

UltraDNS Provider

The UltraDNS provider is used to interact with the resources supported by UltraDNS. The provider needs to be configured with the proper credentials before it can be used.

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

Example Usage

```
# Configure the UltraDNS provider
provider "ultradns" {
  username = "${var.ultradns_username}"
  password = "${var.ultradns_password}"
  baseurl  = "https://test-restapi.ultradns.com/"
}

# Create a record
resource "ultradns_record" "www" {
  # ...
}
```

Argument Reference

The following arguments are supported:

- `username` - (Required) The UltraDNS username. It must be provided, but it can also be sourced from the `ULTRADNS_USERNAME` environment variable.
- `password` - (Required) The password associated with the username. It must be provided, but it can also be sourced from the `ULTRADNS_PASSWORD` environment variable.
- `baseurl` - (Required) The base url for the UltraDNS REST API, but it can also be sourced from the `ULTRADNS_BASEURL` environment variable.

ultradns_dirpool

Provides an UltraDNS Directional Controller pool resource.

Example Usage

```
# Create a Directional Controller pool
resource "ultradns_dirpool" "pool" {
  zone      = "${var.ultradns_domain}"
  name      = "terraform-dirpool"
  ttl       = 300
  description = "Minimal DirPool"

  rdata {
    host = "192.168.0.10"
  }
}
```

Argument Reference

See related part of UltraDNS Docs (<https://restapi.ultradns.com/v1/docs#post-rrset>) for details about valid values.

The following arguments are supported:

- `zone` - (Required) The domain to add the record to
- `name` - (Required) The name of the record
- `type` - (Required) The Record Type of the record
- `description` - (Required) Description of the Traffic Controller pool. Valid values are strings less than 256 characters.
- `rdata` - (Required) a list of Record Data blocks, one for each member in the pool. Record Data documented below.
- `ttl` - (Optional) The TTL of the record. Default: 3600.
- `conflict_resolve` - (Optional) String. Valid: "GEO" or "IP". Default: "GEO".
- `no_response` - (Optional) a single Record Data block, without any `host` attribute. Record Data documented below.

Record Data blocks support the following:

- `host` - (Required in `rdata`, absent in `no_response`) IPv4 address or CNAME for the pool member.
- `all_non_configured` - (Optional) Boolean. Default: `false`.
- `geo_info` - (Optional) a single Geo Info block. Geo Info documented below.
- `ip_info` - (Optional) a single IP Info block. IP Info documented below.

Geo Info blocks support the following:

- `name` - (Optional) String.

- `is_account_level` - (Optional) Boolean. Default: `false`.
- `codes` - (Optional) Set of geo code strings. Shorthand codes are expanded.

IP Info blocks support the following:

- `name` - (Optional) String.
- `is_account_level` - (Optional) Boolean. Default: `false`.
- `ips` - (Optional) Set of IP blocks. IP Info documented below.

IP blocks support the following: - `start` - (Optional) String. IP Address. Must be paired with `end`. Conflicts with `cidr` or `address`. - `end` - (Optional) String. IP Address. Must be paired with `start`. - `cidr` - (Optional) String. - `address` - (Optional) String. IP Address.

Attributes Reference

The following attributes are exported:

- `id` - The record ID
- `hostname` - The FQDN of the record

ultradns_probe_http

Provides an UltraDNS HTTP probe

Example Usage

```

resource "ultradns_probe_http" "probe" {
  zone      = "${ultradns_tcpool.pool.zone}"
  name      = "${ultradns_tcpool.pool.name}"
  pool_record = "10.2.1.1"

  agents = ["DALLAS", "AMSTERDAM"]

  interval = "ONE_MINUTE"
  threshold = 1

  http_probe {
    transaction {
      method      = "POST"
      url         = "http://localhost/index"
      transmitted_data = "{}"
      follow_redirects = true

      limit {
        name = "run"

        warning = 1
        critical = 2
        fail     = 3
      }

      limit {
        name = "avgConnect"

        warning = 4
        critical = 5
        fail     = 6
      }

      limit {
        name = "avgRun"

        warning = 7
        critical = 8
        fail     = 9
      }

      limit {
        name = "connect"

        warning = 10
        critical = 11
        fail     = 12
      }
    }

    total_limits {
      warning = 13
      critical = 14
      fail     = 15
    }
  }
}

```

Argument Reference

The following arguments are supported:

- `zone` - (Required) The domain of the pool to probe.
- `name` - (Required) The name of the pool to probe.
- `pool_record` - (optional) IP address or domain. If provided, a record-level probe is created, otherwise a pool-level probe is created.
- `agents` - (Required) List of locations that will be used for probing. One or more values must be specified. Valid values are "NEW_YORK", "PALO_ALTO", "DALLAS" & "AMSTERDAM".
- `threshold` - (Required) Number of agents that must agree for a probe state to be changed.
- `http_probe` - (Required) an HTTP Probe block.
- `interval` - (Optional) Length of time between probes in minutes. Valid values are "HALF_MINUTE", "ONE_MINUTE", "TWO_MINUTES", "FIVE_MINUTES", "TEN_MINUTES" & "FIFTEEN_MINUTE". Default: "FIVE_MINUTES".

HTTP Probe block - `transaction` - (Optional) One or more Transaction blocks. - `total_limits` - (Optional) A Limit block, but with no name attribute.

Transaction block - `method` - (Required) HTTP method. Valid values are "GET", "POST". - `url` - (Required) URL to probe. - `transmitted_data` - (Optional) Data to send to URL. - `follow_redirects` - (Optional) Whether to follow redirects. - `limit` - (Required) One or more Limit blocks. Only one limit block may exist for each name.

Limit block - `name` - (Required) Kind of limit. Valid values are "lossPercent", "total", "average", "run" & "avgRun". - `warning` - (Optional) Amount to trigger a warning. - `critical` - (Optional) Amount to trigger a critical. - `fail` - (Optional) Amount to trigger a failure.

ultradns_probe_ping

Provides an UltraDNS ping probe

Example Usage

```
resource "ultradns_probe_ping" "probe" {
  zone      = "${ultradns_tcpool.pool.zone}"
  name      = "${ultradns_tcpool.pool.name}"
  pool_record = "10.3.0.1"

  agents = ["DALLAS", "AMSTERDAM"]

  interval = "ONE_MINUTE"
  threshold = 1

  ping_probe {
    packets      = 15
    packet_size = 56

    limit {
      name      = "lossPercent"
      warning   = 1
      critical  = 2
      fail      = 3
    }

    limit {
      name      = "total"
      warning   = 2
      critical  = 3
      fail      = 4
    }
  }
}
```

Argument Reference

The following arguments are supported:

- `zone` - (Required) The domain of the pool to probe.
- `name` - (Required) The name of the pool to probe.
- `pool_record` - (optional) IP address or domain. If provided, a record-level probe is created, otherwise a pool-level probe is created.
- `agents` - (Required) List of locations that will be used for probing. One or more values must be specified. Valid values are "NEW_YORK", "PALO_ALTO", "DALLAS" & "AMSTERDAM".
- `threshold` - (Required) Number of agents that must agree for a probe state to be changed.
- `ping_probe` - (Required) a Ping Probe block.
- `interval` - (Optional) Length of time between probes in minutes. Valid values are "HALF_MINUTE", "ONE_MINUTE",

"TWO_MINUTES", "FIVE_MINUTES", "TEN_MINUTES" & "FIFTEEN_MINUTE". Default: "FIVE_MINUTES".

Ping Probe block - packets - (Optional) Number of ICMP packets to send. Default 3. - packet_size - (Optional) Size of packets in bytes. Default 56. - limit - (Required) One or more Limit blocks. Only one limit block may exist for each name.

Limit block - name - (Required) Kind of limit. Valid values are "lossPercent", "total", "average", "run" & "avgRun". - warning - (Optional) Amount to trigger a warning. - critical - (Optional) Amount to trigger a critical. - fail - (Optional) Amount to trigger a failure.

ultradns_rdpool

Provides an UltraDNS Resource Distribution (RD) pool resource, which are used to define rules for returning multiple A or AAAA records for a given owner name. Ordering can be FIXED, RANDOM or ROUND_ROBIN.

Example Usage

```
# Create a Resource Distribution pool

resource "ultradns_rdpool" "pool" {
  zone      = "${var.ultradns_domain}"
  name      = "terraform-rdpool"
  ttl       = 600
  description = "Example RD Pool"
  order     = "ROUND_ROBIN"
  rdata     = [ "192.168.0.10", "192.168.0.11" ]
}
```

Argument Reference

See related part of UltraDNS Docs (<https://restapi.ultradns.com/v1/docs#post-rrset>) for details about valid values.

The following arguments are supported:

- `zone` - (Required) The domain to add the record to
- `name` - (Required) The name of the record
- `rdata` - (Required) list ip addresses.
- `order` - (Optional) Ordering rule, one of FIXED, RANDOM or ROUND_ROBIN. Default: 'ROUND_ROBIN'.
- `description` - (Optional) Description of the Resource Distribution pool. Valid values are strings less than 256 characters.
- `ttl` - (Optional) The TTL of the pool in seconds. Default: 3600.

Attributes Reference

The following attributes are exported:

- `id` - The record ID
- `hostname` - The FQDN of the record

ultradns_record

Provides an UltraDNS record resource.

Example Usage

```
# Add a record to the domain
resource "ultradns_record" "foobar" {
  zone  = "${var.ultradns_domain}"
  name  = "terraform"
  rdata = ["192.168.0.11"]
  type  = "A"
  ttl   = 3600
}
```

Argument Reference

See related part of UltraDNS Docs (<https://restapi.ultradns.com/v1/docs#post-rrset>) for details about valid values.

The following arguments are supported:

- `zone` - (Required) The domain to add the record to
- `name` - (Required) The name of the record
- `rdata` - (Required) An array containing the values of the record
- `type` - (Required) The type of the record
- `ttl` - (Optional) The TTL of the record

Attributes Reference

The following attributes are exported:

- `id` - The record ID
- `name` - The name of the record
- `rdata` - An array containing the values of the record
- `type` - The type of the record
- `ttl` - The TTL of the record
- `zone` - The domain of the record
- `hostname` - The FQDN of the record

ultradns_tcpool

Provides an UltraDNS Traffic Controller pool resource.

Example Usage

```
# Create a Traffic Controller pool
resource "ultradns_tcpool" "pool" {
  zone      = "${var.ultradns_domain}"
  name      = "terraform-tcpool"
  ttl       = 300
  description = "Minimal TC Pool"

  rdata {
    host = "192.168.0.10"
  }
}
```

Argument Reference

See related part of UltraDNS Docs (<https://restapi.ultradns.com/v1/docs#post-rrset>) for details about valid values.

The following arguments are supported:

- `zone` - (Required) The domain to add the record to
- `name` - (Required) The name of the record
- `rdata` - (Required) a list of rdata blocks, one for each member in the pool. Record Data documented below.
- `description` - (Required) Description of the Traffic Controller pool. Valid values are strings less than 256 characters.
- `ttl` - (Optional) The TTL of the record. Default: 3600.
- `run_probes` - (Optional) Boolean to run probes for this pool. Default: `true`.
- `act_on_probes` - (Optional) Boolean to enable and disable pool records when probes are run. Default: `true`.
- `max_to_lb` - (Optional) Determines the number of records to balance between. Valid values are integers 0 - `len(rdata)`. Default: 0.
- `backup_record_rdata` - (Optional) IPv4 address or CNAME for the backup record. Default: `nil`.
- `backup_record_failover_delay` - (Optional) Time in minutes that Traffic Controller waits after detecting that the pool record has failed before activating primary records. Valid values are integers 0 - 30. Default: 0.

Record Data blocks support the following:

- `host` - (Required) IPv4 address or CNAME for the pool member.
- `failover_delay` - (Optional) Time in minutes that Traffic Controller waits after detecting that the pool record has failed before activating secondary records. 0 will activate the secondary records immediately. Integer. Range: 0 - 30. Default: 0.

- `priority` - (Optional) Indicates the serving preference for this pool record. Valid values are integers 1 or greater. Default: 1.
- `run_probes` - (Optional) Whether probes are run for this pool record. Boolean. Default: `true`.
- `state` - (Optional) Current state of the pool record. String. Must be one of "NORMAL", "ACTIVE", or "INACTIVE". Default: "NORMAL".
- `threshold` - (Optional) How many probes must agree before the record state is changed. Valid values are integers 1 - `len(probes)`. Default: 1.
- `weight` - (Optional) Traffic load to send to each server in the Traffic Controller pool. Valid values are integers 2 - 100. Default: 2

Attributes Reference

The following attributes are exported:

- `id` - The record ID
- `hostname` - The FQDN of the record