

DNS Provider

The DNS provider supports DNS updates (RFC 2136). Additionally, the provider can be configured with secret key based transaction authentication (RFC 2845).

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

Example Usage

```
# Configure the DNS Provider
provider "dns" {
  update {
    server      = "192.168.0.1"
    key_name    = "example.com."
    key_algorithm = "hmac-md5"
    key_secret  = "3VwZXJzZWNyZXQ="
  }
}

# Create a DNS A record set
resource "dns_a_record_set" "www" {
  # ...
}
```

Configuration Reference

update - (Optional) When the provider is used for DNS updates, this block is required. Structure is documented below.

The update block supports the following attributes:

- `server` - (Required) The IPv4 address of the DNS server to send updates to.
- `port` - (Optional) The target UDP port on the server where updates are sent to. Defaults to 53.
- `key_name` - (Optional) The name of the TSIG key used to sign the DNS update messages.
- `key_algorithm` - (Optional; Required if `key_name` is set) When using TSIG authentication, the algorithm to use for HMAC. Valid values are `hmac-md5`, `hmac-sha1`, `hmac-sha256` or `hmac-sha512`.
- `key_secret` - (Optional; Required if `key_name` is set) A Base64-encoded string containing the shared secret to be used for TSIG.

dns_a_record_set

Use this data source to get DNS A records of the host.

Example Usage

```
data "dns_a_record_set" "google" {
  host = "google.com"
}

output "google_addrs" {
  value = "${join(", ", data.dns_a_record_set.google.addrs)}"
}
```

Argument Reference

The following arguments are supported:

- `host` - (required): Host to look up

Attributes Reference

The following attributes are exported:

- `id` - Set to `host`.
- `addrs` - A list of IP addresses. IP addresses are always sorted to avoid constant changing plans.

dns_aaaa_record_set

Use this data source to get DNS AAAA records of the host.

Example Usage

```
data "dns_aaaa_record_set" "google" {
  host = "google.com"
}

output "google_addrs" {
  value = "${join(", ", data.dns_aaaa_record_set.google.addrs)}"
}
```

Argument Reference

The following arguments are supported:

- `host` - (required): Host to look up

Attributes Reference

The following attributes are exported:

- `id` - Set to `host`.
- `addrs` - A list of IP addresses. IP addresses are always sorted to avoid constant changing plans.

dns_cname_record_set

Use this data source to get DNS CNAME record set of the host.

Example Usage

```
data "dns_cname_record_set" "hashicorp" {
  host = "www.hashicorp.com"
}

output "hashi_cname" {
  value = "${data.dns_cname_record_set.hashi.cname}"
}
```

Argument Reference

The following arguments are supported:

- `host` - (required): Host to look up

Attributes Reference

The following attributes are exported:

- `id` - Set to `host`.
- `cname` - A CNAME record associated with `host`.

dns_ns_record_set

Use this data source to get DNS ns records of the host.

Example Usage

```
data "dns_ns_record_set" "google" {
  host = "google.com"
}

output "google_nameservers" {
  value = "${join(",", data.dns_ns_record_set.google.nameservers)}"
}
```

Argument Reference

The following arguments are supported:

- `host` - (required): Host to look up

Attributes Reference

The following attributes are exported:

- `id` - Set to `host`.
- `nameservers` - A list of nameservers. Nameservers are always sorted to avoid constant changing plans.

dns_ptr_record_set

Use this data source to get DNS PTR record set of the ip address.

Example Usage

```
data "dns_ptr_record_set" "hashicorp" {
  ip_address = "8.8.8.8"
}

output "hashi_ptr" {
  value = "${data.dns_ptr_record_set.hashicorp.ptr}"
}
```

Argument Reference

The following arguments are supported:

- `ip_address` - (required): IP address to look up

Attributes Reference

The following attributes are exported:

- `id` - Set to `ip_address`.
- `ptr` - A PTR record associated with `ip_address`.

NOTE: Only the first result is taken from the query.

dns_txt_record_set

Use this data source to get DNS TXT record set of the host.

Example Usage

```
data "dns_txt_record_set" "hashicorp" {
  host = "www.hashicorp.com"
}

output "hashi_txt" {
  value = "${data.dns_txt_record_set.hashi.record}"
}

output "hashi_txts" {
  value = "${join(", ", data.dns_txt_record_set.hashi.records)}"
}
```

Argument Reference

The following arguments are supported:

- `host` - (required): Host to look up

Attributes Reference

The following attributes are exported:

- `id` - Set to `host`.
- `record` - The first TXT record.
- `records` - A list of TXT records.

dns_a_record_set

Creates a A type DNS record set.

Example Usage

```
resource "dns_a_record_set" "www" {
  zone = "example.com."
  name = "www"
  addresses = [
    "192.168.0.1",
    "192.168.0.2",
    "192.168.0.3",
  ]
  ttl = 300
}
```

Argument Reference

The following arguments are supported:

- `zone` - (Required) DNS zone the record set belongs to. It must be an FQDN, that is, include the trailing dot.
- `name` - (Required) The name of the record set. The `zone` argument will be appended to this value to create the full record path.
- `addresses` - (Required) The IPv4 addresses this record set will point to.
- `ttl` - (Optional) The TTL of the record set. Defaults to 3600.

Attributes Reference

The following attributes are exported:

- `zone` - See Argument Reference above.
- `name` - See Argument Reference above.
- `addresses` - See Argument Reference above.
- `ttl` - See Argument Reference above.

dns_aaaa_record_set

Creates a AAAA type DNS record set.

Example Usage

```
resource "dns_aaaa_record_set" "www" {
  zone = "example.com."
  name = "www"
  addresses = [
    "fdd5:e282:43b8:5303:dead:beef:cafe:babe",
    "fdd5:e282:43b8:5303:cafe:babe:dead:beef",
  ]
  ttl = 300
}
```

Argument Reference

The following arguments are supported:

- `zone` - (Required) DNS zone the record set belongs to. It must be an FQDN, that is, include the trailing dot.
- `name` - (Required) The name of the record set. The `zone` argument will be appended to this value to create the full record path.
- `addresses` - (Required) The IPv6 addresses this record set will point to.
- `ttl` - (Optional) The TTL of the record set. Defaults to 3600.

Attributes Reference

The following attributes are exported:

- `zone` - See Argument Reference above.
- `name` - See Argument Reference above.
- `addresses` - See Argument Reference above.
- `ttl` - See Argument Reference above.

dns_cname_record

Creates a CNAME type DNS record.

Example Usage

```
resource "dns_cname_record" "foo" {  
  zone = "example.com."  
  name = "foo"  
  cname = "bar.example.com."  
  ttl   = 300  
}
```

Argument Reference

The following arguments are supported:

- `zone` - (Required) DNS zone the record belongs to. It must be an FQDN, that is, include the trailing dot.
- `name` - (Required) The name of the record. The `zone` argument will be appended to this value to create the full record path.
- `cname` - (Required) The canonical name this record will point to.
- `ttl` - (Optional) The TTL of the record set. Defaults to 3600.

Attributes Reference

The following attributes are exported:

- `zone` - See Argument Reference above.
- `name` - See Argument Reference above.
- `cname` - See Argument Reference above.
- `ttl` - See Argument Reference above.

dns_ns_record_set

Creates a NS type DNS record set.

Example Usage

```
resource "dns_ns_record_set" "www" {
  zone = "example.com."
  name = "www"
  nameservers = [
    "a.iana-servers.net.",
    "b.iana-servers.net.",
  ]
  ttl = 300
}
```

Argument Reference

The following arguments are supported:

- `zone` - (Required) DNS zone the record set belongs to. It must be an FQDN, that is, include the trailing dot.
- `name` - (Required) The name of the record set. The `zone` argument will be appended to this value to create the full record path.
- `nameservers` - (Required) The nameservers this record set will point to.
- `ttl` - (Optional) The TTL of the record set. Defaults to 3600.

Attributes Reference

The following attributes are exported:

- `zone` - See Argument Reference above.
- `name` - See Argument Reference above.
- `nameservers` - See Argument Reference above.
- `ttl` - See Argument Reference above.

dns_ptr_record

Creates a PTR type DNS record.

Example Usage

```
resource "dns_ptr_record" "dns-sd" {  
  zone = "example.com."  
  name = "r._dns-sd"  
  ptr  = "example.com."  
  ttl  = 300  
}
```

Argument Reference

The following arguments are supported:

- `zone` - (Required) DNS zone the record belongs to. It must be an FQDN, that is, include the trailing dot.
- `name` - (Required) The name of the record. The `zone` argument will be appended to this value to create the full record path.
- `ptr` - (Required) The canonical name this record will point to.
- `ttl` - (Optional) The TTL of the record set. Defaults to 3600.

Attributes Reference

The following attributes are exported:

- `zone` - See Argument Reference above.
- `name` - See Argument Reference above.
- `ptr` - See Argument Reference above.
- `ttl` - See Argument Reference above.