocol parser.

» **avi__cloudproperties**

This data source is used to to get avi__cloudproperties objects.

» **Example Usage**

```
data "avi__cloudproperties" "foo_cloudproperties" {
  uuid = "cloudproperties-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search CloudProperties by name.
- **uuid** - (Optional) Search CloudProperties by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **cc_props** - Cloudconnector properties.
- **cc_vtypes** - Cloud types supported by cloudconnector.
- **hyp_props** - Hypervisor properties.
- **info** - Properties specific to a cloud type.
- **uuid** - Unique object identifier of the object.

» **avi__applicationpersistenceprofile**

This data source is used to to get avi__applicationpersistenceprofile objects.

» Example Usage

```
data "avi_applicationpersistenceprofile" "foo_applicationpersistenceprofile" {
  uuid = "applicationpersistenceprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search ApplicationPersistenceProfile by name.
- **uuid** - (Optional) Search ApplicationPersistenceProfile by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **app_cookie_persistence_profile** - Specifies the application cookie persistence profile parameters.
- **description** - User defined description for the object.
- **hdr_persistence_profile** - Specifies the custom http header persistence profile parameters.
- **http_cookie_persistence_profile** - Specifies the http cookie persistence profile parameters.
- **ip_persistence_profile** - Specifies the client ip persistence profile parameters.
- **is_federated** - This field describes the object's replication scope.
- **name** - A user-friendly name for the persistence profile.
- **persistence_type** - Method used to persist clients to the same server for a duration of time or a session.
- **server_hm_down_recovery** - Specifies behavior when a persistent server has been marked down by a health monitor.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the persistence profile.

» avi__backup

This data source is used to to get avi__backup objects.

» Example Usage

```
data "avi_backup" "foo_backup" {
  uuid = "backup-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
```

```

    name = "foo"
}

```

» Argument Reference

- **name** - (Optional) Search Backup by name.
- **uuid** - (Optional) Search Backup by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **backup_config_ref** - Backupconfiguration information.
- **file_name** - The file name of backup.
- **local_file_url** - Url to download the backup file.
- **remote_file_url** - Url to download the backup file.
- **scheduler_ref** - Scheduler information.
- **tenant_ref** - It is a reference to an object of type tenant.
- **timestamp** - Unix timestamp of when the backup file is created.
- **uuid** - Unique object identifier of the object.

» avi_networksecuritypolicy

This data source is used to to get avi_networksecuritypolicy objects.

» Example Usage

```

data "avi_networksecuritypolicy" "foo_networksecuritypolicy" {
    uuid = "networksecuritypolicy-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
    name = "foo"
}

```

» Argument Reference

- **name** - (Optional) Search NetworkSecurityPolicy by name.
- **uuid** - (Optional) Search NetworkSecurityPolicy by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `cloud_config_cksum` - Checksum of cloud configuration for network security policy.
- `created_by` - Creator name.
- `description` - User defined description for the object.
- `name` - Name of the object.
- `rules` - List of list.
- `tenant_ref` - It is a reference to an object of type tenant.
- `uuid` - Unique object identifier of the object.

» avi__seproperties

This data source is used to to get avi_seproperties objects.

» Example Usage

```
data "avi_seproperties" "foo_seproperties" {
  uuid = "seproperties-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- `name` - (Optional) Search SeProperties by name.
- `uuid` - (Optional) Search SeProperties by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `se_agent_properties` - Dict settings for seproperties.
- `se_bootup_properties` - Dict settings for seproperties.
- `se_runtime_properties` - Dict settings for seproperties.
- `uuid` - Unique object identifier of the object.

» avi__pingaccessagent

This data source is used to to get avi_pingaccessagent objects.

» Example Usage

```
data "avi_pingaccessagent" "foo_pingaccessagent" {
  uuid = "pingaccessagent-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search PingAccessAgent by name.
- **uuid** - (Optional) Search PingAccessAgent by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **description** - Field introduced in 18.2.3.
- **name** - Name of the pingaccess agent.
- **pingaccess_pool_ref** - Pool containing a primary pingaccess server, as well as any failover servers included in the agent.properties file.
- **primary_server** - The ip and port of the primary pingaccess server.
- **properties_file_data** - Pingaccessagent's agent.properties file generated by pingaccess server.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the pingaccess agent.

» avi_gslbgeodbprofile

This data source is used to to get avi_gslbgeodbprofile objects.

» Example Usage

```
data "avi_gslbgeodbprofile" "foo_gslbgeodbprofile" {
  uuid = "gslbgeodbprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search GslbGeoDbProfile by name.
- **uuid** - (Optional) Search GslbGeoDbProfile by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **description** - Field introduced in 17.1.1.
- **entries** - List of geodb entries.
- **is_federated** - This field indicates that this object is replicated across gslb federation.
- **name** - A user-friendly name for the geodb profile.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the geodb profile.

» avi_gslbservice

This data source is used to to get avi_gslbservice objects.

» Example Usage

```
data "avi_gslbservice" "foo_gslbservice" {
  uuid = "gslbservice-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search GslbService by name.
- **uuid** - (Optional) Search GslbService by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **application_persistence_profile_ref** - The federated application persistence associated with gslbservice site persistence functionality.
- **controller_health_status_enabled** - Gs member's overall health status is derived based on a combination of controller and datapath health-status inputs.
- **created_by** - Creator name.
- **description** - User defined description for the object.
- **domain_names** - Fully qualified domain name of the gslb service.
- **down_response** - Response to the client query when the gslb service is down.

- **enabled** - Enable or disable the gslb service.
- **groups** - Select list of pools belonging to this gslb service.
- **health_monitor_refs** - Verify vs health by applying one or more health monitors.
- **health_monitor_scope** - Health monitor probe can be executed for all the members or it can be executed only for third-party members.
- **hm_off** - This field is an internal field and is used in se.
- **is_federated** - This field indicates that this object is replicated across gslb federation.
- **min_members** - The minimum number of members to distribute traffic to.
- **name** - Name for the gslb service.
- **num_dns_ip** - Number of ip addresses of this gslb service to be returned by the dns service.
- **pool_algorithm** - The load balancing algorithm will pick a gslb pool within the gslb service list of available pools.
- **site_persistence_enabled** - Enable site-persistence for the gslbservice.
- **tenant_ref** - It is a reference to an object of type tenant.
- **ttl** - Ttl value (in seconds) for records served for this gslb service by the dns service.
- **use_edns_client_subnet** - Use the client ip subnet from the edns option as source ipaddress for client geo-location and consistent hash algorithm.
- **uuid** - Uuid of the gslb service.
- **wildcard_match** - Enable wild-card match of fqdn if an exact match is not found in the dns table, the longest match is chosen by wild-carding the fqdn in the dns request.

» avi_gslb

This data source is used to to get avi_gslb objects.

» Example Usage

```
data "avi_gslb" "foo_gslb" {
  uuid = "gslb-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search Gslb by name.
- **uuid** - (Optional) Search Gslb by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **async_interval** - Frequency with which messages are propagated to vs mgr.
- **clear_on_max_retries** - Max retries after which the remote site is treated as a fresh start.
- **client_ip_addr_group** - Group to specify if the client ip addresses are public or private.
- **description** - User defined description for the object.
- **dns_configs** - Sub domain configuration for the gslb.
- **error_resync_interval** - Frequency with which errored messages are resynced to follower sites.
- **is_federated** - This field indicates that this object is replicated across gslb federation.
- **leader_cluster_uuid** - Mark this site as leader of gslb configuration.
- **maintenance_mode** - This field disables the configuration operations on the leader for all federated objects.
- **name** - Name for the gslb object.
- **send_interval** - Frequency with which group members communicate.
- **send_interval_prior_to_maintenance_mode** - The user can specify a send-interval while entering maintenance mode.
- **sites** - Select avi site member belonging to this gslb.
- **tenant_ref** - It is a reference to an object of type tenant.
- **third_party_sites** - Third party site member belonging to this gslb.
- **uuid** - Uuid of the gslb object.
- **view_id** - The view-id is used in change-leader mode to differentiate partitioned groups while they have the same gslb namespace.

» avi_cluster

This data source is used to to get avi_cluster objects.

» Example Usage

```
data "avi_cluster" "foo_cluster" {
  uuid = "cluster-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search Cluster by name.
- **uuid** - (Optional) Search Cluster by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **name** - Name of the object.
- **nodes** - List of list.
- **rejoin_nodes_automatically** - Re-join cluster nodes automatically in the event one of the node is reset to factory.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Unique object identifier of the object.
- **virtual_ip** - A virtual ip address.

» avi__clusterclouddetails

This data source is used to to get avi__clusterclouddetails objects.

» Example Usage

```
data "avi__clusterclouddetails" "foo_clusterclouddetails" {
  uuid = "clusterclouddetails-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search ClusterCloudDetails by name.
- **uuid** - (Optional) Search ClusterCloudDetails by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **azure_info** - Azure info to configure cluster__vip on the controller.
- **name** - Field introduced in 17.2.5.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Field introduced in 17.2.5.

» **avi_wafpolicy**

This data source is used to to get avi_wafpolicy objects.

» **Example Usage**

```
data "avi_wafpolicy" "foo_wafpolicy" {
  uuid = "wafpolicy-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search WafPolicy by name.
- **uuid** - (Optional) Search WafPolicy by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **allow_mode_delegation** - Allow rules to overwrite the policy mode.
- **created_by** - Creator name.
- **crs_groups** - Waf rules are categorized in to groups based on their characterization.
- **description** - Field introduced in 17.2.1.
- **enable_app_learning** - Enable application learning for this waf policy.
- **failure_mode** - Waf policy failure mode.
- **mode** - Waf policy mode.
- **name** - Field introduced in 17.2.1.
- **paranoia_level** - Waf ruleset paranoia mode.
- **positive_security_model** - The positive security model.
- **post_crs_groups** - Waf rules are categorized in to groups based on their characterization.
- **pre_crs_groups** - Waf rules are categorized in to groups based on their characterization.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Field introduced in 17.2.1.
- **waf_crs_ref** - Waf core ruleset used for the crs part of this policy.
- **waf_profile_ref** - Waf profile for waf policy.
- **whitelist** - A set of rules which describe conditions under which the request will bypass the waf.

» **avi_wafcrs**

This data source is used to to get avi_wafcrs objects.

» **Example Usage**

```
data "avi_wafcrs" "foo_wafcrs" {
  uuid = "wafcrs-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search WafCRS by name.
- **uuid** - (Optional) Search WafCRS by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **description** - A short description of this ruleset.
- **groups** - Waf rules are sorted in groups based on their characterization.
- **integrity** - Integrity protection value.
- **name** - The name of this ruleset object.
- **release_date** - The release date of this version in rfc 3339 / iso 8601 format.
- **tenant_ref** - Tenant that this object belongs to.
- **uuid** - Field introduced in 18.1.1.
- **version** - The version of this ruleset object.

» **avi_wafprofile**

This data source is used to to get avi_wafprofile objects.

» **Example Usage**

```
data "avi_wafprofile" "foo_wafprofile" {
  uuid = "wafprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search WafProfile by name.
- **uuid** - (Optional) Search WafProfile by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **config** - Config params for waf.
- **description** - Field introduced in 17.2.1.
- **files** - List of data files used for waf rules.
- **name** - Field introduced in 17.2.1.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Field introduced in 17.2.1.

» avi__wafpolicypsmgroup

This data source is used to to get avi__wafpolicypsmgroup objects.

» Example Usage

```
data "avi_wafpolicypsmgroup" "foo_wafpolicypsmgroup" {
  uuid = "wafpolicypsmgroup-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search WafPolicyPSMGroup by name.
- **uuid** - (Optional) Search WafPolicyPSMGroup by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **description** - Freetext comment about this group.
- **enable** - Enable or disable this waf rule group.
- **hit_action** - If a rule in this group matches the match_value pattern, this action will be executed.
- **is_learning_group** - This field indicates that this group is used for learning.

- **locations** - Positive security model locations.
- **miss_action** - If a rule in this group does not match the **match_value** pattern, this action will be executed.
- **name** - User defined name of the group.
- **tenant_ref** - Tenant that this object belongs to.
- **uuid** - Uuid of this object.

» **avi__snmptrapprofile**

This data source is used to to get **avi__snmptrapprofile** objects.

» **Example Usage**

```
data "avi__snmptrapprofile" "foo_snmptrapprofile" {
  uuid = "snmptrapprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search SnmpTrapProfile by name.
- **uuid** - (Optional) Search SnmpTrapProfile by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **name** - A user-friendly name of the snmp trap configuration.
- **tenant_ref** - It is a reference to an object of type tenant.
- **trap_servers** - The ip address or hostname of the snmp trap destination server.
- **uuid** - Uuid of the snmp trap profile object.

» **avi__systemconfiguration**

This data source is used to to get **avi__systemconfiguration** objects.

» Example Usage

```
data "avi_systemconfiguration" "foo_systemconfiguration" {
  uuid = "systemconfiguration-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search SystemConfiguration by name.
- **uuid** - (Optional) Search SystemConfiguration by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **admin_auth_configuration** - Dict settings for systemconfiguration.
- **default_license_tier** - Specifies the default license tier which would be used by new clouds.
- **dns_configuration** - Dict settings for systemconfiguration.
- **dns_virtualservice_refs** - Dns virtualservices hosting fqdn records for applications across avi vantage.
- **docker_mode** - Boolean flag to set docker_mode.
- **email_configuration** - Dict settings for systemconfiguration.
- **global_tenant_config** - Dict settings for systemconfiguration.
- **linux_configuration** - Dict settings for systemconfiguration.
- **mgmt_ip_access_control** - Configure ip access control for controller to restrict open access.
- **ntp_configuration** - Dict settings for systemconfiguration.
- **portal_configuration** - Dict settings for systemconfiguration.
- **proxy_configuration** - Dict settings for systemconfiguration.
- **secure_channel_configuration** - Configure secure channel properties.
- **snmp_configuration** - Dict settings for systemconfiguration.
- **ssh_ciphers** - Allowed ciphers list for ssh to the management interface on the controller and service engines.
- **ssh_hmacs** - Allowed hmac list for ssh to the management interface on the controller and service engines.
- **uuid** - Unique object identifier of the object.
- **welcome_workflow_complete** - This flag is set once the initial controller setup workflow is complete.

» **avi__controllersite**

This data source is used to to get avi__controllersite objects.

» **Example Usage**

```
data "avi_controllersite" "foo_controllersite" {
  uuid = "controllersite-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search ControllerSite by name.
- **uuid** - (Optional) Search ControllerSite by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **address** - Ip address or a dns resolvable, fully qualified domain name of the site controller cluster.
- **name** - Name for the site controller cluster.
- **port** - The controller site cluster's rest api port number.
- **tenant_ref** - Reference for the tenant.
- **uuid** - Reference for the site controller cluster.

» **avi__networkprofile**

This data source is used to to get avi__networkprofile objects.

» **Example Usage**

```
data "avi_networkprofile" "foo_networkprofile" {
  uuid = "networkprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```


» Argument Reference

- **name** - (Optional) Search NetworkProfile by name.
- **uuid** - (Optional) Search NetworkProfile by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **connection_mirror** - When enabled, avi mirrors all tcp fastpath connections to standby.
- **description** - User defined description for the object.
- **name** - The name of the network profile.
- **profile** - Dict settings for networkprofile.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the network profile.

» avi__errorpagebody

This data source is used to to get avi__errorpagebody objects.

» Example Usage

```
data "avi_errorpagebody" "foo_errorpagebody" {
  uuid = "errorpagebody-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search ErrorPageBody by name.
- **uuid** - (Optional) Search ErrorPageBody by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **error_page_body** - Error page body sent to client when match.
- **format** - Format of an error page body html or json.
- **name** - Field introduced in 17.2.4.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Field introduced in 17.2.4.

» **avi__errorpageprofile**

This data source is used to to get avi__errorpageprofile objects.

» **Example Usage**

```
data "avi_errorpageprofile" "foo_errorpageprofile" {
  uuid = "errorpageprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search ErrorPageProfile by name.
- **uuid** - (Optional) Search ErrorPageProfile by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **error_pages** - Defined error pages for http status codes.
- **name** - Field introduced in 17.2.4.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Field introduced in 17.2.4.

» **avi__controllerproperties**

This data source is used to to get avi__controllerproperties objects.

» **Example Usage**

```
data "avi_controllerproperties" "foo_controllerproperties" {
  uuid = "controllerproperties-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search ControllerProperties by name.
- **uuid** - (Optional) Search ControllerProperties by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **allow_ip_forwarding** - Field introduced in 17.1.1.
- **allow_unauthenticated_apis** - Allow unauthenticated access for special apis.
- **allow_unauthenticated_nodes** - Boolean flag to set allow_unauthenticated_nodes.
- **api_idle_timeout** - Allowed values are 0-1440.
- **api_perf_logging_threshold** - Threshold to log request timing in portal_performance.log and server-timing response header.
- **appviewx_compat_mode** - Export configuration in appviewx compatibility mode.
- **attach_ip_retry_interval** - Placeholder for description of property attach_ip_retry_interval of obj type controllerproperties field type integer type int.
- **attach_ip_retry_limit** - Placeholder for description of property attach_ip_retry_limit of obj type controllerproperties field type integer type int.
- **bm_use_ansible** - Use ansible for se creation in baremetal.
- **cleanup_expired_auth_token_timeout_period** - Period for auth token cleanup job.
- **cleanup_sessions_timeout_period** - Period for sessions cleanup job.
- **cloud_reconcile** - Enable/disable periodic reconcile for all the clouds.
- **cluster_ip_gratuitous_arp_period** - Period for cluster ip gratuitous arp job.
- **consistency_check_timeout_period** - Period for consistency check job.
- **crashed_se_reboot** - Placeholder for description of property crashed_se_reboot of obj type controllerproperties field type integer type int.
- **dead_se_detection_timer** - Placeholder for description of property dead_se_detection_timer of obj type controllerproperties field type integer type int.
- **dns_refresh_period** - Period for refresh pool and gslb dns job.
- **dummy** - Placeholder for description of property dummy of obj type controllerproperties field type integer type int.
- **enable_api_sharding** - This setting enables the controller leader to shard api requests to the followers (if any).
- **enable_memory_balancer** - Enable/disable memory balancer.
- **fatal_error_lease_time** - Placeholder for description of property fatal_error_lease_time of obj type controllerproperties field type integer type int.
- **max_dead_se_in_grp** - Placeholder for description of property max_dead_se_in_grp of obj type controllerproperties field type integer type int.
- **max_pcap_per_tenant** - Maximum number of pcap files stored per tenant.
- **max_seq_attach_ip_failures** - Maximum number of consecutive attach

ip failures that halts vs placement.

- **max_seq_vnic_failures** - Placeholder for description of property max_seq_vnic_failures of obj type controllerproperties field type integer type int.
- **persistence_key_rotate_period** - Period for rotate app persistence keys job.
- **portal_token** - Token used for uploading tech-support to portal.
- **process_locked_useraccounts_timeout_period** - Period for process locked user accounts job.
- **process_pki_profile_timeout_period** - Period for process pki profile job.
- **query_host_fail** - Placeholder for description of property query_host_fail of obj type controllerproperties field type integer type int.
- **safenet_hsm_version** - Version of the safenet package installed on the controller.
- **se_create_timeout** - Placeholder for description of property se_create_timeout of obj type controllerproperties field type integer type int.
- **se_failover_attempt_interval** - Interval between attempting failovers to an se.
- **se_from_marketplace** - This setting decides whether se is to be deployed from the cloud marketplace or to be created by the controller.
- **se_offline_del** - Placeholder for description of property se_offline_del of obj type controllerproperties field type integer type int.
- **se_vnic_cooldown** - Placeholder for description of property se_vnic_cooldown of obj type controllerproperties field type integer type int.
- **secure_channel_cleanup_timeout** - Period for secure channel cleanup job.
- **secure_channel_controller_token_timeout** - Placeholder for description of property secure_channel_controller_token_timeout of obj type controllerproperties field type integer type int.
- **secure_channel_se_token_timeout** - Placeholder for description of property secure_channel_se_token_timeout of obj type controllerproperties field type integer type int.
- **seupgrade_fabric_pool_size** - Pool size used for all fabric commands during se upgrade.
- **seupgrade_segroup_min_dead_timeout** - Time to wait before marking segroup upgrade as stuck.
- **ssl_certificate_expiry_warning_days** - Number of days for ssl certificate expiry warning.
- **unresponsive_se_reboot** - Placeholder for description of property unresponsive_se_reboot of obj type controllerproperties field type integer type int.
- **upgrade_dns_ttl** - Time to account for dns ttl during upgrade.
- **upgrade_lease_time** - Placeholder for description of property upgrade_lease_time of obj type controllerproperties field type integer type int.

- `uuid` - Unique object identifier of the object.
- `vnuc_op_fail_time` - Placeholder for description of property `vnuc_op_fail_time` of obj type `controllerproperties` field type `integer` type `int`.
- `vs_apic_scaleout_timeout` - Time to wait for the scaled out se to become ready before marking the scaleout done, applies to apic configuration only.
- `vs_awaiting_se_timeout` - Placeholder for description of property `vs_awaiting_se_timeout` of obj type `controllerproperties` field type `integer` type `int`.
- `vs_key_rotate_period` - Period for rotate vs keys job.
- `vs_scaleout_ready_check_interval` - Interval for checking scaleout_ready status while controller is waiting for scaleoutready rpc from the service engine.
- `vs_se_attach_ip_fail` - Time to wait before marking attach ip operation on an se as failed.
- `vs_se_bootup_fail` - Placeholder for description of property `vs_se_bootup_fail` of obj type `controllerproperties` field type `integer` type `int`.
- `vs_se_create_fail` - Placeholder for description of property `vs_se_create_fail` of obj type `controllerproperties` field type `integer` type `int`.
- `vs_se_ping_fail` - Placeholder for description of property `vs_se_ping_fail` of obj type `controllerproperties` field type `integer` type `int`.
- `vs_se_vnic_fail` - Placeholder for description of property `vs_se_vnic_fail` of obj type `controllerproperties` field type `integer` type `int`.
- `vs_se_vnic_ip_fail` - Placeholder for description of property `vs_se_vnic_ip_fail` of obj type `controllerproperties` field type `integer` type `int`.
- `warmstart_se_reconnect_wait_time` - Placeholder for description of property `warmstart_se_reconnect_wait_time` of obj type `controllerproperties` field type `integer` type `int`.
- `warmstart_vs_resync_wait_time` - Timeout for warmstart vs resync.

» `avi_healthmonitor`

This data source is used to to get `avi_healthmonitor` objects.

» Example Usage

```
data "avi_healthmonitor" "foo_healthmonitor" {
  uuid = "healthmonitor-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search HealthMonitor by name.
- **uuid** - (Optional) Search HealthMonitor by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **description** - User defined description for the object.
- **dns_monitor** - Dict settings for healthmonitor.
- **external_monitor** - Dict settings for healthmonitor.
- **failed_checks** - Number of continuous failed health checks before the server is marked down.
- **http_monitor** - Dict settings for healthmonitor.
- **https_monitor** - Dict settings for healthmonitor.
- **is_federated** - This field describes the object's replication scope.
- **monitor_port** - Use this port instead of the port defined for the server in the pool.
- **name** - A user friendly name for this health monitor.
- **radius_monitor** - Health monitor for radius.
- **receive_timeout** - A valid response from the server is expected within the receive timeout window.
- **send_interval** - Frequency, in seconds, that monitors are sent to a server.
- **sip_monitor** - Health monitor for sip.
- **successful_checks** - Number of continuous successful health checks before server is marked up.
- **tcp_monitor** - Dict settings for healthmonitor.
- **tenant_ref** - It is a reference to an object of type tenant.
- **type** - Type of the health monitor.
- **udp_monitor** - Dict settings for healthmonitor.
- **uuid** - Uuid of the health monitor.

» avi_analyticsprofile

This data source is used to to get avi_analyticsprofile objects.

» Example Usage

```
data "avi_analyticsprofile" "foo_analyticsprofile" {
  uuid = "analyticsprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search AnalyticsProfile by name.
- **uuid** - (Optional) Search AnalyticsProfile by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **apdex_response_threshold** - If a client receives an http response in less than the satisfactory latency threshold, the request is considered satisfied.
- **apdex_response_tolerated_factor** - Client tolerated response latency factor.
- **apdex_rtt_threshold** - Satisfactory client to avi round trip time(rtt).
- **apdex_rtt_tolerated_factor** - Tolerated client to avi round trip time(rtt) factor.
- **apdex_run_threshold** - If a client is able to load a page in less than the satisfactory latency threshold, the pageload is considered satisfied.
- **apdex_run_tolerated_factor** - Virtual service threshold factor for tolerated page load time (plt) as multiple of apdex_run_threshold.
- **apdex_server_response_threshold** - A server http response is considered satisfied if latency is less than the satisfactory latency threshold.
- **apdex_server_response_tolerated_factor** - Server tolerated response latency factor.
- **apdex_server_rtt_threshold** - Satisfactory client to avi round trip time(rtt).
- **apdex_server_rtt_tolerated_factor** - Tolerated client to avi round trip time(rtt) factor.
- **client_log_config** - Configure which logs are sent to the avi controller from ses and how they are processed.
- **client_log_streaming_config** - Configure to stream logs to an external server.
- **conn_lossy_ooo_threshold** - A connection between client and avi is considered lossy when more than this percentage of out of order packets are received.
- **conn_lossy_timeo_rexmt_threshold** - A connection between client and avi is considered lossy when more than this percentage of packets are retransmitted due to timeout.
- **conn_lossy_total_rexmt_threshold** - A connection between client and avi is considered lossy when more than this percentage of packets are retransmitted.
- **conn_lossy_zero_win_size_event_threshold** - A client connection is considered lossy when percentage of times a packet could not be trasmitted due to tcp zero window is above this threshold.
- **conn_server_lossy_ooo_threshold** - A connection between avi and

server is considered lossy when more than this percentage of out of order packets are received.

- **conn_server_lossy_timeo_rexmt_threshold** - A connection between avi and server is considered lossy when more than this percentage of packets are retransmitted due to timeout.
- **conn_server_lossy_total_rexmt_threshold** - A connection between avi and server is considered lossy when more than this percentage of packets are retransmitted.
- **conn_server_lossy_zero_win_size_event_threshold** - A server connection is considered lossy when percentage of times a packet could not be trasmitted due to tcp zero window is above this threshold.
- **description** - User defined description for the object.
- **disable_ondemand_metrics** - Virtual service (vs) metrics are processed only when there is live data traffic on the vs.
- **disable_se_analytics** - Disable node (service engine) level analytics forvs metrics.
- **disable_server_analytics** - Disable analytics on backend servers.
- **disable_vs_analytics** - Disable virtualservice (frontend) analytics.
- **enable_advanced_analytics** - Enables advanced analytics features like anomaly detection.
- **exclude_client_close_before_request_as_error** - Exclude client closed connection before an http request could be completed from being classified as an error.
- **exclude_dns_policy_drop_as_significant** - Exclude dns policy drops from the list of errors.
- **exclude_gs_down_as_error** - Exclude queries to gslb services that are operationally down from the list of errors.
- **exclude_http_error_codes** - List of http status codes to be excluded from being classified as an error.
- **exclude_invalid_dns_domain_as_error** - Exclude dns queries to domains outside the domains configured in the dns application profile from the list of errors.
- **exclude_invalid_dns_query_as_error** - Exclude invalid dns queries from the list of errors.
- **exclude_no_dns_record_as_error** - Exclude queries to domains that did not have configured services/records from the list of errors.
- **exclude_no_valid_gs_member_as_error** - Exclude queries to gslb services that have no available members from the list of errors.
- **exclude_persistence_change_as_error** - Exclude persistence server changed while load balancing' from the list of errors.
- **exclude_server_dns_error_as_error** - Exclude server dns error response from the list of errors.
- **exclude_server_tcp_reset_as_error** - Exclude server tcp reset from errors.
- **exclude_sip_error_codes** - List of sip status codes to be excluded from being classified as an error.

- `exclude_syn_retransmit_as_error` - Exclude 'server unanswered syns' from the list of errors.
- `exclude_tcp_reset_as_error` - Exclude tcp resets by client from the list of potential errors.
- `exclude_unsupported_dns_query_as_error` - Exclude unsupported dns queries from the list of errors.
- `healthscore_max_server_limit` - Skips health score computation of pool servers when number of servers in a pool is more than this setting.
- `hs_event_throttle_window` - Time window (in secs) within which only unique health change events should occur.
- `hs_max_anomaly_penalty` - Maximum penalty that may be deducted from health score for anomalies.
- `hs_max_resources_penalty` - Maximum penalty that may be deducted from health score for high resource utilization.
- `hs_max_security_penalty` - Maximum penalty that may be deducted from health score based on security assessment.
- `hs_min_dos_rate` - Dos connection rate below which the dos security assessment will not kick in.
- `hs_performance_boost` - Adds free performance score credits to health score.
- `hs_pscore_traffic_threshold_14_client` - Threshold number of connections in 5min, below which apdexr, apdexc, rum_apdex, and other network quality metrics are not computed.
- `hs_pscore_traffic_threshold_14_server` - Threshold number of connections in 5min, below which apdexr, apdexc, rum_apdex, and other network quality metrics are not computed.
- `hs_security_certscore_expired` - Score assigned when the certificate has expired.
- `hs_security_certscore_gt30d` - Score assigned when the certificate expires in more than 30 days.
- `hs_security_certscore_1e07d` - Score assigned when the certificate expires in less than or equal to 7 days.
- `hs_security_certscore_1e30d` - Score assigned when the certificate expires in less than or equal to 30 days.
- `hs_security_chain_invalid_penalty` - Penalty for allowing certificates with invalid chain.
- `hs_security_cipherscore_eq000b` - Score assigned when the minimum cipher strength is 0 bits.
- `hs_security_cipherscore_ge128b` - Score assigned when the minimum cipher strength is greater than equal to 128 bits.
- `hs_security_cipherscore_lt128b` - Score assigned when the minimum cipher strength is less than 128 bits.
- `hs_security_encalgo_score_none` - Score assigned when no algorithm is used for encryption.
- `hs_security_encalgo_score_rc4` - Score assigned when rc4 algorithm is used for encryption.

- `hs_security_hsts_penalty` - Penalty for not enabling hsts.
- `hs_security_nonpfs_penalty` - Penalty for allowing non-pfs handshakes.
- `hs_security_selfsignedcert_penalty` - Deprecated.
- `hs_security_ssl30_score` - Score assigned when supporting ssl3.0 encryption protocol.
- `hs_security_tls10_score` - Score assigned when supporting tls1.0 encryption protocol.
- `hs_security_tls11_score` - Score assigned when supporting tls1.1 encryption protocol.
- `hs_security_tls12_score` - Score assigned when supporting tls1.2 encryption protocol.
- `hs_security_weak_signature_algo_penalty` - Penalty for allowing weak signature algorithm(s).
- `name` - The name of the analytics profile.
- `ondemand_metrics_idle_timeout` - This flag sets the time duration of no live data traffic after which virtual service metrics processing is suspended.
- `ranges` - List of http status code ranges to be excluded from being classified as an error.
- `resp_code_block` - Block of http response codes to be excluded from being classified as an error.
- `sensitive_log_profile` - Rules applied to the http application log for filtering sensitive information.
- `sip_log_depth` - Maximum number of sip messages added in logs for a sip transaction.
- `tenant_ref` - It is a reference to an object of type tenant.
- `uuid` - Uuid of the analytics profile.

» `avi_cloud`

This data source is used to to get `avi_cloud` objects.

» Example Usage

```
data "avi_cloud" "foo_cloud" {
  uuid = "cloud-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- `name` - (Optional) Search Cloud by name.
- `uuid` - (Optional) Search Cloud by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `apic_configuration` - Dict settings for cloud.
- `apic_mode` - Boolean flag to set `apic_mode`.
- `autoscale_polling_interval` - Cloudconnector polling interval in seconds for external autoscale groups, minimum 60 seconds.
- `aws_configuration` - Dict settings for cloud.
- `azure_configuration` - Field introduced in 17.2.1.
- `cloudstack_configuration` - Dict settings for cloud.
- `custom_tags` - Custom tags for all avi created resources in the cloud infrastructure.
- `dhcp_enabled` - Select the ip address management scheme.
- `dns_provider_ref` - Dns profile for the cloud.
- `docker_configuration` - Dict settings for cloud.
- `east_west_dns_provider_ref` - Dns profile for east-west services.
- `east_west_ipam_provider_ref` - Ipam profile for east-west services.
- `enable_vip_static_routes` - Use static routes for vip side network resolution during virtualservice placement.
- `gcp_configuration` - Google cloud platform configuration.
- `ip6_autocfg_enabled` - Enable ipv6 auto configuration.
- `ipam_provider_ref` - Ipam profile for the cloud.
- `license_tier` - Specifies the default license tier which would be used by new se groups.
- `license_type` - If no license type is specified then default license enforcement for the cloud type is chosen.
- `linuxserver_configuration` - Dict settings for cloud.
- `mtu` - Mtu setting for the cloud.
- `name` - Name of the object.
- `nsx_configuration` - Configuration parameters for nsx manager.
- `obj_name_prefix` - Default prefix for all automatically created objects in this cloud.
- `openstack_configuration` - Dict settings for cloud.
- `oshiftk8s_configuration` - Dict settings for cloud.
- `prefer_static_routes` - Prefer static routes over interface routes during virtualservice placement.
- `proxy_configuration` - Dict settings for cloud.
- `rancher_configuration` - Dict settings for cloud.
- `se_group_template_ref` - The service engine group to use as template.
- `state_based_dns_registration` - Dns records for vips are added/deleted based on the operational state of the vips.
- `tenant_ref` - It is a reference to an object of type tenant.
- `uuid` - Unique object identifier of the object.
- `vca_configuration` - Dict settings for cloud.
- `vcenter_configuration` - Dict settings for cloud.

- `vtype` - Cloud type.

» **avi__cloudconnectoruser**

This data source is used to to get `avi__cloudconnectoruser` objects.

» **Example Usage**

```
data "avi__cloudconnectoruser" "foo_cloudconnectoruser" {
  uuid = "cloudconnectoruser-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- `name` - (Optional) Search CloudConnectorUser by name.
- `uuid` - (Optional) Search CloudConnectorUser by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- `azure_serviceprincipal` - Field introduced in 17.2.1.
- `azure_userpass` - Field introduced in 17.2.1.
- `gcp_credentials` - Credentials for google cloud platform.
- `name` - Name of the object.
- `oci_credentials` - Credentials for oracle cloud infrastructure.
- `password` - Placeholder for description of property password of obj type cloudconnectoruser field type string type str.
- `private_key` - Placeholder for description of property private_key of obj type cloudconnectoruser field type string type str.
- `public_key` - Placeholder for description of property public_key of obj type cloudconnectoruser field type string type str.
- `tenant_ref` - It is a reference to an object of type tenant.
- `tencent_credentials` - Credentials for tencent cloud.
- `uuid` - Unique object identifier of the object.

» **avi__virtualservice**

This data source is used to to get `avi__virtualservice` objects.

» Example Usage

```
data "avi_virtualservice" "foo_virtualservice" {
  uuid = "virtualservice-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
  cloud_ref = "/api/cloud/?tenant=admin&name=Default-Cloud"
}
```

» Argument Reference

- **name** - (Optional) Search VirtualService by name.
- **uuid** - (Optional) Search VirtualService by uuid.
- **cloud_ref** - (Optional) Search VirtualService by cloud_ref.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **active_standby_se_tag** - This configuration only applies if the virtualservice is in legacy active standby ha mode and load distribution among active standby is enabled.
- **allow_invalid_client_cert** - Process request even if invalid client certificate is presented.
- **analytics_policy** - Determines analytics settings for the application.
- **analytics_profile_ref** - Specifies settings related to analytics.
- **apic_contract_graph** - The name of the contract/graph associated with the virtual service.
- **application_profile_ref** - Enable application layer specific features for the virtual service.
- **bulk_sync_kvcache** - (this is a beta feature).
- **client_auth** - Http authentication configuration for protected resources.
- **close_client_conn_on_config_update** - Close client connection on vs config update.
- **cloud_config_cksum** - Checksum of cloud configuration for vs.
- **cloud_ref** - It is a reference to an object of type cloud.
- **cloud_type** - Enum options - cloud_none, cloud_vcenter, cloud_openstack, cloud_aws, cloud_vca, cloud_apic, cloud_mesos, cloud_linuxserver, cloud_docker_ucp, cloud_rancher, cloud_oshift_k8s, cloud_azure, cloud_gcp.
- **connections_rate_limit** - Rate limit the incoming connections to this virtual service.
- **content_rewrite** - Profile used to match and rewrite strings in request and/or response body.
- **created_by** - Creator name.

- **delay_fairness** - Select the algorithm for qos fairness.
- **description** - User defined description for the object.
- **dns_info** - Service discovery specific data including fully qualified domain name, type and time-to-live of the dns record.
- **dns_policies** - Dns policies applied on the dns traffic of the virtual service.
- **east_west_placement** - Force placement on all se's in service group (mesos mode only).
- **enable_autogw** - Response traffic to clients will be sent back to the source mac address of the connection, rather than statically sent to a default gateway.
- **enable_rhi** - Enable route health injection using the bgp config in the vrf context.
- **enable_rhi_snat** - Enable route health injection for source nat'ted floating ip address using the bgp config in the vrf context.
- **enabled** - Enable or disable the virtual service.
- **error_page_profile_ref** - Error page profile to be used for this virtualservice. this profile is used to send the custom error page to the client generated by the proxy.
- **flow_dist** - Criteria for flow distribution among ses.
- **flow_label_type** - Criteria for flow labelling.
- **fqdn** - Dns resolvable, fully qualified domain name of the virtualservice.
- **host_name_xlate** - Translate the host name sent to the servers to this value.
- **http_policies** - Http policies applied on the data traffic of the virtual service.
- **ign_pool_net_reach** - Ignore pool servers network reachability constraints for virtual service placement.
- **l4_policies** - L4 policies applied to the data traffic of the virtual service.
- **limit_doser** - Limit potential dos attackers who exceed max_cps_per_client significantly to a fraction of max_cps_per_client for a while.
- **max_cps_per_client** - Maximum connections per second per client ip.
- **microservice_ref** - Microservice representing the virtual service.
- **min_pools_up** - Minimum number of up pools to mark vs up.
- **name** - Name for the virtual service.
- **network_profile_ref** - Determines network settings such as protocol, tcp or udp, and related options for the protocol.
- **network_security_policy_ref** - Network security policies for the virtual service.
- **nsx_securitygroup** - A list of nsx service groups representing the clients which can access the virtual ip of the virtual service.
- **performance_limits** - Optional settings that determine performance limits like max connections or bandwidth etc.
- **pool_group_ref** - The pool group is an object that contains pools.
- **pool_ref** - The pool is an object that contains destination servers and related attributes such as load-balancing and persistence.

- **remove_listening_port_on_vs_down** - Remove listening port if virtualservice is down.
- **requests_rate_limit** - Rate limit the incoming requests to this virtual service.
- **saml_sp_config** - Application-specific saml config.
- **scaleout_ecmp** - Disable re-distribution of flows across service engines for a virtual service.
- **se_group_ref** - The service engine group to use for this virtual service.
- **security_policy_ref** - Security policy applied on the traffic of the virtual service.
- **server_network_profile_ref** - Determines the network settings profile for the server side of tcp proxied connections.
- **service_metadata** - Metadata pertaining to the service provided by this virtual service.
- **service_pool_select** - Select pool based on destination port.
- **services** - List of services defined for this virtual service.
- **sideband_profile** - Sideband configuration to be used for this virtualservice.it can be used for sending traffic to sideband vips for external inspection etc.
- **snat_ip** - Nat'ted floating source ip address(es) for upstream connection to servers.
- **ssl_key_and_certificate_refs** - Select or create one or two certificates, ec and/or rsa, that will be presented to ssl/tls terminated connections.
- **ssl_profile_ref** - Determines the set of ssl versions and ciphers to accept for ssl/tls terminated connections.
- **ssl_profile_selectors** - Select ssl profile based on client ip address match.
- **ssl_sess_cache_avg_size** - Expected number of ssl session cache entries (may be exceeded).
- **sso_policy_ref** - The sso policy attached to the virtualservice.
- **static_dns_records** - List of static dns records applied to this virtual service.
- **tenant_ref** - It is a reference to an object of type tenant.
- **topology_policies** - Topology policies applied on the dns traffic of the virtual service based onslb topology algorithm.
- **traffic_clone_profile_ref** - Server network or list of servers for cloning traffic.
- **traffic_enabled** - Knob to enable the virtual service traffic on its assigned service engines.
- **type** - Specify if this is a normal virtual service, or if it is the parent or child of an sni-enabled virtual hosted virtual service.
- **use_bridge_ip_as_vip** - Use bridge ip as vip on each host in mesos deployments.
- **use_vip_as_snat** - Use the virtual ip as the snat ip for health monitoring and sending traffic to the backend servers instead of the service engine interface ip.

- `uuid` - Uuid of the virtualservice.
- `vh_domain_name` - The exact name requested from the client's sni-enabled tls hello domain name field.
- `vh_parent_vs_uuid` - Specifies the virtual service acting as virtual hosting (sni) parent.
- `vip` - List of virtual service ips.
- `vrf_context_ref` - Virtual routing context that the virtual service is bound to.
- `vs_datascripts` - Datascripts applied on the data traffic of the virtual service.
- `vsvip_cloud_config_cksum` - Checksum of cloud configuration for vsvip.
- `vsvip_ref` - Mostly used during the creation of shared vs, this field refers to entities that can be shared across virtual services.
- `waf_policy_ref` - Waf policy for the virtual service.
- `weight` - The quality of service weight to assign to traffic transmitted from this virtual service.

» `avi_vsvip`

This data source is used to to get `avi_vsvip` objects.

» Example Usage

```
data "avi_vsvip" "foo_vsvip" {
  uuid = "vsvip-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
  cloud_ref = "/api/cloud/?tenant=admin&name=Default-Cloud"
}
```

» Argument Reference

- `name` - (Optional) Search VsVip by name.
- `uuid` - (Optional) Search VsVip by uuid.
- `cloud_ref` - (Optional) Search VsVip by `cloud_ref`.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `cloud_ref` - It is a reference to an object of type cloud.
- `dns_info` - Service discovery specific data including fully qualified domain name, type and time-to-live of the dns record.

- **east_west_placement** - Force placement on all service engines in the service engine group (container clouds only).
- **name** - Name for the vsvip object.
- **tenant_ref** - It is a reference to an object of type tenant.
- **use_standard_alb** - This overrides the cloud level default and needs to match the se group value in which it will be used if the se group use_standard_alb value is set.
- **uuid** - Uuid of the vsvip object.
- **vip** - List of virtual service ips and other shareable entities.
- **vrf_context_ref** - Virtual routing context that the virtual service is bound to.
- **vsvip_cloud_config_cksum** - Checksum of cloud configuration for vsvip.

» **avi__alertsyslogconfig**

This data source is used to to get avi__alertsyslogconfig objects.

» **Example Usage**

```
data "avi__alertsyslogconfig" "foo__alertsyslogconfig" {
  uuid = "alertsyslogconfig-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search AlertSyslogConfig by name.
- **uuid** - (Optional) Search AlertSyslogConfig by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **description** - User defined description for alert syslog config.
- **name** - A user-friendly name of the syslog notification.
- **syslog_servers** - The list of syslog servers.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Unique object identifier of the object.

» **avi__alertscriptconfig**

This data source is used to to get avi__alertscriptconfig objects.

» **Example Usage**

```
data "avi_alertscriptconfig" "foo_alertscriptconfig" {
  uuid = "alertscriptconfig-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search AlertScriptConfig by name.
- **uuid** - (Optional) Search AlertScriptConfig by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **action_script** - User defined alert action script.
- **name** - A user-friendly name of the script.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Unique object identifier of the object.

» **avi__alertconfig**

This data source is used to to get avi__alertconfig objects.

» **Example Usage**

```
data "avi_alertconfig" "foo_alertconfig" {
  uuid = "alertconfig-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search AlertConfig by name.
- **uuid** - (Optional) Search AlertConfig by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **action_group_ref** - The alert config will trigger the selected alert action, which can send notifications and execute a controlsript.
- **alert_rule** - List of filters matching on events or client logs used for triggering alerts.
- **autoscale_alert** - This alert config applies to auto scale alerts.
- **category** - Determines whether an alert is raised immediately when event occurs (realtime) or after specified number of events occurs within rolling time window.
- **description** - A custom description field.
- **enabled** - Enable or disable this alert config from generating new alerts.
- **expiry_time** - An alert is expired and deleted after the expiry time has elapsed.
- **name** - Name of the alert configuration.
- **obj_uuid** - Uuid of the resource for which alert was raised.
- **object_type** - The object type to which the alert config is associated with.
- **recommendation** - Placeholder for description of property recommendation of obj type alertconfig field type string type str.
- **rolling_window** - Only if the number of events is reached or exceeded within the time window will an alert be generated.
- **source** - Signifies system events or the type of client logs used in this alert configuration.
- **summary** - Summary of reason why alert is generated.
- **tenant_ref** - It is a reference to an object of type tenant.
- **threshold** - An alert is created only when the number of events meets or exceeds this number within the chosen time frame.
- **throttle** - Alerts are suppressed (throttled) for this duration of time since the last alert was raised for this alert config.
- **uuid** - Unique object identifier of the object.

» avi_actiongroupconfig

This data source is used to to get avi_actiongroupconfig objects.

» Example Usage

```
data "avi_actiongroupconfig" "foo_actiongroupconfig" {
  uuid = "actiongroupconfig-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search ActionGroupConfig by name.
- **uuid** - (Optional) Search ActionGroupConfig by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **action_script_config_ref** - Reference of the action script configuration to be used.
- **autoscale_trigger_notification** - Trigger notification to autoscale manager.
- **description** - User defined description for the object.
- **email_config_ref** - Select the email notification configuration to use when sending alerts via email.
- **external_only** - Generate alert only to external destinations.
- **level** - When an alert is generated, mark its priority via the alert level.
- **name** - Name of the object.
- **snmp_trap_profile_ref** - Select the snmp trap notification to use when sending alerts via snmp trap.
- **syslog_config_ref** - Select the syslog notification configuration to use when sending alerts via syslog.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Unique object identifier of the object.

» avi__alertemailconfig

This data source is used to to get avi__alertemailconfig objects.

» Example Usage

```
data "avi_alertemailconfig" "foo_alertemailconfig" {
  uuid = "alertemailconfig-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search AlertEmailConfig by name.
- **uuid** - (Optional) Search AlertEmailConfig by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **cc_emails** - Alerts are copied to the comma separated list of email recipients.
- **description** - User defined description for the object.
- **name** - A user-friendly name of the email notification service.
- **tenant_ref** - It is a reference to an object of type tenant.
- **to_emails** - Alerts are sent to the comma separated list of email recipients.
- **uuid** - Unique object identifier of the object.

» avi_vsdatascriptset

This data source is used to to get avi_vsdatascriptset objects.

» Example Usage

```
data "avi_vsdatascriptset" "foo_vsdatascriptset" {
  uuid = "vsdatascriptset-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search VSDataScriptSet by name.
- **uuid** - (Optional) Search VSDataScriptSet by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **created_by** - Creator name.
- **datascript** - Datascripts to execute.
- **description** - User defined description for the object.
- **ipgroup_refs** - Uuid of ip groups that could be referred by vsdatascriptset objects.
- **name** - Name for the virtual service datascript collection.
- **pool_group_refs** - Uuid of pool groups that could be referred by vsdatascriptset objects.
- **pool_refs** - Uuid of pools that could be referred by vsdatascriptset objects.

- **protocol_parser_refs** - List of protocol parsers that could be referred by vsdatascriptset objects.
- **string_group_refs** - Uuid of string groups that could be referred by vsdatascriptset objects.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the virtual service datascript collection.

» **avi_customipamdnsprofile**

This data source is used to to get avi_customipamdnsprofile objects.

» **Example Usage**

```
data "avi_customipamdnsprofile" "foo_customipamdnsprofile" {
  uuid = "customipamdnsprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» **Argument Reference**

- **name** - (Optional) Search CustomIpamDnsProfile by name.
- **uuid** - (Optional) Search CustomIpamDnsProfile by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **name** - Name of the custom ipam dns profile.
- **script_params** - Parameters that are always passed to the ipam/dns script.
- **script_uri** - Script uri of form controller //ipamdnsscripts/.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Field introduced in 17.1.1.

» **avi_ipamdnsproviderprofile**

This data source is used to to get avi_ipamdnsproviderprofile objects.

» Example Usage

```
data "avi_ipamdnsproviderprofile" "foo_ipamdnsproviderprofile" {
  uuid = "ipamdnsproviderprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- `name` - (Optional) Search IpamDnsProviderProfile by name.
- `uuid` - (Optional) Search IpamDnsProviderProfile by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `allocate_ip_in_vrf` - If this flag is set, only allocate ip from networks in the virtual service vrf.
- `aws_profile` - Provider details if type is aws.
- `azure_profile` - Provider details if type is microsoft azure.
- `custom_profile` - Provider details if type is custom.
- `gcp_profile` - Provider details if type is google cloud.
- `infoblox_profile` - Provider details if type is infoblox.
- `internal_profile` - Provider details if type is avi.
- `name` - Name for the ipam/dns provider profile.
- `oci_profile` - Provider details for oracle cloud.
- `openstack_profile` - Provider details if type is openstack.
- `proxy_configuration` - Field introduced in 17.1.1.
- `tenant_ref` - It is a reference to an object of type tenant.
- `tencent_profile` - Provider details for tencent cloud.
- `type` - Provider type for the ipam/dns provider profile.
- `uuid` - Uuid of the ipam/dns provider profile.

» avi_poolgroup

This data source is used to to get avi_poolgroup objects.

» Example Usage

```
data "avi_poolgroup" "foo_poolgroup" {
  uuid = "poolgroup-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

```

    cloud_ref = "/api/cloud/?tenant=admin&name=Default-Cloud"
}

```

» Argument Reference

- `name` - (Optional) Search PoolGroup by name.
- `uuid` - (Optional) Search PoolGroup by uuid.
- `cloud_ref` - (Optional) Search PoolGroup by `cloud_ref`.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `cloud_config_cksum` - Checksum of cloud configuration for poolgroup.
- `cloud_ref` - It is a reference to an object of type cloud.
- `created_by` - Name of the user who created the object.
- `deployment_policy_ref` - When setup autoscale manager will automatically promote new pools into production when deployment goals are met.
- `description` - Description of pool group.
- `fail_action` - Enable an action - close connection, http redirect, or local http response - when a pool group failure happens.
- `implicit_priority_labels` - Whether an implicit set of priority labels is generated.
- `members` - List of pool group members object of type poolgroupmember.
- `min_servers` - The minimum number of servers to distribute traffic to.
- `name` - The name of the pool group.
- `priority_labels_ref` - Uuid of the priority labels.
- `service_metadata` - Metadata pertaining to the service provided by this poolgroup.
- `tenant_ref` - It is a reference to an object of type tenant.
- `uuid` - Uuid of the pool group.

» avi_prioritylabels

This data source is used to to get avi_prioritylabels objects.

» Example Usage

```

data "avi_prioritylabels" "foo_prioritylabels" {
  uuid = "prioritylabels-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
  cloud_ref = "/api/cloud/?tenant=admin&name=Default-Cloud"
}

```



```
}
```

» Argument Reference

- **name** - (Optional) Search PriorityLabels by name.
- **uuid** - (Optional) Search PriorityLabels by uuid.
- **cloud_ref** - (Optional) Search PriorityLabels by cloud_ref.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **cloud_ref** - It is a reference to an object of type cloud.
- **description** - A description of the priority labels.
- **equivalent_labels** - Equivalent priority labels in descending order.
- **name** - The name of the priority labels.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the priority labels.

» avi__poolgroupdeploymentpolicy

This data source is used to to get avi__poolgroupdeploymentpolicy objects.

» Example Usage

```
data "avi_poolgroupdeploymentpolicy" "foo_poolgroupdeploymentpolicy" {  
    uuid = "poolgroupdeploymentpolicy-f9cf6b3e-a411-436f-95e2-2982ba2b217b"  
    name = "foo"  
}
```

» Argument Reference

- **name** - (Optional) Search PoolGroupDeploymentPolicy by name.
- **uuid** - (Optional) Search PoolGroupDeploymentPolicy by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **auto_disable_old_prod_pools** - It will automatically disable old production pools once there is a new production candidate.

- **description** - User defined description for the object.
- **evaluation_duration** - Duration of evaluation period for automatic deployment.
- **name** - The name of the pool group deployment policy.
- **rules** - List of list.
- **scheme** - Deployment scheme.
- **target_test_traffic_ratio** - Target traffic ratio before pool is made production.
- **tenant_ref** - It is a reference to an object of type tenant.
- **test_traffic_ratio_rampup** - Ratio of the traffic that is sent to the pool under test.
- **uuid** - Uuid of the pool group deployment policy.
- **webhook_ref** - Webhook configured with url that avi controller will pass back information about pool group, old and new pool information and current deployment rule results.

» **avi_pool**

This data source is used to to get avi_pool objects.

» **Example Usage**

```
data "Pool" "foo_Pool" {
  uuid = "Pool-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
  cloud_ref = "/api/cloud/?tenant=admin&name=Default-Cloud"
}
```

» **Argument Reference**

- **name** - (Optional) Search Pool by name.
- **uuid** - (Optional) Search Pool by uuid.
- **cloud_ref** - (Optional) Search Pool by cloud_ref.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **apic_epg_name** - Synchronize cisco apic epg members with pool servers.
- **application_persistence_profile_ref** - Persistence will ensure the same user sticks to the same server for a desired duration of time.

- `autoscale_launch_config_ref` - If configured then avi will trigger orchestration of pool server creation and deletion.
- `autoscale_networks` - Network ids for the launch configuration.
- `autoscale_policy_ref` - Reference to server autoscale policy.
- `capacity_estimation` - Inline estimation of capacity of servers.
- `capacity_estimation_ttfb_thresh` - The maximum time-to-first-byte of a server.
- `cloud_config_cksum` - Checksum of cloud configuration for pool.
- `cloud_ref` - It is a reference to an object of type cloud.
- `connection_ramp_duration` - Duration for which new connections will be gradually ramped up to a server recently brought online.
- `created_by` - Creator name.
- `default_server_port` - Traffic sent to servers will use this destination server port unless overridden by the server's specific port attribute.
- `description` - A description of the pool.
- `domain_name` - Comma separated list of domain names which will be used to verify the common names or subject alternative names presented by server certificates.
- `east_west` - Inherited config from virtualservice.
- `enabled` - Enable or disable the pool.
- `external_autoscale_groups` - Names of external auto-scale groups for pool servers.
- `fail_action` - Enable an action - close connection, http redirect or local http response - when a pool failure happens.
- `fewest_tasks_feedback_delay` - Periodicity of feedback for fewest tasks server selection algorithm.
- `graceful_disable_timeout` - Used to gracefully disable a server.
- `health_monitor_refs` - Verify server health by applying one or more health monitors.
- `host_check_enabled` - Enable common name check for server certificate.
- `inline_health_monitor` - The passive monitor will monitor client to server connections and requests and adjust traffic load to servers based on successful responses.
- `ipaddrgroup_ref` - Use list of servers from ip address group.
- `lb_algorithm` - The load balancing algorithm will pick a server within the pool's list of available servers.
- `lb_algorithm_consistent_hash_hdr` - Http header name to be used for the hash key.
- `lb_algorithm_core_nonaffinity` - Degree of non-affinity for core affinity based server selection.
- `lb_algorithm_hash` - Criteria used as a key for determining the hash between the client and server.
- `lookup_server_by_name` - Allow server lookup by name.
- `max_concurrent_connections_per_server` - The maximum number of concurrent connections allowed to each server within the pool.
- `max_conn_rate_per_server` - Rate limit connections to each server.

- **name** - The name of the pool.
- **networks** - (internal-use) networks designated as containing servers for this pool.
- **nsx_securitygroup** - A list of nsx service groups where the servers for the pool are created.
- **pki_profile_ref** - Avi will validate the ssl certificate present by a server against the selected pki profile.
- **placement_networks** - Manually select the networks and subnets used to provide reachability to the pool's servers.
- **request_queue_depth** - Minimum number of requests to be queued when pool is full.
- **request_queue_enabled** - Enable request queue when pool is full.
- **rewrite_host_header_to_server_name** - Rewrite incoming host header to server name of the server to which the request is proxied.
- **rewrite_host_header_to_sni** - If sni server name is specified, rewrite incoming host header to the sni server name.
- **server_count** - General description.
- **server_name** - Fully qualified dns hostname which will be used in the tls sni extension in server connections if sni is enabled.
- **server_reselect** - Server reselect configuration for http requests.
- **servers** - The pool directs load balanced traffic to this list of destination servers.
- **sni_enabled** - Enable tls sni for server connections.
- **ssl_key_and_certificate_ref** - Service engines will present a client ssl certificate to the server.
- **ssl_profile_ref** - When enabled, avi re-encrypts traffic to the backend servers.
- **tenant_ref** - It is a reference to an object of type tenant.
- **use_service_port** - Do not translate the client's destination port when sending the connection to the server.
- **uuid** - Uuid of the pool.
- **vrf_ref** - Virtual routing context that the pool is bound to.

» **avi_network**

This data source is used to to get avi_network objects.

» **Example Usage**

```
data "avi_network" "foo_network" {
  uuid = "network-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
  cloud_ref = "/api/cloud/?tenant=admin&name=Default-Cloud"
```

```
}
```

» Argument Reference

- **name** - (Optional) Search Network by name.
- **uuid** - (Optional) Search Network by uuid.
- **cloud_ref** - (Optional) Search Network by cloud_ref.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **cloud_ref** - It is a reference to an object of type cloud.
- **configured_subnets** - List of list.
- **dhcp_enabled** - Select the ip address management scheme for this network.
- **exclude_discovered_subnets** - When selected, excludes all discovered subnets in this network from consideration for virtual service placement.
- **ip6_autocfg_enabled** - Enable ipv6 auto configuration.
- **name** - Name of the object.
- **synced_from_se** - Boolean flag to set synced_from_se.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Unique object identifier of the object.
- **vcenter_dvs** - Boolean flag to set vcenter_dvs.
- **vrf_context_ref** - It is a reference to an object of type vrfcontext.

» avi_serverautoscalepolicy

This data source is used to to get avi_serverautoscalepolicy objects.

» Example Usage

```
data "avi_serverautoscalepolicy" "foo_serverautoscalepolicy" {  
    uuid = "serverautoscalepolicy-f9cf6b3e-a411-436f-95e2-2982ba2b217b"  
    name = "foo"  
}
```

» Argument Reference

- **name** - (Optional) Search ServerAutoScalePolicy by name.
- **uuid** - (Optional) Search ServerAutoScalePolicy by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **description** - User defined description for the object.
- **intelligent_autoscale** - Use avi intelligent autoscale algorithm where autoscale is performed by comparing load on the pool against estimated capacity of all the servers.
- **intelligent_scalein_margin** - Maximum extra capacity as percentage of load used by the intelligent scheme.
- **intelligent_scaleout_margin** - Minimum extra capacity as percentage of load used by the intelligent scheme.
- **max_scalein_adjustment_step** - Maximum number of servers to scalein simultaneously.
- **max_scaleout_adjustment_step** - Maximum number of servers to scaleout simultaneously.
- **max_size** - Maximum number of servers after scaleout.
- **min_size** - No scale-in happens once number of operationally up servers reach min_servers.
- **name** - Name of the object.
- **scalein_alertconfig_refs** - Trigger scalein when alerts due to any of these alert configurations are raised.
- **scalein_cooldown** - Cooldown period during which no new scalein is triggered to allow previous scalein to successfully complete.
- **scaleout_alertconfig_refs** - Trigger scaleout when alerts due to any of these alert configurations are raised.
- **scaleout_cooldown** - Cooldown period during which no new scaleout is triggered to allow previous scaleout to successfully complete.
- **tenant_ref** - It is a reference to an object of type tenant.
- **use_predicted_load** - Use predicted load rather than current load.
- **uuid** - Unique object identifier of the object.

» avi_autoscalelaunchconfig

This data source is used to to get avi_autoscalelaunchconfig objects.

» Example Usage

```
data "avi_autoscalelaunchconfig" "foo_autoscalelaunchconfig" {
  uuid = "autoscalelaunchconfig-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- **name** - (Optional) Search AutoScaleLaunchConfig by name.
- **uuid** - (Optional) Search AutoScaleLaunchConfig by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **description** - User defined description for the object.
- **image_id** - Unique id of the amazon machine image (ami) or openstack vm id.
- **mesos** - Dict settings for autoscalelaunchconfig.
- **name** - Name of the object.
- **openstack** - Dict settings for autoscalelaunchconfig.
- **tenant_ref** - It is a reference to an object of type tenant.
- **use_external_asg** - If set to true, serverautoscalepolicy will use the autoscaling group (external_autoscaling_groups) from pool to perform scale up and scale down.
- **uuid** - Unique object identifier of the object.

» avi_applicationprofile

This data source is used to to get avi_applicationprofile objects.

» Example Usage

```
data "avi_applicationprofile" "foo_applicationprofile" {  
    uuid = "applicationprofile-f9cf6b3e-a411-436f-95e2-2982ba2b217b"  
    name = "foo"  
}
```

» Argument Reference

- **name** - (Optional) Search ApplicationProfile by name.
- **uuid** - (Optional) Search ApplicationProfile by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **cloud_config_cksum** - Checksum of application profiles.

- `created_by` - Name of the application profile creator.
- `description` - User defined description for the object.
- `dns_service_profile` - Specifies various dns service related controls for virtual service.
- `dos_rl_profile` - Specifies various security related controls for virtual service.
- `http_profile` - Specifies the http application proxy profile parameters.
- `name` - The name of the application profile.
- `preserve_client_ip` - Specifies if client ip needs to be preserved for back-end connection.
- `preserve_client_port` - Specifies if we need to preserve client port while preserving client ip for backend connections.
- `sip_service_profile` - Specifies various sip service related controls for virtual service.
- `tcp_app_profile` - Specifies the tcp application proxy profile parameters.
- `tenant_ref` - It is a reference to an object of type tenant.
- `type` - Specifies which application layer proxy is enabled for the virtual service.
- `uuid` - Uuid of the application profile.

» `avi__httppolicyset`

This data source is used to to get `avi__httppolicyset` objects.

» Example Usage

```
data "avi__httppolicyset" "foo_httppolicyset" {
  uuid = "httppolicyset-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
}
```

» Argument Reference

- `name` - (Optional) Search HTTPPolicySet by name.
- `uuid` - (Optional) Search HTTPPolicySet by uuid.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `cloud_config_cksum` - Checksum of cloud configuration for pool.
- `created_by` - Creator name.

- **description** - User defined description for the object.
- **http_request_policy** - Http request policy for the virtual service.
- **http_response_policy** - Http response policy for the virtual service.
- **http_security_policy** - Http security policy for the virtual service.
- **is_internal_policy** - Boolean flag to set **is_internal_policy**.
- **name** - Name of the http policy set.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Uuid of the http policy set.

» **avi_serviceengine**

This data source is used to to get **avi_serviceengine** objects.

» **Example Usage**

```
data "avi_serviceengine" "foo_serviceengine" {
  uuid = "serviceengine-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  name = "foo"
  cloud_ref = "/api/cloud/?tenant=admin&name=Default-Cloud"
}
```

» **Argument Reference**

- **name** - (Optional) Search ServiceEngine by name.
- **uuid** - (Optional) Search ServiceEngine by uuid.
- **cloud_ref** - (Optional) Search ServiceEngine by cloud_ref.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **availability_zone** - Placeholder for description of property **availability_zone** of obj type **serviceengine** field type **string** type **str**.
- **cloud_ref** - It is a reference to an object of type **cloud**.
- **container_mode** - Boolean flag to set **container_mode**.
- **container_type** - Enum options - **container_type_bridge**, **container_type_host**, **container_type_host_dpdk**.
- **controller_created** - Boolean flag to set **controller_created**.
- **controller_ip** - Placeholder for description of property **controller_ip** of obj type **serviceengine** field type **string** type **str**.
- **data_vnics** - List of list.
- **enable_state** - Inorder to disable se set this field appropriately.

- **flavor** - Placeholder for description of property flavor of obj type serviceengine field type string type str.
- **host_ref** - It is a reference to an object of type vimgrhostruntime.
- **hypervisor** - Enum options - default, vmware__esx, kvm, vmware__vsan, xen.
- **mgmt_vnic** - Dict settings for serviceengine.
- **name** - Name of the object.
- **resources** - Dict settings for serviceengine.
- **se_group_ref** - It is a reference to an object of type serviceenginegroup.
- **tenant_ref** - It is a reference to an object of type tenant.
- **uuid** - Unique object identifier of the object.

» **avi__fileservice**

This data source is used to to get fileservice objects.

» **Example Usage**

```
data "avi_fileservice" "foo_Fileservice" {
  uuid = "filename"
}
```

» **Argument Reference**

- **uuid** - (Optional) Search fileservice object by uuid.

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the fileservice.

» **avi__server**

This data source is used to to get avi_server objects.

» Example Usage

```
data "avi_server" "foo_Server" {
  uuid = "server-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  pool_ref = "/api/pool/pool-f9cf6b3e-a411-436f-95e2-2982ba2b217b"
  ip='10.0.0.3'
}
```

» Argument Reference

- `pool_ref` - (Optional) Search Server by `pool_ref`.
- `uuid` - (Optional) Search Server by `uuid`.
- `ip` - (Optional) Search Server by `ip`.

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - (Optional) Search server object by `uuid`.
- `pool_ref` - The pool is an object that contains destination servers and related attributes such as load-balancing and persistence.
- `ip` - IP address of a destination servers.
- `port` - Port of a destination servers.
- `type` - Type of ip address (V4)
- `autoscaling_group_name` - Name of autoscaling group this server belongs to.
- `description` - A description of the server.
- `enabled` - Enable or disable the server.
- `external_orchestration_id` - UID of server in external orchestration systems.
- `external_uuid` - UUID identifying VM in OpenStack and other external compute.
- `hostname` - DNS resolvable name of the server. May be used in place of the IP address.
- `location` - Geographic location of the server. Currently only for internal usage.
- `nw_ref` - This field is used internally by Avi, not editable by the user. It is a reference to an object of type `VIMgrNWRuntime`.
- `prst_hdr_val` - Header value for custom header persistence.
- `rewrite_host_header` - Rewrite incoming Host Header to server name.
- `vm_ref` - This field is used internally by Avi, not editable by the user. It is a reference to an object of type `VIMgrVMRuntime`.

» **avi__useraccountprofile**

The UserAccountProfile resource allows the creation and management of Avi UserAccountProfile

» **Example Usage**

```
resource "avi_useraccountprofile" "foo" {  
    name = "terraform-example-foo"  
    tenant_ref = "/api/tenant/?name=admin"  
}
```

» **Argument Reference**

The following arguments are supported:

- **name** - (Required) Name of the object.
- **account_lock_timeout** - (Optional) Lock timeout period (in minutes).
- **credentials_timeout_threshold** - (Optional) The time period after which credentials expire.
- **max_concurrent_sessions** - (Optional) Maximum number of concurrent sessions allowed.
- **max_login_failure_count** - (Optional) Number of login attempts before logout.
- **max_password_history_count** - (Optional) Maximum number of passwords to be maintained in the password history.

» **Timeouts**

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» **avi__role**

The Role resource allows the creation and management of Avi Role

» **Example Usage**

```
resource "avi_role" "foo" {  
    name = "terraform-example-foo"  
    tenant_ref = "/api/tenant/?name=admin"  
}
```

» **Argument Reference**

The following arguments are supported:

- **name** - (Required) Name of the object.
- **privileges** - (Optional) List of list.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» **Timeouts**

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» **avi__natpolicy**

The NatPolicy resource allows the creation and management of Avi NatPolicy

» Example Usage

```
resource "avi_natpolicy" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **created_by** - (Optional) Creator name.
- **description** - (Optional) Field introduced in 18.2.3.
- **name** - (Optional) Name of the nat policy.
- **rules** - (Optional) Nat policy rules.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the nat policy.

» avi_ipaddrgroup

The IpAddrGroup resource allows the creation and management of Avi IpAddrGroup

» Example Usage

```
resource "avi_ipaddrgroup" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name of the ip address group.
- **addrs** - (Optional) Configure ip address(es).
- **apic_epg_name** - (Optional) Populate ip addresses from members of this cisco apic epg.
- **country_codes** - (Optional) Populate the ip address ranges from the geo database for this country.
- **description** - (Optional) User defined description for the object.
- **ip_ports** - (Optional) Configure (ip address, port) tuple(s).
- **marathon_app_name** - (Optional) Populate ip addresses from tasks of this marathon app.
- **marathon_service_port** - (Optional) Task port associated with marathon service port.
- **prefixes** - (Optional) Configure ip address prefix(es).
- **ranges** - (Optional) Configure ip address range(s).
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the ip address group.

» `avi_microservicegroup`

The `MicroServiceGroup` resource allows the creation and management of `Avi MicroServiceGroup`

» Example Usage

```
resource "avi_microservicegroup" "foo" {  
  name = "terraform-example-foo"
```

```

    tenant_ref = "/api/tenant/?name=admin"
}

```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name of the microservice group.
- **created_by** - (Optional) Creator name.
- **description** - (Optional) User defined description for the object.
- **service_refs** - (Optional) Configure microservice(es).
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the microservice group.

» avi_stringgroup

The `StringGroup` resource allows the creation and management of `Avi String-Group`

» Example Usage

```

resource "avi_stringgroup" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}

```


» Argument Reference

The following arguments are supported:

- **name** - (Required) Name of the string group.
- **type** - (Required) Type of stringgroup.
- **description** - (Optional) User defined description for the object.
- **kv** - (Optional) Configure key value in the string group.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the string group.

» avi_trafficcloneprofile

The TrafficCloneProfile resource allows the creation and management of Avi TrafficCloneProfile

» Example Usage

```
resource "avi_trafficcloneprofile" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name for the traffic clone profile.
- **clone_servers** - (Optional) Field introduced in 17.1.1.
- **cloud_ref** - (Optional) It is a reference to an object of type cloud.

- `preserve_client_ip` - (Optional) Specifies if client ip needs to be preserved to clone destination.
- `tenant_ref` - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Uuid of the traffic clone profile.

» avi__webhook

The Webhook resource allows the creation and management of Avi Webhook

» Example Usage

```
resource "avi_webhook" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) The name of the webhook profile.
- `callback_url` - (Optional) Callback url for the webhook.
- `description` - (Optional) Field introduced in 17.1.1.
- `tenant_ref` - (Optional) It is a reference to an object of type tenant.
- `verification_token` - (Optional) Verification token sent back with the callback asquery parameters.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Uuid of the webhook profile.

» avi_authprofile

The `AuthProfile` resource allows the creation and management of `Avi AuthProfile`

» Example Usage

```
resource "avi_authprofile" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) Name of the auth profile.
- `type` - (Required) Type of the auth profile.
- `description` - (Optional) User defined description for the object.
- `http` - (Optional) Http user authentication params.
- `ldap` - (Optional) Ldap server and directory settings.
- `pa_agent_ref` - (Optional) Pingaccessagent uuid.
- `saml` - (Optional) Saml settings.
- `tacacs_plus` - (Optional) Tacacs+ settings.
- `tenant_ref` - (Optional) It is a reference to an object of type `tenant`.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Uuid of the auth profile.

» avi_sslkeyandcertificate

The `SSLKeyAndCertificate` resource allows the creation and management of Avi `SSLKeyAndCertificate`

» Example Usage

```
resource "avi_sslkeyandcertificate" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `certificate` - (Required) Dict settings for `sslkeyandcertificate`.
- `name` - (Required) Name of the object.
- `ca_certs` - (Optional) Ca certificates in certificate chain.
- `certificate_base64` - (Optional) States if the certificate is base64 encoded.
- `certificate_management_profile_ref` - (Optional) It is a reference to an object of type `certificatemanagementprofile`.
- `created_by` - (Optional) Creator name.
- `dynamic_params` - (Optional) Dynamic parameters needed for certificate management profile.
- `enckey_base64` - (Optional) Encrypted private key corresponding to the private key (e.g.
- `enckey_name` - (Optional) Name of the encrypted private key (e.g.

- **format** - (Optional) Format of the key/certificate file.
- **hardwaresecuritymodulegroup_ref** - (Optional) It is a reference to an object of type hardwaresecuritymodulegroup.
- **key** - (Optional) Private key.
- **key_base64** - (Optional) States if the private key is base64 encoded.
- **key_params** - (Optional) Dict settings for sslkeyandcertificate.
- **key_passphrase** - (Optional) Passphrase used to encrypt the private key.
- **status** - (Optional) Enum options - ssl_certificate_finished, ssl_certificate_pending.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **type** - (Optional) Enum options - ssl_certificate_type_virtualservice, ssl_certificate_type_system, ssl_certificate_type_ca.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» avi_sslprofile

The SSLProfile resource allows the creation and management of Avi SSLProfile

» Example Usage

```
resource "avi_sslprofile" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name of the object.

- **accepted_ciphers** - (Optional) Ciphers suites represented as defined by u([http //www.openssl.org/docs/apps/ciphers.html](http://www.openssl.org/docs/apps/ciphers.html)).
- **accepted_versions** - (Optional) Set of versions accepted by the server.
- **cipher_enums** - (Optional) Enum options - `tls_ecdhe_ecdsa_with_aes_128_gcm_sha256`, `tls_ecdhe_ecdsa_with_aes_256_gcm_sha384`, `tls_ecdhe_rsa_with_aes_128_gcm_sha256`, `tls_ecdhe_rsa_with_aes_256_gcm_sha384`, `tls_ecdhe_ecdsa_with_aes_128_cbc_sha256`, `tls_ecdhe_ecdsa_with_aes_256_cbc_sha384`, `tls_ecdhe_rsa_with_aes_128_cbc_sha256`, `tls_ecdhe_rsa_with_aes_256_cbc_sha384`, `tls_rsa_with_aes_128_gcm_sha256`, `tls_rsa_with_aes_256_gcm_sha384`, `tls_rsa_with_aes_128_cbc_sha256`, `tls_rsa_with_aes_256_cbc_sha256`, `tls_ecdhe_ecdsa_with_aes_128_cbc_sha`, `tls_ecdhe_ecdsa_with_aes_256_cbc_sha`, `tls_ecdhe_rsa_with_aes_128_cbc_sha`, `tls_ecdhe_rsa_with_aes_256_cbc_sha`, `tls_rsa_with_aes_128_cbc_sha`, `tls_rsa_with_aes_256_cbc_sha`, `tls_rsa_with_3des_edc_cbc_sha`, `tls_rsa_with_rc4_128_sha`.
- **description** - (Optional) User defined description for the object.
- **dhparam** - (Optional) Dh parameters used in ssl.
- **enable_ssl_session_reuse** - (Optional) Enable ssl session re-use.
- **prefer_client_cipher_ordering** - (Optional) Prefer the ssl cipher ordering presented by the client during the ssl handshake over the one specified in the ssl profile.
- **send_close_notify** - (Optional) Send 'close notify' alert message for a clean shutdown of the ssl connection.
- **ssl_rating** - (Optional) Dict settings for sslprofile.
- **ssl_session_timeout** - (Optional) The amount of time in seconds before an ssl session expires.
- **tags** - (Optional) List of list.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **type** - (Optional) Ssl profile type.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» avi__pkiprofile

The PKIProfile resource allows the creation and management of Avi PKIProfile

» Example Usage

```
resource "avi_pkiprofile" "foo" {  
  name = "terraform-example-foo"  
  tenant_ref = "/api/tenant/?name=admin"  
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name of the pki profile.
- **ca_certs** - (Optional) List of certificate authorities (root and intermediate) trusted that is used for certificate validation.
- **created_by** - (Optional) Creator name.
- **crl_check** - (Optional) When enabled, avi will verify via crl checks that certificates in the trust chain have not been revoked.
- **crls** - (Optional) Certificate revocation lists.
- **ignore_peer_chain** - (Optional) When enabled, avi will not trust intermediate and root certs presented by a client.
- **is_federated** - (Optional) This field describes the object's replication scope.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **validate_only_leaf_crl** - (Optional) When enabled, avi will only validate the revocation status of the leaf certificate using crl.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» **avi__certificatemanagementprofile**

The CertificateManagementProfile resource allows the creation and management of Avi CertificateManagementProfile

» **Example Usage**

```
resource "avi_certificatemanagementprofile" "foo" {  
  name = "terraform-example-foo"  
  tenant_ref = "/api/tenant/?name=admin"  
}
```

» **Argument Reference**

The following arguments are supported:

- **name** - (Required) Name of the pki profile.
- **script_path** - (Required) Placeholder for description of property script_path of obj type certificatemanagementprofile field type string type str.
- **script_params** - (Optional) List of list.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» **Timeouts**

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» **avi__ssopolicy**

The SSOPolicy resource allows the creation and management of Avi SSOPolicy

» Example Usage

```
resource "avi_ssopolicy" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `authentication_policy` - (Optional) Authentication policy settings.
- `authorization_policy` - (Optional) Authorization policy settings.
- `name` - (Optional) Name of the sso policy.
- `tenant_ref` - (Optional) Uuid of the tenant.
- `type` - (Optional) Sso policy type.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Uuid of the sso policy.

» avi_l4policyset

The `L4PolicySet` resource allows the creation and management of Avi `L4PolicySet`

» Example Usage

```
resource "avi_l4policyset" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `created_by` - (Optional) Creator name.
- `description` - (Optional) Field introduced in 17.2.7.
- `is_internal_policy` - (Optional) Field introduced in 17.2.7.
- `l4_connection_policy` - (Optional) Policy to apply when a new transport connection is setup.
- `name` - (Optional) Name of the l4 policy set.
- `tenant_ref` - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Id of the l4 policy set.

» avi__scheduler

The Scheduler resource allows the creation and management of Avi Scheduler

» Example Usage

```
resource "avi_scheduler" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) Name of scheduler.

- `backup_config_ref` - (Optional) Backup configuration to be executed by this scheduler.
- `enabled` - (Optional) Boolean flag to set enabled.
- `end_date_time` - (Optional) Scheduler end date and time.
- `frequency` - (Optional) Frequency at which custom scheduler will run.
- `frequency_unit` - (Optional) Unit at which custom scheduler will run.
- `run_mode` - (Optional) Scheduler run mode.
- `run_script_ref` - (Optional) Control script to be executed by this scheduler.
- `scheduler_action` - (Optional) Define scheduler action.
- `start_date_time` - (Optional) Scheduler start date and time.
- `tenant_ref` - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Unique object identifier of the object.

» `avi_backupconfiguration`

The BackupConfiguration resource allows the creation and management of Avi BackupConfiguration

» Example Usage

```
resource "avi_backupconfiguration" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) Name of backup configuration.
- `aws_access_key` - (Optional) Aws access key id.
- `aws_bucket_id` - (Optional) Aws bucket.
- `aws_secret_access` - (Optional) Aws secret access key.
- `backup_file_prefix` - (Optional) Prefix of the exported configuration file.
- `backup_passphrase` - (Optional) Passphrase of backup configuration.
- `maximum_backups_stored` - (Optional) Rotate the backup files based on this count.
- `remote_directory` - (Optional) Directory at remote destination with write permission for ssh user.
- `remote_hostname` - (Optional) Remote destination.
- `save_local` - (Optional) Local backup.
- `ssh_user_ref` - (Optional) Access credentials for remote destination.
- `tenant_ref` - (Optional) It is a reference to an object of type tenant.
- `upload_to_remote_host` - (Optional) Remote backup.
- `upload_to_s3` - (Optional) Cloud backup.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Unique object identifier of the object.

» `avi_tenant`

The Tenant resource allows the creation and management of Avi Tenant

» Example Usage

```
resource "avi_tenant" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name of the object.
- **config_settings** - (Optional) Dict settings for tenant.
- **created_by** - (Optional) Creator of this tenant.
- **description** - (Optional) User defined description for the object.
- **local** - (Optional) Boolean flag to set local.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» `avi_serviceenginegroup`

The `ServiceEngineGroup` resource allows the creation and management of `Avi ServiceEngineGroup`

» Example Usage

```
resource "avi_serviceenginegroup" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name of the object.
- **accelerated_networking** - (Optional) Enable accelerated networking option for azure se.

- **active_standby** - (Optional) Service engines in active/standby mode for ha failover.
- **advertise_backend_networks** - (Optional) Advertise reach-ability of backend server networks via adc through bgp for default gateway feature.
- **aggressive_failure_detection** - (Optional) Enable aggressive failover configuration for ha.
- **algo** - (Optional) In compact placement, virtual services are placed on existing ses until max_vs_per_se limit is reached.
- **allow_burst** - (Optional) Allow ses to be created using burst license.
- **app_cache_percent** - (Optional) A percent value of total se memory reserved for application caching.
- **app_learning_memory_percent** - (Optional) A percent value of total se memory reserved for application learning.
- **archive_shm_limit** - (Optional) Amount of se memory in gb until which shared memory is collected in core archive.
- **async_ssl** - (Optional) Ssl handshakes will be handled by dedicated ssl threads.requires se reboot.
- **async_ssl_threads** - (Optional) Number of async ssl threads per se_dp.requires se reboot.
- **auto_rebalance** - (Optional) If set, virtual services will be automatically migrated when load on an se is less than minimum or more than maximum thresholds.
- **auto_rebalance_capacity_per_se** - (Optional) Capacities of se for auto rebalance for each criteria.
- **auto_rebalance_criteria** - (Optional) Set of criteria for se auto rebalance.
- **auto_rebalance_interval** - (Optional) Frequency of rebalance, if 'auto rebalance' is enabled.
- **auto_redistribute_active_standby_load** - (Optional) Redistribution of virtual services from the takeover se to the replacement se can cause momentary traffic loss.
- **bgp_state_update_interval** - (Optional) Bgp peer state update interval.
- **buffer_se** - (Optional) Excess service engine capacity provisioned for ha failover.
- **cloud_ref** - (Optional) It is a reference to an object of type cloud.
- **config_debugs_on_all_cores** - (Optional) Enable config debugs on all cores of se.
- **connection_memory_percentage** - (Optional) Percentage of memory for connection state.
- **cpu_reserve** - (Optional) Boolean flag to set cpu_reserve.
- **cpu_socket_affinity** - (Optional) Allocate all the cpu cores for the service engine virtual machines on the same cpu socket.
- **custom_securitygroups_data** - (Optional) Custom security groups to be associated with data vnics for se instances in openstack and aws clouds.
- **custom_securitygroups_mgmt** - (Optional) Custom security groups to be associated with management vnic for se instances in openstack and aws

clouds.

- **custom_tag** - (Optional) Custom tag will be used to create the tags for se instance in aws.
- **data_network_id** - (Optional) Subnet used to spin up the data nic for service engines, used only for azure cloud.
- **datascript_timeout** - (Optional) Number of instructions before datascript times out.
- **dedicated_dispatcher_core** - (Optional) Dedicate the core that handles packet receive/transmit from the network to just the dispatching function.
- **description** - (Optional) User defined description for the object.
- **disable_avi_securitygroups** - (Optional) By default, avi creates and manages security groups along with custom sg provided by user.
- **disable_csum_offloads** - (Optional) Stop using tcp/udp and ip checksum offload features of nics.
- **disable_gro** - (Optional) Disable generic receive offload (gro) in dpdk poll-mode driver packet receive path.
- **disable_se_memory_check** - (Optional) If set, disable the config memory check done in service engine.
- **disable_tso** - (Optional) Disable tcp segmentation offload (tso) in dpdk poll-mode driver packet transmit path.
- **disk_per_se** - (Optional) Amount of disk space for each of the service engine virtual machines.
- **distribute_load_active_standby** - (Optional) Use both the active and standby service engines for virtual service placement in the legacy active standby ha mode.
- **distribute_queues** - (Optional) Distributes queue ownership among cores so multiple cores handle dispatcher duties.requires se reboot.
- **distribute_vnics** - (Optional) Distributes vnic ownership among cores so multiple cores handle dispatcher duties.requires se reboot.
- **enable_gratarp_permanent** - (Optional) Enable gratarp for vip_ip.
- **enable_hsm_priming** - (Optional) (this is a beta feature).
- **enable_multi_lb** - (Optional) Applicable only for azure cloud with basic sku lb.
- **enable_routing** - (Optional) Enable routing for this serviceenginegroup .
- **enable_vip_on_all_interfaces** - (Optional) Enable vip on all interfaces of se.
- **enable_vmac** - (Optional) Use virtual mac address for interfaces on which floating interface ips are placed.
- **ephemeral_portrange_end** - (Optional) End local ephemeral port number for outbound connections.
- **ephemeral_portrange_start** - (Optional) Start local ephemeral port number for outbound connections.
- **extra_config_multiplier** - (Optional) Multiplier for extra config to support large vs/pool config.
- **extra_shared_config_memory** - (Optional) Extra config memory to sup-

port large geo db configuration.

- **floating_intf_ip** - (Optional) If serviceenginegroup is configured for legacy 1+1 active standby ha mode, floating ip's will be advertised only by the active se in the pair.
- **floating_intf_ip_se_2** - (Optional) If serviceenginegroup is configured for legacy 1+1 active standby ha mode, floating ip's will be advertised only by the active se in the pair.
- **flow_table_new_syn_max_entries** - (Optional) Maximum number of flow table entries that have not completed tcp three-way handshake yet.
- **free_list_size** - (Optional) Number of entries in the free list.
- **gratarp_permanent_periodicity** - (Optional) Gratarp periodicity for vip-ip.
- **ha_mode** - (Optional) High availability mode for all the virtual services using this service engine group.
- **hardwaresecuritymodulegroup_ref** - (Optional) It is a reference to an object of type hardwaresecuritymodulegroup.
- **heap_minimum_config_memory** - (Optional) Minimum required heap memory to apply any configuration.
- **hm_on_standby** - (Optional) Enable active health monitoring from the standby se for all placed virtual services.
- **host_attribute_key** - (Optional) Key of a (key, value) pair identifying a label for a set of nodes usually in container clouds.
- **host_attribute_value** - (Optional) Value of a (key, value) pair identifying a label for a set of nodes usually in container clouds.
- **host_gateway_monitor** - (Optional) Enable the host gateway monitor when service engine is deployed as docker container.
- **hypervisor** - (Optional) Override default hypervisor.
- **ignore_rtt_threshold** - (Optional) Ignore rtt samples if it is above threshold.
- **ingress_access_data** - (Optional) Program se security group ingress rules to allow vip data access from remote cidr type.
- **ingress_access_mgmt** - (Optional) Program se security group ingress rules to allow ssh/icmp management access from remote cidr type.
- **instance_flavor** - (Optional) Instance/flavor name for se instance.
- **iptables** - (Optional) Iptable rules.
- **least_load_core_selection** - (Optional) Select core with least load for new flow.
- **license_tier** - (Optional) Specifies the license tier which would be used.
- **license_type** - (Optional) If no license type is specified then default license enforcement for the cloud type is chosen.
- **log_disksz** - (Optional) Maximum disk capacity (in mb) to be allocated to an se.
- **max_cpu_usage** - (Optional) When cpu usage on an se exceeds this threshold, virtual services hosted on this se may be rebalanced to other ses to reduce load.
- **max_memory_per_mempool** - (Optional) Max bytes that can be allocated

in a single mempool.

- **max_public_ips_per_lb** - (Optional) Applicable to azure platform only.
- **max_rules_per_lb** - (Optional) Applicable to azure platform only.
- **max_scaleout_per_vs** - (Optional) Maximum number of active service engines for the virtual service.
- **max_se** - (Optional) Maximum number of services engines in this group.
- **max_vs_per_se** - (Optional) Maximum number of virtual services that can be placed on a single service engine.
- **mem_reserve** - (Optional) Boolean flag to set mem_reserve.
- **memory_for_config_update** - (Optional) Indicates the percent of memory reserved for config updates.
- **memory_per_se** - (Optional) Amount of memory for each of the service engine virtual machines.
- **mgmt_network_ref** - (Optional) Management network to use for avi service engines.
- **mgmt_subnet** - (Optional) Management subnet to use for avi service engines.
- **min_cpu_usage** - (Optional) When cpu usage on an se falls below the minimum threshold, virtual services hosted on the se may be consolidated onto other underutilized ses.
- **min_scaleout_per_vs** - (Optional) Minimum number of active service engines for the virtual service.
- **min_se** - (Optional) Minimum number of services engines in this group (relevant for se autorebalance only).
- **minimum_connection_memory** - (Optional) Indicates the percent of memory reserved for connections.
- **n_log_streaming_threads** - (Optional) Number of threads to use for log streaming.
- **non_significant_log_throttle** - (Optional) This setting limits the number of non-significant logs generated per second per core on this se.
- **num_dispatcher_cores** - (Optional) Number of dispatcher cores (0,1,2,4,8 or 16).
- **num_flow_cores_sum_changes_to_ignore** - (Optional) Number of changes in num flow cores sum to ignore.
- **openstack_availability_zones** - (Optional) Field introduced in 17.1.1.
- **openstack_mgmt_network_name** - (Optional) Avi management network name.
- **openstack_mgmt_network_uuid** - (Optional) Management network uuid.
- **os_reserved_memory** - (Optional) Amount of extra memory to be reserved for use by the operating system on a service engine.
- **per_app** - (Optional) Per-app se mode is designed for deploying dedicated load balancers per app (vs).
- **placement_mode** - (Optional) If placement mode is 'auto', virtual services are automatically placed on service engines.
- **realtime_se_metrics** - (Optional) Enable or disable real time se metrics.
- **reboot_on_panic** - (Optional) Reboot the vm or host on kernel panic.

- **se_bandwidth_type** - (Optional) Select the se bandwidth for the bandwidth license.
- **se_deprovision_delay** - (Optional) Duration to preserve unused service engine virtual machines before deleting them.
- **se_dos_profile** - (Optional) Dict settings for serviceenginegroup.
- **se_dp_vnic_queue_stall_event_sleep** - (Optional) Time (in seconds) service engine waits for after generating a vnic transmit queue stall event before resetting thenic.
- **se_dp_vnic_queue_stall_threshold** - (Optional) Number of consecutive transmit failures to look for before generating a vnic transmit queue stall event.
- **se_dp_vnic_queue_stall_timeout** - (Optional) Time (in milliseconds) to wait for network/nic recovery on detecting a transmit queue stall after which service engine resets the nic.
- **se_dp_vnic_restart_on_queue_stall_count** - (Optional) Number of consecutive transmit queue stall events in **se_dp_vnic_stall_se_restart_window** to look for before restarting se.
- **se_dp_vnic_stall_se_restart_window** - (Optional) Window of time (in seconds) during which **se_dp_vnic_restart_on_queue_stall_count** number of consecutive stalls results in a se restart.
- **se_dpdk_pmd** - (Optional) Determines if dpdk pool mode driver should be used or not 0 automatically determine based on hypervisor/nic type 1 unconditionally use dpdk poll mode driver 2 don't use dpdk poll mode driver.requires se reboot.
- **se_flow_probe_retries** - (Optional) Flow probe retry count if no replies are received.requires se reboot.
- **se_flow_probe_retry_timer** - (Optional) Timeout in milliseconds for flow probe retries.requires se reboot.
- **se_ipc_udp_port** - (Optional) Udp port for se_dp ipc in docker bridge mode.
- **se_lro** - (Optional) Enable or disable large receive optimization for vnics.
- **se_name_prefix** - (Optional) Prefix to use for virtual machine name of service engines.
- **se_pcap_lookahead** - (Optional) Enables lookahead mode of packet receive in pcap mode.
- **se_pcap_pkt_count** - (Optional) Max number of packets the pcap interface can hold and if the value is 0 the optimum value will be chosen.
- **se_pcap_pkt_sz** - (Optional) Max size of each packet in the pcap interface.
- **se_pcap_reinit_frequency** - (Optional) Frequency in seconds at which periodically a pcap reinit check is triggered.
- **se_pcap_reinit_threshold** - (Optional) Threshold for input packet receive errors in pcap mode exceeding which a pcap reinit is triggered.
- **se_probe_port** - (Optional) Tcp port on se where echo service will be run.
- **se_remote_punt_udp_port** - (Optional) Udp port for punted packets in

docker bridge mode.

- **se_routing** - (Optional) Enable routing via service engine datapath.
- **se_sb_dedicated_core** - (Optional) Sideband traffic will be handled by a dedicated core.requires se reboot.
- **se_sb_threads** - (Optional) Number of sideband threads per se.requires se reboot.
- **se_thread_multiplier** - (Optional) Multiplier for se threads based on vcpu.
- **se_tracert_port_range** - (Optional) Traceroute port range.
- **se_tunnel_mode** - (Optional) Determines if dsr from secondary se is active or not 0 automatically determine based on hypervisor type.
- **se_tunnel_udp_port** - (Optional) Udp port for tunneled packets from secondary to primary se in docker bridge mode.requires se reboot.
- **se_tx_batch_size** - (Optional) Number of packets to batch for transmit to the nic.
- **se_udp_encap_ipc** - (Optional) Determines if se-se ipc messages are encapsulated in a udp header 0 automatically determine based on hypervisor type.
- **se_use_dpdk** - (Optional) Determines if dpdk library should be used or not 0 automatically determine based on hypervisor type 1 use dpdk if pcap is not enabled 2 don't use dpdk.
- **se_vs_hb_max_pkts_in_batch** - (Optional) Maximum number of aggregated vs heartbeat packets to send in a batch.
- **se_vs_hb_max_vs_in_pkt** - (Optional) Maximum number of virtualservices for which heartbeat messages are aggregated in one packet.
- **self_se_election** - (Optional) Enable ses to elect a primary amongst themselves in the absence of a connectivity to controller.
- **service_ip6_subnets** - (Optional) Ipv6 subnets assigned to the se group.
- **service_ip_subnets** - (Optional) Subnets assigned to the se group.
- **shm_minimum_config_memory** - (Optional) Minimum required shared memory to apply any configuration.
- **significant_log_throttle** - (Optional) This setting limits the number of significant logs generated per second per core on this se.
- **ssl_preprocess_sni_hostname** - (Optional) (beta) preprocess ssl client hello for sni hostname extension.if set to true, this will apply sni child's ssl protocol(s), if they are different from sni parent's allowed ssl protocol(s).
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **udf_log_throttle** - (Optional) This setting limits the number of udf logs generated per second per core on this se.
- **use_standard_alb** - (Optional) Use standard sku azure load balancer.
- **vcenter_clusters** - (Optional) Dict settings for serviceenginegroup.
- **vcenter_datastore_mode** - (Optional) Enum options - vcenter_datastore_any, vcenter_datastore_local, vcenter_datastore_shared.
- **vcenter_datastores** - (Optional) List of list.
- **vcenter_datastores_include** - (Optional) Boolean flag to set vcenter_datastores_include.

- **vcenter_folder** - (Optional) Folder to place all the service engine virtual machines in vcenter.
- **vcenter_hosts** - (Optional) Dict settings for serviceenginegroup.
- **vcpus_per_se** - (Optional) Number of vcpus for each of the service engine virtual machines.
- **vip_asg** - (Optional) When vip_asg is set, vip configuration will be managed by avi.user will be able to configure vip_asg or vips individually at the time of create.
- **vs_host_redundancy** - (Optional) Ensure primary and secondary service engines are deployed on different physical hosts.
- **vs_scalein_timeout** - (Optional) Time to wait for the scaled in se to drain existing flows before marking the scalein done.
- **vs_scalein_timeout_for_upgrade** - (Optional) During se upgrade, time to wait for the scaled-in se to drain existing flows before marking the scalein done.
- **vs_scaleout_timeout** - (Optional) Time to wait for the scaled out se to become ready before marking the scaleout done.
- **vs_se_scaleout_additional_wait_time** - (Optional) Wait time for sending scaleout ready notification after virtual service is marked up.
- **vs_se_scaleout_ready_timeout** - (Optional) Timeout in seconds for service engine to send scaleout ready notification of a virtual service.
- **vs_switchover_timeout** - (Optional) During se upgrade in a legacy active/standby segroup, time to wait for the new primary se to accept flows before marking the switchover done.
- **vss_placement** - (Optional) Parameters to place virtual services on only a subset of the cores of an se.
- **vss_placement_enabled** - (Optional) If set, virtual services will be placed on only a subset of the cores of an se.
- **waf_mempool** - (Optional) Enable memory pool for waf.requires se reboot.
- **waf_mempool_size** - (Optional) Memory pool size used for waf.requires se reboot.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» **avi_networkservice**

The NetworkService resource allows the creation and management of Avi NetworkService

» **Example Usage**

```
resource "avi_networkservice" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» **Argument Reference**

The following arguments are supported:

- **cloud_ref** - (Optional) It is a reference to an object of type cloud.
- **name** - (Optional) Name of the networkservice.
- **routing_service** - (Optional) Routing information of the networkservice.
- **se_group_ref** - (Optional) Service engine group to which the service is applied.
- **service_type** - (Optional) Indicates the type of networkservice.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **vrf_ref** - (Optional) Vrf context to which the service is scoped.

» **Timeouts**

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the networkservice.

» **avi_dnspolicy**

The DnsPolicy resource allows the creation and management of Avi DnsPolicy

» Example Usage

```
resource "avi_dnspolicy" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **created_by** - (Optional) Creator name.
- **description** - (Optional) Field introduced in 17.1.1.
- **name** - (Optional) Name of the dns policy.
- **rule** - (Optional) Dns rules.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the dns policy.

» avi__hardwaresecuritymodulegroup

The HardwareSecurityModuleGroup resource allows the creation and management of Avi HardwareSecurityModuleGroup

» Example Usage

```
resource "avi_hardwaresecuritymodulegroup" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **hsm** - (Required) Hardware security module configuration.
- **name** - (Required) Name of the hsm group configuration object.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the hsm group configuration object.

» avi_vrfcontext

The VrfContext resource allows the creation and management of Avi VrfContext

» Example Usage

```
resource "avi_vrfcontext" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name of the object.
- **bgp_profile** - (Optional) Bgp local and peer info.
- **cloud_ref** - (Optional) It is a reference to an object of type cloud.
- **debugvrfcontext** - (Optional) Configure debug flags for vrf.
- **description** - (Optional) User defined description for the object.

- **gateway_mon** - (Optional) Configure ping based heartbeat check for gateway in service engines of vrf.
- **internal_gateway_monitor** - (Optional) Configure ping based heartbeat check for all default gateways in service engines of vrf.
- **static_routes** - (Optional) List of list.
- **system_default** - (Optional) Boolean flag to set system__default.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» avi__securitypolicy

The SecurityPolicy resource allows the creation and management of Avi SecurityPolicy

» Example Usage

```
resource "avi_securitypolicy" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) The name of the security policy.
- **description** - (Optional) Security policy is used to specify various configuration information used to perform distributed denial of service (ddos) attacks detection and mitigation.

- `dns_attacks` - (Optional) Attacks utilizing the dns protocol operations.
- `dns_policy_index` - (Optional) Index of the dns policy to use for the mitigation rules applied to the dns attacks.
- `network_security_policy_index` - (Optional) Index of the network security policy to use for the mitigation rules applied to the attacks.
- `oper_mode` - (Optional) Mode of dealing with the attacks - perform detection only, or detect and mitigate the attacks.
- `tcp_attacks` - (Optional) Attacks utilizing the tcp protocol operations.
- `tenant_ref` - (Optional) Tenancy of the security policy.
- `udp_attacks` - (Optional) Attacks utilizing the udp protocol operations.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - The uuid of the security policy.

» avi_protocolparser

The `ProtocolParser` resource allows the creation and management of `Avi ProtocolParser`

» Example Usage

```
resource "avi_protocolparser" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `description` - (Optional) Description of the protocol parser.

- **name** - (Optional) Name of the protocol parser.
- **parser_code** - (Optional) Command script provided inline.
- **tenant_ref** - (Optional) Tenant uuid of the protocol parser.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the protocol parser.

» avi_cloudproperties

The CloudProperties resource allows the creation and management of Avi Cloud-Properties

» Example Usage

```
resource "avi_cloudproperties" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **cc_props** - (Optional) Cloudconnector properties.
- **cc_vtypes** - (Optional) Cloud types supported by cloudconnector.
- **hyp_props** - (Optional) Hypervisor properties.
- **info** - (Optional) Properties specific to a cloud type.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Unique object identifier of the object.

» `avi_applicationpersistenceprofile`

The `ApplicationPersistenceProfile` resource allows the creation and management of Avi `ApplicationPersistenceProfile`

» Example Usage

```
resource "avi_applicationpersistenceprofile" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) A user-friendly name for the persistence profile.
- `persistence_type` - (Required) Method used to persist clients to the same server for a duration of time or a session.
- `app_cookie_persistence_profile` - (Optional) Specifies the application cookie persistence profile parameters.
- `description` - (Optional) User defined description for the object.
- `hdr_persistence_profile` - (Optional) Specifies the custom http header persistence profile parameters.
- `http_cookie_persistence_profile` - (Optional) Specifies the http cookie persistence profile parameters.
- `ip_persistence_profile` - (Optional) Specifies the client ip persistence profile parameters.

- `is_federated` - (Optional) This field describes the object's replication scope.
- `server_hm_down_recovery` - (Optional) Specifies behavior when a persistent server has been marked down by a health monitor.
- `tenant_ref` - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Uuid of the persistence profile.

» avi__backup

The Backup resource allows the creation and management of Avi Backup

» Example Usage

```
resource "avi_backup" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `file_name` - (Required) The file name of backup.
- `backup_config_ref` - (Optional) Backupconfiguration information.
- `local_file_url` - (Optional) Url to download the backup file.
- `remote_file_url` - (Optional) Url to download the backup file.
- `scheduler_ref` - (Optional) Scheduler information.
- `tenant_ref` - (Optional) It is a reference to an object of type tenant.
- `timestamp` - (Optional) Unix timestamp of when the backup file is created.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Unique object identifier of the object.

» `avi_networksecuritypolicy`

The `NetworkSecurityPolicy` resource allows the creation and management of Avi `NetworkSecurityPolicy`

» Example Usage

```
resource "avi_networksecuritypolicy" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `cloud_config_cksum` - (Optional) Checksum of cloud configuration for network sec policy.
- `created_by` - (Optional) Creator name.
- `description` - (Optional) User defined description for the object.
- `name` - (Optional) Name of the object.
- `rules` - (Optional) List of list.
- `tenant_ref` - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI

- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» avi_seproperties

The SeProperties resource allows the creation and management of Avi SeProperties

» Example Usage

```
resource "avi_seproperties" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **se_agent_properties** - (Optional) Dict settings for seproperties.
- **se_bootup_properties** - (Optional) Dict settings for seproperties.
- **se_runtime_properties** - (Optional) Dict settings for seproperties.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» **avi_pingaccessagent**

The PingAccessAgent resource allows the creation and management of Avi PingAccessAgent

» **Example Usage**

```
resource "avi_pingaccessagent" "foo" {  
    name = "terraform-example-foo"  
    tenant_ref = "/api/tenant/?name=admin"  
}
```

» **Argument Reference**

The following arguments are supported:

- **description** - (Optional) Field introduced in 18.2.3.
- **name** - (Optional) Name of the pingaccess agent.
- **pingaccess_pool_ref** - (Optional) Pool containing a primary pingaccess server, as well as any failover servers included in the agent.properties file.
- **primary_server** - (Optional) The ip and port of the primary pingaccess server.
- **properties_file_data** - (Optional) Pingaccessagent's agent.properties file generated by pingaccess server.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» **Timeouts**

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the pingaccess agent.

» **avi_gslbgeodbprofile**

The GslbGeoDbProfile resource allows the creation and management of Avi GslbGeoDbProfile

» **Example Usage**

```
resource "avi_gslbgeodbprofile" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» **Argument Reference**

The following arguments are supported:

- **name** - (Required) A user-friendly name for the geodb profile.
- **description** - (Optional) Field introduced in 17.1.1.
- **entries** - (Optional) List of geodb entries.
- **is_federated** - (Optional) This field indicates that this object is replicated across gslb federation.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» **Timeouts**

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the geodb profile.

» **avi_gslbservice**

The GslbService resource allows the creation and management of Avi GslbService

» Example Usage

```
resource "avi_gslbservice" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name for the gslb service.
- **application_persistence_profile_ref** - (Optional) The federated application persistence associated with gslbservice site persistence functionality.
- **controller_health_status_enabled** - (Optional) Gs member's overall health status is derived based on a combination of controller and datapath health-status inputs.
- **created_by** - (Optional) Creator name.
- **description** - (Optional) User defined description for the object.
- **domain_names** - (Optional) Fully qualified domain name of the gslb service.
- **down_response** - (Optional) Response to the client query when the gslb service is down.
- **enabled** - (Optional) Enable or disable the gslb service.
- **groups** - (Optional) Select list of pools belonging to this gslb service.
- **health_monitor_refs** - (Optional) Verify vs health by applying one or more health monitors.
- **health_monitor_scope** - (Optional) Health monitor probe can be executed for all the members or it can be executed only for third-party members.
- **hm_off** - (Optional) This field is an internal field and is used in se.
- **is_federated** - (Optional) This field indicates that this object is replicated across gslb federation.
- **min_members** - (Optional) The minimum number of members to distribute traffic to.
- **num_dns_ip** - (Optional) Number of ip addresses of this gslb service to be returned by the dns service.
- **pool_algorithm** - (Optional) The load balancing algorithm will pick a gslb pool within the gslb service list of available pools.
- **site_persistence_enabled** - (Optional) Enable site-persistence for the gslbservice.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **t11** - (Optional) Ttl value (in seconds) for records served for this gslb service by the dns service.

- **use_edns_client_subnet** - (Optional) Use the client ip subnet from the edns option as source ipaddress for client geo-location and consistent hash algorithm.
- **wildcard_match** - (Optional) Enable wild-card match of fqdn if an exact match is not found in the dns table, the longest match is chosen by wild-carding the fqdn in the dns request.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the gslb service.

» avi_gslb

The Gslb resource allows the creation and management of Avi Gslb

» Example Usage

```
resource "avi_gslb" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name for the gslb object.
- **async_interval** - (Optional) Frequency with which messages are propagated to vs mgr.
- **clear_on_max_retries** - (Optional) Max retries after which the remote site is treated as a fresh start.

- **client_ip_addr_group** - (Optional) Group to specify if the client ip addresses are public or private.
- **description** - (Optional) User defined description for the object.
- **dns_configs** - (Optional) Sub domain configuration for the gslb.
- **error_resync_interval** - (Optional) Frequency with which errored messages are resynced to follower sites.
- **is_federated** - (Optional) This field indicates that this object is replicated across gslb federation.
- **leader_cluster_uuid** - (Optional) Mark this site as leader of gslb configuration.
- **maintenance_mode** - (Optional) This field disables the configuration operations on the leader for all federated objects.
- **send_interval** - (Optional) Frequency with which group members communicate.
- **send_interval_prior_to_maintenance_mode** - (Optional) The user can specify a send-interval while entering maintenance mode.
- **sites** - (Optional) Select avi site member belonging to this gslb.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **third_party_sites** - (Optional) Third party site member belonging to this gslb.
- **view_id** - (Optional) The view-id is used in change-leader mode to differentiate partitioned groups while they have the same gslb namespace.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the gslb object.

» avi_cluster

The Cluster resource allows the creation and management of Avi Cluster

» Example Usage

```
resource "avi_cluster" "foo" {  
  name = "terraform-example-foo"  
  tenant_ref = "/api/tenant/?name=admin"  
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name of the object.
- **nodes** - (Optional) List of list.
- **rejoin_nodes_automatically** - (Optional) Re-join cluster nodes automatically in the event one of the node is reset to factory.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **virtual_ip** - (Optional) A virtual ip address.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» avi_clusterclouddetails

The `ClusterCloudDetails` resource allows the creation and management of Avi `ClusterCloudDetails`

» Example Usage

```
resource "avi_clusterclouddetails" "foo" {  
  name = "terraform-example-foo"  
  tenant_ref = "/api/tenant/?name=admin"
```

```
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Field introduced in 17.2.5.
- **azure_info** - (Optional) Azure info to configure cluster_vip on the controller.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Field introduced in 17.2.5.

» avi_wafpolicy

The WafPolicy resource allows the creation and management of Avi WafPolicy

» Example Usage

```
resource "avi_wafpolicy" "foo" {  
  name = "terraform-example-foo"  
  tenant_ref = "/api/tenant/?name=admin"  
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Field introduced in 17.2.1.

- `allow_mode_delegation` - (Optional) Allow rules to overwrite the policy mode.
- `created_by` - (Optional) Creator name.
- `crs_groups` - (Optional) Waf rules are categorized in to groups based on their characterization.
- `description` - (Optional) Field introduced in 17.2.1.
- `enable_app_learning` - (Optional) Enable application learning for this waf policy.
- `failure_mode` - (Optional) Waf policy failure mode.
- `mode` - (Optional) Waf policy mode.
- `paranoia_level` - (Optional) Waf ruleset paranoia mode.
- `positive_security_model` - (Optional) The positive security model.
- `post_crs_groups` - (Optional) Waf rules are categorized in to groups based on their characterization.
- `pre_crs_groups` - (Optional) Waf rules are categorized in to groups based on their characterization.
- `tenant_ref` - (Optional) It is a reference to an object of type tenant.
- `waf_crs_ref` - (Optional) Waf core ruleset used for the crs part of this policy.
- `waf_profile_ref` - (Optional) Waf profile for waf policy.
- `whitelist` - (Optional) A set of rules which describe conditions under which the request will bypass the waf.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Field introduced in 17.2.1.

» `avi_wafcrs`

The WafCRS resource allows the creation and management of Avi WafCRS

» Example Usage

```
resource "avi_wafcrs" "foo" {  
    name = "terraform-example-foo"  
    tenant_ref = "/api/tenant/?name=admin"  
}
```

» Argument Reference

The following arguments are supported:

- **description** - (Optional) A short description of this ruleset.
- **groups** - (Optional) Waf rules are sorted in groups based on their characterization.
- **integrity** - (Optional) Integrity protection value.
- **name** - (Optional) The name of this ruleset object.
- **release_date** - (Optional) The release date of this version in rfc 3339 / iso 8601 format.
- **tenant_ref** - (Optional) Tenant that this object belongs to.
- **version** - (Optional) The version of this ruleset object.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Field introduced in 18.1.1.

» avi_wafprofile

The WafProfile resource allows the creation and management of Avi WafProfile

» Example Usage

```
resource "avi_wafprofile" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Field introduced in 17.2.1.
- **config** - (Optional) Config params for waf.
- **description** - (Optional) Field introduced in 17.2.1.
- **files** - (Optional) List of data files used for waf rules.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Field introduced in 17.2.1.

» avi_wafpolicypsmgroup

The WafPolicyPSMGroup resource allows the creation and management of Avi WafPolicyPSMGroup

» Example Usage

```
resource "avi_wafpolicypsmgroup" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```


» Argument Reference

The following arguments are supported:

- **description** - (Optional) Freetext comment about this group.
- **enable** - (Optional) Enable or disable this waf rule group.
- **hit_action** - (Optional) If a rule in this group matches the `match_value` pattern, this action will be executed.
- **is_learning_group** - (Optional) This field indicates that this group is used for learning.
- **locations** - (Optional) Positive security model locations.
- **miss_action** - (Optional) If a rule in this group does not match the `match_value` pattern, this action will be executed.
- **name** - (Optional) User defined name of the group.
- **tenant_ref** - (Optional) Tenant that this object belongs to.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of this object.

» `avi_snmptrapprofile`

The `SnmpTrapProfile` resource allows the creation and management of `Avi SnmpTrapProfile`

» Example Usage

```
resource "avi_snmptrapprofile" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) A user-friendly name of the snmp trap configuration.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **trap_servers** - (Optional) The ip address or hostname of the snmp trap destination server.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the snmp trap profile object.

» avi_systemconfiguration

The SystemConfiguration resource allows the creation and management of Avi SystemConfiguration

» Example Usage

```
resource "avi_systemconfiguration" "foo" {  
  name = "terraform-example-foo"  
  tenant_ref = "/api/tenant/?name=admin"  
}
```

» Argument Reference

The following arguments are supported:

- **admin_auth_configuration** - (Optional) Dict settings for systemconfiguration.
- **default_license_tier** - (Optional) Specifies the default license tier which would be used by new clouds.

- `dns_configuration` - (Optional) Dict settings for systemconfiguration.
- `dns_virtualservice_refs` - (Optional) Dns virtualservices hosting fqdn records for applications across avi vantage.
- `docker_mode` - (Optional) Boolean flag to set docker_mode.
- `email_configuration` - (Optional) Dict settings for systemconfiguration.
- `global_tenant_config` - (Optional) Dict settings for systemconfiguration.
- `linux_configuration` - (Optional) Dict settings for systemconfiguration.
- `mgmt_ip_access_control` - (Optional) Configure ip access control for controller to restrict open access.
- `ntp_configuration` - (Optional) Dict settings for systemconfiguration.
- `portal_configuration` - (Optional) Dict settings for systemconfiguration.
- `proxy_configuration` - (Optional) Dict settings for systemconfiguration.
- `secure_channel_configuration` - (Optional) Configure secure channel properties.
- `snmp_configuration` - (Optional) Dict settings for systemconfiguration.
- `ssh_ciphers` - (Optional) Allowed ciphers list for ssh to the management interface on the controller and service engines.
- `ssh_hmacs` - (Optional) Allowed hmac list for ssh to the management interface on the controller and service engines.
- `welcome_workflow_complete` - (Optional) This flag is set once the initial controller setup workflow is complete.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Unique object identifier of the object.

» `avi_controllersite`

The `ControllerSite` resource allows the creation and management of `Avi ControllerSite`

» Example Usage

```
resource "avi_controllersite" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **address** - (Optional) Ip address or a dns resolvable, fully qualified domain name of the site controller cluster.
- **name** - (Optional) Name for the site controller cluster.
- **port** - (Optional) The controller site cluster's rest api port number.
- **tenant_ref** - (Optional) Reference for the tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Reference for the site controller cluster.

» avi_networkprofile

The `NetworkProfile` resource allows the creation and management of Avi `NetworkProfile`

» Example Usage

```
resource "avi_networkprofile" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) The name of the network profile.
- **profile** - (Required) Dict settings for networkprofile.
- **connection_mirror** - (Optional) When enabled, avi mirrors all tcp fast-path connections to standby.
- **description** - (Optional) User defined description for the object.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the network profile.

» avi__errorpagebody

The `ErrorPageBody` resource allows the creation and management of Avi Error-PageBody

» Example Usage

```
resource "avi_errorpagebody" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **error_page_body** - (Optional) Error page body sent to client when match.
- **format** - (Optional) Format of an error page body html or json.

- **name** - (Optional) Field introduced in 17.2.4.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Field introduced in 17.2.4.

» avi_errorpageprofile

The **ErrorPageProfile** resource allows the creation and management of **Avi ErrorPageProfile**

» Example Usage

```
resource "avi_errorpageprofile" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **error_pages** - (Optional) Defined error pages for http status codes.
- **name** - (Optional) Field introduced in 17.2.4.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI

- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Field introduced in 17.2.4.

» avi_controllerproperties

The ControllerProperties resource allows the creation and management of Avi ControllerProperties

» Example Usage

```
resource "avi_controllerproperties" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **allow_ip_forwarding** - (Optional) Field introduced in 17.1.1.
- **allow_unauthenticated_apis** - (Optional) Allow unauthenticated access for special apis.
- **allow_unauthenticated_nodes** - (Optional) Boolean flag to set allow_unauthenticated_nodes.
- **api_idle_timeout** - (Optional) Allowed values are 0-1440.
- **api_perf_logging_threshold** - (Optional) Threshold to log request timing in portal_performance.log and server-timing response header.
- **appviewx_compat_mode** - (Optional) Export configuration in appviewx compatibility mode.
- **attach_ip_retry_interval** - (Optional) Placeholder for description of property attach_ip_retry_interval of obj type controllerproperties field type integer type int.
- **attach_ip_retry_limit** - (Optional) Placeholder for description of property attach_ip_retry_limit of obj type controllerproperties field type integer type int.
- **bm_use_ansible** - (Optional) Use ansible for se creation in baremetal.

- `cleanup_expired_auth_token_timeout_period` - (Optional) Period for auth token cleanup job.
- `cleanup_sessions_timeout_period` - (Optional) Period for sessions cleanup job.
- `cloud_reconcile` - (Optional) Enable/disable periodic reconcile for all the clouds.
- `cluster_ip_gratuitous_arp_period` - (Optional) Period for cluster ip gratuitous arp job.
- `consistency_check_timeout_period` - (Optional) Period for consistency check job.
- `crashed_se_reboot` - (Optional) Placeholder for description of property `crashed_se_reboot` of obj type `controllerproperties` field type integer type int.
- `dead_se_detection_timer` - (Optional) Placeholder for description of property `dead_se_detection_timer` of obj type `controllerproperties` field type integer type int.
- `dns_refresh_period` - (Optional) Period for refresh pool and gslb dns job.
- `dummy` - (Optional) Placeholder for description of property `dummy` of obj type `controllerproperties` field type integer type int.
- `enable_api_sharding` - (Optional) This setting enables the controller leader to shard api requests to the followers (if any).
- `enable_memory_balancer` - (Optional) Enable/disable memory balancer.
- `fatal_error_lease_time` - (Optional) Placeholder for description of property `fatal_error_lease_time` of obj type `controllerproperties` field type integer type int.
- `max_dead_se_in_grp` - (Optional) Placeholder for description of property `max_dead_se_in_grp` of obj type `controllerproperties` field type integer type int.
- `max_pcap_per_tenant` - (Optional) Maximum number of pcap files stored per tenant.
- `max_seq_attach_ip_failures` - (Optional) Maximum number of consecutive attach ip failures that halts vs placement.
- `max_seq_vnic_failures` - (Optional) Placeholder for description of property `max_seq_vnic_failures` of obj type `controllerproperties` field type integer type int.
- `persistence_key_rotate_period` - (Optional) Period for rotate app persistence keys job.
- `portal_token` - (Optional) Token used for uploading tech-support to portal.
- `process_locked_useraccounts_timeout_period` - (Optional) Period for process locked user accounts job.
- `process_pki_profile_timeout_period` - (Optional) Period for process pki profile job.
- `query_host_fail` - (Optional) Placeholder for description of property `query_host_fail` of obj type `controllerproperties` field type integer type

int.

- **safenet_hsm_version** - (Optional) Version of the safenet package installed on the controller.
- **se_create_timeout** - (Optional) Placeholder for description of property `se_create_timeout` of obj type `controllerproperties` field type integer type int.
- **se_failover_attempt_interval** - (Optional) Interval between attempting failovers to an se.
- **se_from_marketplace** - (Optional) This setting decides whether se is to be deployed from the cloud marketplace or to be created by the controller.
- **se_offline_del** - (Optional) Placeholder for description of property `se_offline_del` of obj type `controllerproperties` field type integer type int.
- **se_vnic_cooldown** - (Optional) Placeholder for description of property `se_vnic_cooldown` of obj type `controllerproperties` field type integer type int.
- **secure_channel_cleanup_timeout** - (Optional) Period for secure channel cleanup job.
- **secure_channel_controller_token_timeout** - (Optional) Placeholder for description of property `secure_channel_controller_token_timeout` of obj type `controllerproperties` field type integer type int.
- **secure_channel_se_token_timeout** - (Optional) Placeholder for description of property `secure_channel_se_token_timeout` of obj type `controllerproperties` field type integer type int.
- **seupgrade_fabric_pool_size** - (Optional) Pool size used for all fabric commands during se upgrade.
- **seupgrade_segroup_min_dead_timeout** - (Optional) Time to wait before marking segroup upgrade as stuck.
- **ssl_certificate_expiry_warning_days** - (Optional) Number of days for ssl certificate expiry warning.
- **unresponsive_se_reboot** - (Optional) Placeholder for description of property `unresponsive_se_reboot` of obj type `controllerproperties` field type integer type int.
- **upgrade_dns_ttl** - (Optional) Time to account for dns ttl during upgrade.
- **upgrade_lease_time** - (Optional) Placeholder for description of property `upgrade_lease_time` of obj type `controllerproperties` field type integer type int.
- **vnic_op_fail_time** - (Optional) Placeholder for description of property `vnic_op_fail_time` of obj type `controllerproperties` field type integer type int.
- **vs_apic_scaleout_timeout** - (Optional) Time to wait for the scaled out se to become ready before marking the scaleout done, applies to apic configuration only.
- **vs_awaiting_se_timeout** - (Optional) Placeholder for description of property `vs_awaiting_se_timeout` of obj type `controllerproperties` field type integer type int.
- **vs_key_rotate_period** - (Optional) Period for rotate vs keys job.

- `vs_scaleout_ready_check_interval` - (Optional) Interval for checking `scaleout_ready` status while controller is waiting for `scaleoutready` rpc from the service engine.
- `vs_se_attach_ip_fail` - (Optional) Time to wait before marking attach ip operation on an se as failed.
- `vs_se_bootup_fail` - (Optional) Placeholder for description of property `vs_se_bootup_fail` of obj type `controllerproperties` field type integer type int.
- `vs_se_create_fail` - (Optional) Placeholder for description of property `vs_se_create_fail` of obj type `controllerproperties` field type integer type int.
- `vs_se_ping_fail` - (Optional) Placeholder for description of property `vs_se_ping_fail` of obj type `controllerproperties` field type integer type int.
- `vs_se_vnic_fail` - (Optional) Placeholder for description of property `vs_se_vnic_fail` of obj type `controllerproperties` field type integer type int.
- `vs_se_vnic_ip_fail` - (Optional) Placeholder for description of property `vs_se_vnic_ip_fail` of obj type `controllerproperties` field type integer type int.
- `warmstart_se_reconnect_wait_time` - (Optional) Placeholder for description of property `warmstart_se_reconnect_wait_time` of obj type `controllerproperties` field type integer type int.
- `warmstart_vs_resync_wait_time` - (Optional) Timeout for warmstart vs resync.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Unique object identifier of the object.

» `avi__healthmonitor`

The `HealthMonitor` resource allows the creation and management of `Avi Health-Monitor`

» Example Usage

```
resource "avi_healthmonitor" "foo" {  
    name = "terraform-example-foo"  
    tenant_ref = "/api/tenant/?name=admin"  
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) A user friendly name for this health monitor.
- **type** - (Required) Type of the health monitor.
- **description** - (Optional) User defined description for the object.
- **dns_monitor** - (Optional) Dict settings for healthmonitor.
- **external_monitor** - (Optional) Dict settings for healthmonitor.
- **failed_checks** - (Optional) Number of continuous failed health checks before the server is marked down.
- **http_monitor** - (Optional) Dict settings for healthmonitor.
- **https_monitor** - (Optional) Dict settings for healthmonitor.
- **is_federated** - (Optional) This field describes the object's replication scope.
- **monitor_port** - (Optional) Use this port instead of the port defined for the server in the pool.
- **radius_monitor** - (Optional) Health monitor for radius.
- **receive_timeout** - (Optional) A valid response from the server is expected within the receive timeout window.
- **send_interval** - (Optional) Frequency, in seconds, that monitors are sent to a server.
- **sip_monitor** - (Optional) Health monitor for sip.
- **successful_checks** - (Optional) Number of continuous successful health checks before server is marked up.
- **tcp_monitor** - (Optional) Dict settings for healthmonitor.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **udp_monitor** - (Optional) Dict settings for healthmonitor.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Uuid of the health monitor.

» `avi_analyticsprofile`

The AnalyticsProfile resource allows the creation and management of Avi AnalyticsProfile

» Example Usage

```
resource "avi_analyticsprofile" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) The name of the analytics profile.
- `apdex_response_threshold` - (Optional) If a client receives an http response in less than the satisfactory latency threshold, the request is considered satisfied.
- `apdex_response_tolerated_factor` - (Optional) Client tolerated response latency factor.
- `apdex_rtt_threshold` - (Optional) Satisfactory client to avi round trip time(rtt).
- `apdex_rtt_tolerated_factor` - (Optional) Tolerated client to avi round trip time(rtt) factor.
- `apdex_rum_threshold` - (Optional) If a client is able to load a page in less than the satisfactory latency threshold, the pageload is considered satisfied.
- `apdex_rum_tolerated_factor` - (Optional) Virtual service threshold factor for tolerated page load time (plt) as multiple of `apdex_rum_threshold`.
- `apdex_server_response_threshold` - (Optional) A server http response is considered satisfied if latency is less than the satisfactory latency threshold.
- `apdex_server_response_tolerated_factor` - (Optional) Server tolerated response latency factor.

- **apdex_server_rtt_threshold** - (Optional) Satisfactory client to avi round trip time(rtt).
- **apdex_server_rtt_tolerated_factor** - (Optional) Tolerated client to avi round trip time(rtt) factor.
- **client_log_config** - (Optional) Configure which logs are sent to the avi controller from ses and how they are processed.
- **client_log_streaming_config** - (Optional) Configure to stream logs to an external server.
- **conn_lossy_ooo_threshold** - (Optional) A connection between client and avi is considered lossy when more than this percentage of out of order packets are received.
- **conn_lossy_timeo_rexmt_threshold** - (Optional) A connection between client and avi is considered lossy when more than this percentage of packets are retransmitted due to timeout.
- **conn_lossy_total_rexmt_threshold** - (Optional) A connection between client and avi is considered lossy when more than this percentage of packets are retransmitted.
- **conn_lossy_zero_win_size_event_threshold** - (Optional) A client connection is considered lossy when percentage of times a packet could not be trasmitted due to tcp zero window is above this threshold.
- **conn_server_lossy_ooo_threshold** - (Optional) A connection between avi and server is considered lossy when more than this percentage of out of order packets are received.
- **conn_server_lossy_timeo_rexmt_threshold** - (Optional) A connection between avi and server is considered lossy when more than this percentage of packets are retransmitted due to timeout.
- **conn_server_lossy_total_rexmt_threshold** - (Optional) A connection between avi and server is considered lossy when more than this percentage of packets are retransmitted.
- **conn_server_lossy_zero_win_size_event_threshold** - (Optional) A server connection is considered lossy when percentage of times a packet could not be trasmitted due to tcp zero window is above this threshold.
- **description** - (Optional) User defined description for the object.
- **disable_ondemand_metrics** - (Optional) Virtual service (vs) metrics are processed only when there is live data traffic on the vs.
- **disable_se_analytics** - (Optional) Disable node (service engine) level analytics forvs metrics.
- **disable_server_analytics** - (Optional) Disable analytics on backend servers.
- **disable_vs_analytics** - (Optional) Disable virtualservice (frontend) analytics.
- **enable_advanced_analytics** - (Optional) Enables advanced analytics features like anomaly detection.
- **exclude_client_close_before_request_as_error** - (Optional) Exclude client closed connection before an http request could be completed from being classified as an error.

- `exclude_dns_policy_drop_as_significant` - (Optional) Exclude dns policy drops from the list of errors.
- `exclude_gs_down_as_error` - (Optional) Exclude queries to gslb services that are operationally down from the list of errors.
- `exclude_http_error_codes` - (Optional) List of http status codes to be excluded from being classified as an error.
- `exclude_invalid_dns_domain_as_error` - (Optional) Exclude dns queries to domains outside the domains configured in the dns application profile from the list of errors.
- `exclude_invalid_dns_query_as_error` - (Optional) Exclude invalid dns queries from the list of errors.
- `exclude_no_dns_record_as_error` - (Optional) Exclude queries to domains that did not have configured services/records from the list of errors.
- `exclude_no_valid_gs_member_as_error` - (Optional) Exclude queries to gslb services that have no available members from the list of errors.
- `exclude_persistence_change_as_error` - (Optional) Exclude persistence server changed while load balancing' from the list of errors.
- `exclude_server_dns_error_as_error` - (Optional) Exclude server dns error response from the list of errors.
- `exclude_server_tcp_reset_as_error` - (Optional) Exclude server tcp reset from errors.
- `exclude_sip_error_codes` - (Optional) List of sip status codes to be excluded from being classified as an error.
- `exclude_syn_retransmit_as_error` - (Optional) Exclude 'server unanswered syns' from the list of errors.
- `exclude_tcp_reset_as_error` - (Optional) Exclude tcp resets by client from the list of potential errors.
- `exclude_unsupported_dns_query_as_error` - (Optional) Exclude unsupported dns queries from the list of errors.
- `healthscore_max_server_limit` - (Optional) Skips health score computation of pool servers when number of servers in a pool is more than this setting.
- `hs_event_throttle_window` - (Optional) Time window (in secs) within which only unique health change events should occur.
- `hs_max_anomaly_penalty` - (Optional) Maximum penalty that may be deducted from health score for anomalies.
- `hs_max_resources_penalty` - (Optional) Maximum penalty that may be deducted from health score for high resource utilization.
- `hs_max_security_penalty` - (Optional) Maximum penalty that may be deducted from health score based on security assessment.
- `hs_min_dos_rate` - (Optional) Dos connection rate below which the dos security assessment will not kick in.
- `hs_performance_boost` - (Optional) Adds free performance score credits to health score.
- `hs_pscore_traffic_threshold_14_client` - (Optional) Threshold number of connections in 5min, below which apdexr, apdexc, rum_apdex, and

other network quality metrics are not computed.

- **hs_pscore_traffic_threshold_14_server** - (Optional) Threshold number of connections in 5min, below which apdexr, apdexc, rum_apdex, and other network quality metrics are not computed.
- **hs_security_certscore_expired** - (Optional) Score assigned when the certificate has expired.
- **hs_security_certscore_gt30d** - (Optional) Score assigned when the certificate expires in more than 30 days.
- **hs_security_certscore_le07d** - (Optional) Score assigned when the certificate expires in less than or equal to 7 days.
- **hs_security_certscore_le30d** - (Optional) Score assigned when the certificate expires in less than or equal to 30 days.
- **hs_security_chain_invalid_penalty** - (Optional) Penalty for allowing certificates with invalid chain.
- **hs_security_cipherscore_eq000b** - (Optional) Score assigned when the minimum cipher strength is 0 bits.
- **hs_security_cipherscore_ge128b** - (Optional) Score assigned when the minimum cipher strength is greater than equal to 128 bits.
- **hs_security_cipherscore_lt128b** - (Optional) Score assigned when the minimum cipher strength is less than 128 bits.
- **hs_security_encalgo_score_none** - (Optional) Score assigned when no algorithm is used for encryption.
- **hs_security_encalgo_score_rc4** - (Optional) Score assigned when rc4 algorithm is used for encryption.
- **hs_security_hsts_penalty** - (Optional) Penalty for not enabling hsts.
- **hs_security_nonpfs_penalty** - (Optional) Penalty for allowing non-pfs handshakes.
- **hs_security_selfsignedcert_penalty** - (Optional) Deprecated.
- **hs_security_ssl30_score** - (Optional) Score assigned when supporting ssl3.0 encryption protocol.
- **hs_security_tls10_score** - (Optional) Score assigned when supporting tls1.0 encryption protocol.
- **hs_security_tls11_score** - (Optional) Score assigned when supporting tls1.1 encryption protocol.
- **hs_security_tls12_score** - (Optional) Score assigned when supporting tls1.2 encryption protocol.
- **hs_security_weak_signature_algo_penalty** - (Optional) Penalty for allowing weak signature algorithm(s).
- **ondemand_metrics_idle_timeout** - (Optional) This flag sets the time duration of no live data traffic after which virtual service metrics processing is suspended.
- **ranges** - (Optional) List of http status code ranges to be excluded from being classified as an error.
- **resp_code_block** - (Optional) Block of http response codes to be excluded from being classified as an error.
- **sensitive_log_profile** - (Optional) Rules applied to the http applica-

tion log for filtering sensitive information.

- **sip_log_depth** - (Optional) Maximum number of sip messages added in logs for a sip transaction.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the analytics profile.

» avi__cloud

The Cloud resource allows the creation and management of Avi Cloud

» Example Usage

```
resource "avi_cloud" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name of the object.
- **vtype** - (Required) Cloud type.
- **apic_configuration** - (Optional) Dict settings for cloud.
- **apic_mode** - (Optional) Boolean flag to set apic_mode.
- **autoscale_polling_interval** - (Optional) Cloudconnector polling interval in seconds for external autoscale groups, minimum 60 seconds.
- **aws_configuration** - (Optional) Dict settings for cloud.
- **azure_configuration** - (Optional) Field introduced in 17.2.1.

- `cloudstack_configuration` - (Optional) Dict settings for cloud.
- `custom_tags` - (Optional) Custom tags for all avi created resources in the cloud infrastructure.
- `dhcp_enabled` - (Optional) Select the ip address management scheme.
- `dns_provider_ref` - (Optional) Dns profile for the cloud.
- `docker_configuration` - (Optional) Dict settings for cloud.
- `east_west_dns_provider_ref` - (Optional) Dns profile for east-west services.
- `east_west_ipam_provider_ref` - (Optional) Ipam profile for east-west services.
- `enable_vip_static_routes` - (Optional) Use static routes for vip side network resolution during virtualservice placement.
- `gcp_configuration` - (Optional) Google cloud platform configuration.
- `ip6_autocfg_enabled` - (Optional) Enable ipv6 auto configuration.
- `ipam_provider_ref` - (Optional) Ipam profile for the cloud.
- `license_tier` - (Optional) Specifies the default license tier which would be used by new se groups.
- `license_type` - (Optional) If no license type is specified then default license enforcement for the cloud type is chosen.
- `linuxserver_configuration` - (Optional) Dict settings for cloud.
- `mtu` - (Optional) Mtu setting for the cloud.
- `nsx_configuration` - (Optional) Configuration parameters for nsx manager.
- `obj_name_prefix` - (Optional) Default prefix for all automatically created objects in this cloud.
- `openstack_configuration` - (Optional) Dict settings for cloud.
- `oshiftk8s_configuration` - (Optional) Dict settings for cloud.
- `prefer_static_routes` - (Optional) Prefer static routes over interface routes during virtualservice placement.
- `proxy_configuration` - (Optional) Dict settings for cloud.
- `rancher_configuration` - (Optional) Dict settings for cloud.
- `se_group_template_ref` - (Optional) The service engine group to use as template.
- `state_based_dns_registration` - (Optional) Dns records for vips are added/deleted based on the operational state of the vips.
- `tenant_ref` - (Optional) It is a reference to an object of type tenant.
- `vca_configuration` - (Optional) Dict settings for cloud.
- `vcenter_configuration` - (Optional) Dict settings for cloud.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI

- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Unique object identifier of the object.

» `avi_cloudconnectoruser`

The `CloudConnectorUser` resource allows the creation and management of `Avi CloudConnectorUser`

» Example Usage

```
resource "avi_cloudconnectoruser" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) Name of the object.
- `azure_serviceprincipal` - (Optional) Field introduced in 17.2.1.
- `azure_userpass` - (Optional) Field introduced in 17.2.1.
- `gcp_credentials` - (Optional) Credentials for google cloud platform.
- `oci_credentials` - (Optional) Credentials for oracle cloud infrastructure.
- `password` - (Optional) Placeholder for description of property password of obj type `cloudconnectoruser` field type string type str.
- `private_key` - (Optional) Placeholder for description of property `private_key` of obj type `cloudconnectoruser` field type string type str.
- `public_key` - (Optional) Placeholder for description of property `public_key` of obj type `cloudconnectoruser` field type string type str.
- `tenant_ref` - (Optional) It is a reference to an object of type `tenant`.
- `tencent_credentials` - (Optional) Credentials for tencent cloud.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» avi_virtualservice

The VirtualService resource allows the creation and management of Avi VirtualService

» Example Usage

```
resource "avi_virtualservice" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name for the virtual service.
- **active_standby_se_tag** - (Optional) This configuration only applies if the virtualservice is in legacy active standby ha mode and load distribution among active standby is enabled.
- **allow_invalid_client_cert** - (Optional) Process request even if invalid client certificate is presented.
- **analytics_policy** - (Optional) Determines analytics settings for the application.
- **analytics_profile_ref** - (Optional) Specifies settings related to analytics.
- **apic_contract_graph** - (Optional) The name of the contract/graph associated with the virtual service.
- **application_profile_ref** - (Optional) Enable application layer specific features for the virtual service.
- **bulk_sync_kvcache** - (Optional) (this is a beta feature).

- **client_auth** - (Optional) Http authentication configuration for protected resources.
- **close_client_conn_on_config_update** - (Optional) Close client connection on vs config update.
- **cloud_config_cksum** - (Optional) Checksum of cloud configuration for vs.
- **cloud_ref** - (Optional) It is a reference to an object of type cloud.
- **cloud_type** - (Optional) Enum options - cloud_none, cloud_vcenter, cloud_openstack, cloud_aws, cloud_vca, cloud_apic, cloud_mesos, cloud_linuxserver, cloud_docker_ucp, cloud_rancher, cloud_oshift_k8s, cloud_azure, cloud_gcp.
- **connections_rate_limit** - (Optional) Rate limit the incoming connections to this virtual service.
- **content_rewrite** - (Optional) Profile used to match and rewrite strings in request and/or response body.
- **created_by** - (Optional) Creator name.
- **delay_fairness** - (Optional) Select the algorithm for qos fairness.
- **description** - (Optional) User defined description for the object.
- **dns_info** - (Optional) Service discovery specific data including fully qualified domain name, type and time-to-live of the dns record.
- **dns_policies** - (Optional) Dns policies applied on the dns traffic of the virtual service.
- **east_west_placement** - (Optional) Force placement on all se's in service group (mesos mode only).
- **enable_autogw** - (Optional) Response traffic to clients will be sent back to the source mac address of the connection, rather than statically sent to a default gateway.
- **enable_rhi** - (Optional) Enable route health injection using the bgp config in the vrf context.
- **enable_rhi_snat** - (Optional) Enable route health injection for source nat'ted floating ip address using the bgp config in the vrf context.
- **enabled** - (Optional) Enable or disable the virtual service.
- **error_page_profile_ref** - (Optional) Error page profile to be used for this virtualservice. this profile is used to send the custom error page to the client generated by the proxy.
- **flow_dist** - (Optional) Criteria for flow distribution among ses.
- **flow_label_type** - (Optional) Criteria for flow labelling.
- **fqdn** - (Optional) Dns resolvable, fully qualified domain name of the virtualservice.
- **host_name_xlate** - (Optional) Translate the host name sent to the servers to this value.
- **http_policies** - (Optional) Http policies applied on the data traffic of the virtual service.
- **ign_pool_net_reach** - (Optional) Ignore pool servers network reachability constraints for virtual service placement.
- **l4_policies** - (Optional) L4 policies applied to the data traffic of the

virtual service.

- **limit_doser** - (Optional) Limit potential dos attackers who exceed **max_cps_per_client** significantly to a fraction of **max_cps_per_client** for a while.
- **max_cps_per_client** - (Optional) Maximum connections per second per client ip.
- **microservice_ref** - (Optional) Microservice representing the virtual service.
- **min_pools_up** - (Optional) Minimum number of up pools to mark vs up.
- **network_profile_ref** - (Optional) Determines network settings such as protocol, tcp or udp, and related options for the protocol.
- **network_security_policy_ref** - (Optional) Network security policies for the virtual service.
- **nsx_securitygroup** - (Optional) A list of nsx service groups representing the clients which can access the virtual ip of the virtual service.
- **performance_limits** - (Optional) Optional settings that determine performance limits like max connections or bandwidth etc.
- **pool_group_ref** - (Optional) The pool group is an object that contains pools.
- **pool_ref** - (Optional) The pool is an object that contains destination servers and related attributes such as load-balancing and persistence.
- **remove_listening_port_on_vs_down** - (Optional) Remove listening port if virtualservice is down.
- **requests_rate_limit** - (Optional) Rate limit the incoming requests to this virtual service.
- **saml_sp_config** - (Optional) Application-specific saml config.
- **scaleout_ecmp** - (Optional) Disable re-distribution of flows across service engines for a virtual service.
- **se_group_ref** - (Optional) The service engine group to use for this virtual service.
- **security_policy_ref** - (Optional) Security policy applied on the traffic of the virtual service.
- **server_network_profile_ref** - (Optional) Determines the network settings profile for the server side of tcp proxied connections.
- **service_metadata** - (Optional) Metadata pertaining to the service provided by this virtual service.
- **service_pool_select** - (Optional) Select pool based on destination port.
- **services** - (Optional) List of services defined for this virtual service.
- **sideband_profile** - (Optional) Sideband configuration to be used for this virtualservice.it can be used for sending traffic to sideband vips for external inspection etc.
- **snat_ip** - (Optional) Nat'ted floating source ip address(es) for upstream connection to servers.
- **ssl_key_and_certificate_refs** - (Optional) Select or create one or two certificates, ec and/or rsa, that will be presented to ssl/tls terminated connections.

- **ssl_profile_ref** - (Optional) Determines the set of ssl versions and ciphers to accept for ssl/tls terminated connections.
- **ssl_profile_selectors** - (Optional) Select ssl profile based on client ip address match.
- **ssl_sess_cache_avg_size** - (Optional) Expected number of ssl session cache entries (may be exceeded).
- **sso_policy_ref** - (Optional) The sso policy attached to the virtualservice.
- **static_dns_records** - (Optional) List of static dns records applied to this virtual service.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **topology_policies** - (Optional) Topology policies applied on the dns traffic of the virtual service based onslb topology algorithm.
- **traffic_clone_profile_ref** - (Optional) Server network or list of servers for cloning traffic.
- **traffic_enabled** - (Optional) Knob to enable the virtual service traffic on its assigned service engines.
- **type** - (Optional) Specify if this is a normal virtual service, or if it is the parent or child of an sni-enabled virtual hosted virtual service.
- **use_bridge_ip_as_vip** - (Optional) Use bridge ip as vip on each host in mesos deployments.
- **use_vip_as_snat** - (Optional) Use the virtual ip as the snat ip for health monitoring and sending traffic to the backend servers instead of the service engine interface ip.
- **vh_domain_name** - (Optional) The exact name requested from the client's sni-enabled tls hello domain name field.
- **vh_parent_vs_uuid** - (Optional) Specifies the virtual service acting as virtual hosting (sni) parent.
- **vip** - (Optional) List of virtual service ips.
- **vrf_context_ref** - (Optional) Virtual routing context that the virtual service is bound to.
- **vs_datascripts** - (Optional) Datascripts applied on the data traffic of the virtual service.
- **vsvip_cloud_config_cksum** - (Optional) Checksum of cloud configuration for vsvip.
- **vsvip_ref** - (Optional) Mostly used during the creation of shared vs, this field refers to entities that can be shared across virtual services.
- **waf_policy_ref** - (Optional) Waf policy for the virtual service.
- **weight** - (Optional) The quality of service weight to assign to traffic transmitted from this virtual service.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the virtualservice.

» avi_vsvip

The VsVip resource allows the creation and management of Avi VsVip

» Example Usage

```
resource "avi_vsvip" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name for the vsvip object.
- **cloud_ref** - (Optional) It is a reference to an object of type cloud.
- **dns_info** - (Optional) Service discovery specific data including fully qualified domain name, type and time-to-live of the dns record.
- **east_west_placement** - (Optional) Force placement on all service engines in the service engine group (container clouds only).
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **use_standard_alb** - (Optional) This overrides the cloud level default and needs to match the se group value in which it will be used if the se group use_standard_alb value is set.
- **vip** - (Optional) List of virtual service ips and other shareable entities.
- **vrf_context_ref** - (Optional) Virtual routing context that the virtual service is bound to.
- **vsvip_cloud_config_cksum** - (Optional) Checksum of cloud configuration for vsvip.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Uuid of the vsvip object.

» avi_alertsyslogconfig

The `AlertSyslogConfig` resource allows the creation and management of `Avi AlertSyslogConfig`

» Example Usage

```
resource "avi_alertsyslogconfig" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) A user-friendly name of the syslog notification.
- `description` - (Optional) User defined description for alert syslog config.
- `syslog_servers` - (Optional) The list of syslog servers.
- `tenant_ref` - (Optional) It is a reference to an object of type `tenant`.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Unique object identifier of the object.

» `avi_alertscriptconfig`

The `AlertScriptConfig` resource allows the creation and management of `Avi AlertScriptConfig`

» Example Usage

```
resource "avi_alertscriptconfig" "foo" {  
  name = "terraform-example-foo"  
  tenant_ref = "/api/tenant/?name=admin"  
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) A user-friendly name of the script.
- `action_script` - (Optional) User defined alert action script.
- `tenant_ref` - (Optional) It is a reference to an object of type `tenant`.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Unique object identifier of the object.

» **avi__alertconfig**

The AlertConfig resource allows the creation and management of Avi AlertConfig

» **Example Usage**

```
resource "avi_alertconfig" "foo" {  
    name = "terraform-example-foo"  
    tenant_ref = "/api/tenant/?name=admin"  
}
```

» **Argument Reference**

The following arguments are supported:

- **alert_rule** - (Required) List of filters matching on events or client logs used for triggering alerts.
- **category** - (Required) Determines whether an alert is raised immediately when event occurs (realtime) or after specified number of events occurs within rolling time window.
- **name** - (Required) Name of the alert configuration.
- **source** - (Required) Signifies system events or the type of client logs used in this alert configuration.
- **action_group_ref** - (Optional) The alert config will trigger the selected alert action, which can send notifications and execute a controlsript.
- **autoscale_alert** - (Optional) This alert config applies to auto scale alerts.
- **description** - (Optional) A custom description field.
- **enabled** - (Optional) Enable or disable this alert config from generating new alerts.
- **expiry_time** - (Optional) An alert is expired and deleted after the expiry time has elapsed.
- **obj_uuid** - (Optional) Uuid of the resource for which alert was raised.
- **object_type** - (Optional) The object type to which the alert config is associated with.
- **recommendation** - (Optional) Placeholder for description of property recommendation of obj type alertconfig field type string type str.
- **rolling_window** - (Optional) Only if the number of events is reached or exceeded within the time window will an alert be generated.
- **summary** - (Optional) Summary of reason why alert is generated.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **threshold** - (Optional) An alert is created only when the number of events meets or exceeds this number within the chosen time frame.

- **throttle** - (Optional) Alerts are suppressed (throttled) for this duration of time since the last alert was raised for this alert config.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» avi_actiongroupconfig

The `ActionGroupConfig` resource allows the creation and management of Avi `ActionGroupConfig`

» Example Usage

```
resource "avi_actiongroupconfig" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **external_only** - (Required) Generate alert only to external destinations.
- **level** - (Required) When an alert is generated, mark its priority via the alert level.
- **name** - (Required) Name of the object.
- **action_script_config_ref** - (Optional) Reference of the action script configuration to be used.
- **autoscale_trigger_notification** - (Optional) Trigger notification to autoscale manager.
- **description** - (Optional) User defined description for the object.

- **email_config_ref** - (Optional) Select the email notification configuration to use when sending alerts via email.
- **snmp_trap_profile_ref** - (Optional) Select the snmp trap notification to use when sending alerts via snmp trap.
- **syslog_config_ref** - (Optional) Select the syslog notification configuration to use when sending alerts via syslog.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» avi_alertemailconfig

The **AlertEmailConfig** resource allows the creation and management of **Avi AlertEmailConfig**

» Example Usage

```
resource "avi_alertemailconfig" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) A user-friendly name of the email notification service.
- **to_emails** - (Required) Alerts are sent to the comma separated list of email recipients.

- **cc_emails** - (Optional) Alerts are copied to the comma separated list of email recipients.
- **description** - (Optional) User defined description for the object.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» avi_vsdatascriptset

The VSDataset resource allows the creation and management of Avi VS-DataSet

» Example Usage

```
resource "avi_vsdatascriptset" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name for the virtual service datascript collection.
- **created_by** - (Optional) Creator name.
- **datascript** - (Optional) Datascripts to execute.
- **description** - (Optional) User defined description for the object.
- **ipgroup_refs** - (Optional) Uuid of ip groups that could be referred by vsdatascriptset objects.

- **pool_group_refs** - (Optional) Uuid of pool groups that could be referred by vsdatascriptset objects.
- **pool_refs** - (Optional) Uuid of pools that could be referred by vsdatascriptset objects.
- **protocol_parser_refs** - (Optional) List of protocol parsers that could be referred by vsdatascriptset objects.
- **string_group_refs** - (Optional) Uuid of string groups that could be referred by vsdatascriptset objects.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the virtual service datascript collection.

» avi_customipamdnsprofile

The CustomIpamDnsProfile resource allows the creation and management of Avi CustomIpamDnsProfile

» Example Usage

```
resource "avi_customipamdnsprofile" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Optional) Name of the custom ipam dns profile.

- **script_params** - (Optional) Parameters that are always passed to the ipam/dns script.
- **script_uri** - (Optional) Script uri of form controller //ipamdnsscripts/.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Field introduced in 17.1.1.

» avi_ipamdnsproviderprofile

The **IpamDnsProviderProfile** resource allows the creation and management of **Avi IpamDnsProviderProfile**

» Example Usage

```
resource "avi_ipamdnsproviderprofile" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name for the ipam/dns provider profile.
- **type** - (Required) Provider type for the ipam/dns provider profile.
- **allocate_ip_in_vrf** - (Optional) If this flag is set, only allocate ip from networks in the virtual service vrf.
- **aws_profile** - (Optional) Provider details if type is aws.
- **azure_profile** - (Optional) Provider details if type is microsoft azure.
- **custom_profile** - (Optional) Provider details if type is custom.

- `gcp_profile` - (Optional) Provider details if type is google cloud.
- `infoblox_profile` - (Optional) Provider details if type is infoblox.
- `internal_profile` - (Optional) Provider details if type is avi.
- `oci_profile` - (Optional) Provider details for oracle cloud.
- `openstack_profile` - (Optional) Provider details if type is openstack.
- `proxy_configuration` - (Optional) Field introduced in 17.1.1.
- `tenant_ref` - (Optional) It is a reference to an object of type tenant.
- `tencent_profile` - (Optional) Provider details for tencent cloud.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Uuid of the ipam/dns provider profile.

» avi_poolgroup

The PoolGroup resource allows the creation and management of Avi PoolGroup

» Example Usage

```
resource "avi_poolgroup" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) The name of the pool group.
- `cloud_config_cksum` - (Optional) Checksum of cloud configuration for poolgroup.
- `cloud_ref` - (Optional) It is a reference to an object of type cloud.

- **created_by** - (Optional) Name of the user who created the object.
- **deployment_policy_ref** - (Optional) When setup autoscale manager will automatically promote new pools into production when deployment goals are met.
- **description** - (Optional) Description of pool group.
- **fail_action** - (Optional) Enable an action - close connection, http redirect, or local http response - when a pool group failure happens.
- **implicit_priority_labels** - (Optional) Whether an implicit set of priority labels is generated.
- **members** - (Optional) List of pool group members object of type poolgroupmember.
- **min_servers** - (Optional) The minimum number of servers to distribute traffic to.
- **priority_labels_ref** - (Optional) Uuid of the priority labels.
- **service_metadata** - (Optional) Metadata pertaining to the service provided by this poolgroup.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the pool group.

» avi_prioritylabels

The `PriorityLabels` resource allows the creation and management of `Avi PriorityLabels`

» Example Usage

```
resource "avi_prioritylabels" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) The name of the priority labels.
- **cloud_ref** - (Optional) It is a reference to an object of type cloud.
- **description** - (Optional) A description of the priority labels.
- **equivalent_labels** - (Optional) Equivalent priority labels in descending order.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the priority labels.

» avi_poolgroupdeploymentpolicy

The PoolGroupDeploymentPolicy resource allows the creation and management of Avi PoolGroupDeploymentPolicy

» Example Usage

```
resource "avi_poolgroupdeploymentpolicy" "foo" {  
  name = "terraform-example-foo"  
  tenant_ref = "/api/tenant/?name=admin"  
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) The name of the pool group deployment policy.

- **auto_disable_old_prod_pools** - (Optional) It will automatically disable old production pools once there is a new production candidate.
- **description** - (Optional) User defined description for the object.
- **evaluation_duration** - (Optional) Duration of evaluation period for automatic deployment.
- **rules** - (Optional) List of list.
- **scheme** - (Optional) Deployment scheme.
- **target_test_traffic_ratio** - (Optional) Target traffic ratio before pool is made production.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **test_traffic_ratio_rampup** - (Optional) Ratio of the traffic that is sent to the pool under test.
- **webhook_ref** - (Optional) Webhook configured with url that avi controller will pass back information about pool group, old and new pool information and current deployment rule results.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the pool group deployment policy.

» avi__pool

The Pool resource allows the creation and management of Avi Pool

» Example Usage

```
resource "Pool" "foo" {
  name = "terraform-example-foo"
  tenant = "admin"
}
```

» Argument Reference

The following arguments are supported:

- * ``apic_epg_name`` - (Optional) argument_description.
- * ``application_persistence_profile_ref`` - (Optional) argument_description.
- * ``autoscale_launch_config_ref`` - (Optional) argument_description.
- * ``autoscale_networks`` - (Optional) argument_description.
- * ``autoscale_policy_ref`` - (Optional) argument_description.
- * ``capacity_estimation`` - (Optional) argument_description.
- * ``capacity_estimation_ttfb_thresh`` - (Optional) argument_description.
- * ``cloud_config_cksum`` - (Optional) argument_description.
- * ``cloud_ref`` - (Optional) argument_description.
- * ``connection_ramp_duration`` - (Optional) argument_description.
- * ``created_by`` - (Optional) argument_description.
- * ``default_server_port`` - (Optional) argument_description.
- * ``description`` - (Optional) argument_description.
- * ``domain_name`` - (Optional) argument_description.
- * ``east_west`` - (Optional) argument_description.
- * ``enabled`` - (Optional) argument_description.
- * ``external_autoscale_groups`` - (Optional) argument_description.
- * ``fail_action`` - (Optional) argument_description.
- * ``fewest_tasks_feedback_delay`` - (Optional) argument_description.
- * ``graceful_disable_timeout`` - (Optional) argument_description.
- * ``health_monitor_refs`` - (Optional) argument_description.
- * ``host_check_enabled`` - (Optional) argument_description.
- * ``inline_health_monitor`` - (Optional) argument_description.
- * ``ipaddrgroup_ref`` - (Optional) argument_description.
- * ``lb_algorithm`` - (Optional) argument_description.
- * ``lb_algorithm_consistent_hash_hdr`` - (Optional) argument_description.
- * ``lb_algorithm_core_nonaffinity`` - (Optional) argument_description.
- * ``lb_algorithm_hash`` - (Optional) argument_description.
- * ``lookup_server_by_name`` - (Optional) argument_description.
- * ``max_concurrent_connections_per_server`` - (Optional) argument_description.
- * ``max_conn_rate_per_server`` - (Optional) argument_description.
- * ``name`` - (Required) argument_description.
- * ``networks`` - (Optional) argument_description.
- * ``nsx_securitygroup`` - (Optional) argument_description.
- * ``pki_profile_ref`` - (Optional) argument_description.
- * ``placement_networks`` - (Optional) argument_description.
- * ``request_queue_depth`` - (Optional) argument_description.
- * ``request_queue_enabled`` - (Optional) argument_description.
- * ``rewrite_host_header_to_server_name`` - (Optional) argument_description.
- * ``rewrite_host_header_to_sni`` - (Optional) argument_description.
- * ``server_count`` - (Optional) argument_description.
- * ``server_name`` - (Optional) argument_description.

```

* `server_reselect` - (Optional ) argument_description.
* `servers` - (Optional ) argument_description.
* `sni_enabled` - (Optional ) argument_description.
* `ssl_key_and_certificate_ref` - (Optional ) argument_description.
* `ssl_profile_ref` - (Optional ) argument_description.
* `tenant_ref` - (Optional ) argument_description.
* `use_service_port` - (Optional ) argument_description.
  * `vrf_ref` - (Optional ) argument_description.

```

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

» avi_network

The `Network` resource allows the creation and management of Avi Network

» Example Usage

```

resource "avi_network" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}

```

» Argument Reference

The following arguments are supported:

- `name` - (Required) Name of the object.
- `cloud_ref` - (Optional) It is a reference to an object of type `cloud`.
- `configured_subnets` - (Optional) List of list.

- `dhcp_enabled` - (Optional) Select the ip address management scheme for this network.
- `exclude_discovered_subnets` - (Optional) When selected, excludes all discovered subnets in this network from consideration for virtual service placement.
- `ip6_autocfg_enabled` - (Optional) Enable ipv6 auto configuration.
- `synced_from_se` - (Optional) Boolean flag to set `synced_from_se`.
- `tenant_ref` - (Optional) It is a reference to an object of type `tenant`.
- `vcenter_dvs` - (Optional) Boolean flag to set `vcenter_dvs`.
- `vrf_context_ref` - (Optional) It is a reference to an object of type `vrf-context`.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Unique object identifier of the object.

» `avi_serverautoscalepolicy`

The `ServerAutoScalePolicy` resource allows the creation and management of `Avi ServerAutoScalePolicy`

» Example Usage

```
resource "avi_serverautoscalepolicy" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **name** - (Required) Name of the object.
- **description** - (Optional) User defined description for the object.
- **intelligent_autoscale** - (Optional) Use avi intelligent autoscale algorithm where autoscale is performed by comparing load on the pool against estimated capacity of all the servers.
- **intelligent_scalein_margin** - (Optional) Maximum extra capacity as percentage of load used by the intelligent scheme.
- **intelligent_scaleout_margin** - (Optional) Minimum extra capacity as percentage of load used by the intelligent scheme.
- **max_scalein_adjustment_step** - (Optional) Maximum number of servers to scalein simultaneously.
- **max_scaleout_adjustment_step** - (Optional) Maximum number of servers to scaleout simultaneously.
- **max_size** - (Optional) Maximum number of servers after scaleout.
- **min_size** - (Optional) No scale-in happens once number of operationally up servers reach min_servers.
- **scalein_alertconfig_refs** - (Optional) Trigger scalein when alerts due to any of these alert configurations are raised.
- **scalein_cooldown** - (Optional) Cooldown period during which no new scalein is triggered to allow previous scalein to successfully complete.
- **scaleout_alertconfig_refs** - (Optional) Trigger scaleout when alerts due to any of these alert configurations are raised.
- **scaleout_cooldown** - (Optional) Cooldown period during which no new scaleout is triggered to allow previous scaleout to successfully complete.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **use_predicted_load** - (Optional) Use predicted load rather than current load.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» **avi__autoscalelaunchconfig**

The AutoScaleLaunchConfig resource allows the creation and management of Avi AutoScaleLaunchConfig

» **Example Usage**

```
resource "avi_autoscalelaunchconfig" "foo" {  
    name = "terraform-example-foo"  
    tenant_ref = "/api/tenant/?name=admin"  
}
```

» **Argument Reference**

The following arguments are supported:

- **name** - (Required) Name of the object.
- **description** - (Optional) User defined description for the object.
- **image_id** - (Optional) Unique id of the amazon machine image (ami) or openstack vm id.
- **mesos** - (Optional) Dict settings for autoscalelaunchconfig.
- **openstack** - (Optional) Dict settings for autoscalelaunchconfig.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.
- **use_external_asg** - (Optional) If set to true, serverautoscalepolicy will use the autoscaling group (external_autoscaling_groups) from pool to perform scale up and scale down.

» **Timeouts**

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» **Attributes Reference**

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» **avi_applicationprofile**

The ApplicationProfile resource allows the creation and management of Avi ApplicationProfile

» **Example Usage**

```
resource "avi_applicationprofile" "foo" {  
    name = "terraform-example-foo"  
    tenant_ref = "/api/tenant/?name=admin"  
}
```

» **Argument Reference**

The following arguments are supported:

- **name** - (Required) The name of the application profile.
- **type** - (Required) Specifies which application layer proxy is enabled for the virtual service.
- **cloud_config_cksum** - (Optional) Checksum of application profiles.
- **created_by** - (Optional) Name of the application profile creator.
- **description** - (Optional) User defined description for the object.
- **dns_service_profile** - (Optional) Specifies various dns service related controls for virtual service.
- **dos_rl_profile** - (Optional) Specifies various security related controls for virtual service.
- **http_profile** - (Optional) Specifies the http application proxy profile parameters.
- **preserve_client_ip** - (Optional) Specifies if client ip needs to be preserved for backend connection.
- **preserve_client_port** - (Optional) Specifies if we need to preserve client port while preserving client ip for backend connections.
- **sip_service_profile** - (Optional) Specifies various sip service related controls for virtual service.
- **tcp_app_profile** - (Optional) Specifies the tcp application proxy profile parameters.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» **Timeouts**

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI

- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- `uuid` - Uuid of the application profile.

» `avi__httppolicyset`

The HTTPPolicySet resource allows the creation and management of Avi HTTP-PolicySet

» Example Usage

```
resource "avi__httppolicyset" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- `name` - (Required) Name of the http policy set.
- `cloud_config_cksum` - (Optional) Checksum of cloud configuration for pool.
- `created_by` - (Optional) Creator name.
- `description` - (Optional) User defined description for the object.
- `http_request_policy` - (Optional) Http request policy for the virtual service.
- `http_response_policy` - (Optional) Http response policy for the virtual service.
- `http_security_policy` - (Optional) Http security policy for the virtual service.
- `is_internal_policy` - (Optional) Boolean flag to set `is__internal__policy`.
- `tenant_ref` - (Optional) It is a reference to an object of type tenant.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Uuid of the http policy set.

» avi_serviceengine

The ServiceEngine resource allows the creation and management of Avi ServiceEngine

» Example Usage

```
resource "avi_serviceengine" "foo" {
  name = "terraform-example-foo"
  tenant_ref = "/api/tenant/?name=admin"
}
```

» Argument Reference

The following arguments are supported:

- **availability_zone** - (Optional) Placeholder for description of property availability_zone of obj type serviceengine field type string type str.
- **cloud_ref** - (Optional) It is a reference to an object of type cloud.
- **container_mode** - (Optional) Boolean flag to set container_mode.
- **container_type** - (Optional) Enum options - container_type_bridge, container_type_host, container_type_host_dpdk.
- **controller_created** - (Optional) Boolean flag to set controller_created.
- **controller_ip** - (Optional) Placeholder for description of property controller_ip of obj type serviceengine field type string type str.
- **data_vnics** - (Optional) List of list.
- **enable_state** - (Optional) Inorder to disable se set this field appropriately.
- **flavor** - (Optional) Placeholder for description of property flavor of obj type serviceengine field type string type str.
- **host_ref** - (Optional) It is a reference to an object of type vimgrhostruntime.

- **hypervisor** - (Optional) Enum options - default, vmware_esx, kvm, vmware_vsan, xen.
- **mgmt_vnic** - (Optional) Dict settings for serviceengine.
- **name** - (Optional) Name of the object.
- **resources** - (Optional) Dict settings for serviceengine.
- **se_group_ref** - (Optional) It is a reference to an object of type serviceenginegroup.
- **tenant_ref** - (Optional) It is a reference to an object of type tenant.

» Timeouts

The **timeouts** block allows you to specify timeouts for certain actions:

- **create** - (Defaults to 40 mins) Used when creating the AMI
- **update** - (Defaults to 40 mins) Used when updating the AMI
- **delete** - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

- **uuid** - Unique object identifier of the object.

» avi_fileservice

The Fileservice resource allows the download and upload of files

» Example Usage

```
resource "avi_fileservice" "foo" {
  uri = "/uploads"
  local_file = "/file/path"
  upload = True
}
```

» Argument Reference

The following arguments are supported:

- * ``uri`` - (Required) argument_description.
- * ``local_file`` - (Required) argument_description.
- * ``upload`` - (Optional) argument_description.

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported:

* ``uuid`` - `argument_description` .

» avi_server

The `Server` resource allows the creation and management of `Avi Server`

» Example Usage

```
resource "avi_server" "foo" {  
    pool_ref = "/api/pool/Pool-f9cf6b3e-a411-436f-95e2-2982ba2b217b"  
    ip = "10.0.0.3"  
}
```

» Argument Reference

The following arguments are supported:

```
*  `pool_ref`  - (Required)  argument_description .  
*  `ip`  - (Required)  argument_description .  
*  `port`  - (Optional )  argument_description .  
*  `type`  - (Optional )  argument_description .  
*  `autoscaling_group_name`  - (Optional )  argument_description .  
*  `description`  - (Optional )  argument_description .  
*  `enabled`  - (Optional )  argument_description .  
*  `external_orchestration_id`  - (Optional )  argument_description .  
*  `external_uuid`  - (Optional )  argument_description .  
*  `hostname`  - (Optional )  argument_description .  
*  `location`  - (Optional )  argument_description .  
*  `nw_ref`  - (Optional )  argument_description .  
*  `prst_hdr_val`  - (Optional )  argument_description .
```

```
* `rewrite_host_header` - (Optional ) argument_description.  
* `vm_ref` - (Optional ) argument_description.
```

» Timeouts

The `timeouts` block allows you to specify timeouts for certain actions:

- `create` - (Defaults to 40 mins) Used when creating the AMI
- `update` - (Defaults to 40 mins) Used when updating the AMI
- `delete` - (Defaults to 90 mins) Used when deregistering the AMI

» Attributes Reference

In addition to all arguments above, the following attributes are exported: