# » Data Source: ns1_zone

Provides details about a NS1 Zone.

## » Example Usage

```
# Get details about a NS1 Zone.
data "ns1_zone" "example" {
  zone = "terraform.example.io"
}
```

## » Argument Reference

- `zone` - (Required) The domain name of the zone.

## » Attributes Reference

- `link` - The linked target zone.
- `ttl` - The SOA TTL.
- `refresh` - The SOA Refresh.
- `retry` - The SOA Retry.
- `expiry` - The SOA Expiry.
- `nx_ttl` - The SOA NX TTL.
- `primary` - The primary ip.
- `dns_servers` - Authoritative Name Servers.

# » ns1_zone

Provides a NS1 DNS Zone resource. This can be used to create, modify, and delete zones.

## » Example Usage

```
# Create a new DNS zone
resource "ns1_zone" "example" {
  zone = "terraform.example.io"
  ttl  = 600
}
```

## » Argument Reference

The following arguments are supported:

- `zone` - (Required) The domain name of the zone.
- `link` - (Optional) The target zone(domain name) to link to.
- `ttl` - (Optional) The SOA TTL.
- `refresh` - (Optional) The SOA Refresh.
- `retry` - (Optional) The SOA Retry.
- `expiry` - (Optional) The SOA Expiry.
- `nx_ttl` - (Optional) The SOA NX TTL.
- `primary` - (Optional) The primary zones' ip. This makes the zone a secondary.

# » ns1_record

Provides a NS1 Record resource. This can be used to create, modify, and delete records.

## » Example Usage

```
resource "ns1_zone" "tld" {
  zone = "terraform.example"
}

resource "ns1_record" "www" {
  zone   = "${ns1_zone.tld.zone}"
  domain = "www.${ns1_zone.tld.zone}"
  type   = "CNAME"
  ttl    = 60

  answers {
    answer = "sub1.${ns1_zone.tld.zone}"
  }

  answers {
    answer = "sub2.${ns1_zone.tld.zone}"
  }

  filters {
    filter = "select_first_n"

    config = {
      N = 1
```

```
      }
    }
}
```

## » Argument Reference

The following arguments are supported:

- `zone` - (Required) The zone the record belongs to.
- `domain` - (Required) The records' domain.
- `type` - (Required) The records' RR type.
- `ttl` - (Optional) The records' time to live.
- `link` - (Optional) The target record to link to. This means this record is a 'linked' record, and it inherits all properties from its target.
- `use_client_subnet` - (Optional) Whether to use EDNS client subnet data when available(in filter chain).
- `answers` - (Optional) One or more NS1 answers for the records' specified type. Answers are documented below.
- `filters` - (Optional) One or more NS1 filters for the record(order matters). Filters are documented below.

Answers (`answers`) support the following:

- `answer` - (Required) Space delimited string of RDATA fields dependent on the record type.

  A:

  answer = "1.2.3.4"

  CNAME:

  answer = "www.example.com"

  MX:

  answer = "5 mail.example.com"

  SRV:

  answer = "10 0 2380 node-1.example.com"

  SPF:

  answer = "v=DKIM1; k=rsa; p=XXXXXXXX"

- `region` - (Optional) The region (or group) name that this answer belongs to. Regions must be sorted alphanumberically by name, otherwise Terraform will detect changes to the record when none actually exist.

Filters (`filters`) support the following:

- `filter` - (Required) The type of filter.

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- `disabled` - (Optional) Determines whether the filter is applied in the filter chain.
- `config` - (Optional) The filters' configuration. Simple key/value pairs determined by the filter type.

## » ns1_monitoringjob

Provides a NS1 Monitoring Job resource. This can be used to create, modify, and delete monitoring jobs.

## » Example Usage

```
resource "ns1_monitoringjob" "uswest_monitor" {
  name          = "uswest"
  active        = true
  regions       = ["sjc", "sin", "lga"]
  job_type      = "tcp"
  frequency     = 60
  rapid_recheck = true
  policy        = "quorum"

  config = {
    send = "HEAD / HTTP/1.0\r\n\r\n"
    port = 80
    host = "example-elb-uswest.aws.amazon.com"
  }

  rules {
    value      = "200 OK"
    comparison = "contains"
    key        = "output"
  }
}
```

## » Argument Reference

The following arguments are supported:

- `name` - (Required) The free-form display name for the monitoring job.
- `job_type` - (Required) The type of monitoring job to be run.
- `active` - (Required) Indicates if the job is active or temporaril.y disabled.
- `regions` - (Required) The list of region codes in which to run the monitoring job.

- `frequency` - (Required) The frequency, in seconds, at which to run the monitoring job in each region.
- `rapid_recheck` - (Required) If true, on any apparent state change, the job is quickly re-run after one second to confirm the state change before notification.
- `policy` - (Required) The policy for determining the monitor's global status based on the status of the job in all regions.
- `config` - (Required) A configuration dictionary with keys and values depending on the jobs' type.
- `notify_delay` - (Optional) The time in seconds after a failure to wait before sending a notification.
- `notify_repeat` - (Optional) The time in seconds between repeat notifications of a failed job.
- `notify_failback` - (Optional) If true, a notification is sent when a job returns to an "up" state.
- `notify_regional` - (Optional) If true, notifications are sent for any regional failure (and failback if desired), in addition to global state notifications.
- `notify_list` - (Optional) The id of the notification list to send notifications to.
- `notes` - (Optional) Freeform notes to be included in any notifications about this job.
- `rules` - (Optional) A list of rules for determining failure conditions. Job Rules are documented below.

Monitoring Job Rules (`rules`) support the following:

- `key` - (Required) The output key.
- `comparison` - (Required) The comparison to perform on the the output.
- `value` - (Required) The value to compare to.

## » ns1_notifylist

Provides a NS1 Notify List resource. This can be used to create, modify, and delete notify lists.

## » Example Usage

```
resource "ns1_notifylist" "nl" {
  name = "my notify list"
  notifications {
    type = "webhook"
    config = {
      url = "http://www.mywebhook.com"
```

```
    }
  }

  notifications {
    type = "email"
    config = {
      email = "test@test.com"
    }
  }
}
```

## » Argument Reference

The following arguments are supported:

- `name` - (Required) The free-form display name for the notify list.
- `notifications` - (Optional) A list of notifiers. All notifiers in a notification list will receive notifications whenever an event is send to the list (e.g., when a monitoring job fails). Notifiers are documented below.

Notify List Notifiers (`notifications`) support the following:

- `type` - (Required) The type of notifier. Available notifiers are indicated in /notifytypes endpoint.
- `config` - (Required) Configuration details for the given notifier type.

## » ns1_datasource

Provides a NS1 Data Source resource. This can be used to create, modify, and delete data sources.

## » Example Usage

```
resource "ns1_datasource" "example" {
  name       = "example"
  sourcetype = "nsone_v1"
}
```

## » Argument Reference

The following arguments are supported:

- `name` - (Required) The free form name of the data source.

- `sourcetype` - (Required) The data sources type, listed in API endpoint https://api.nsone.net/v1/data/sourcetypes.
- `config` - (Optional) The data source configuration, determined by its type.

## » ns1_datafeed

Provides a NS1 Data Feed resource. This can be used to create, modify, and delete data feeds.

## » Example Usage

```
resource "ns1_datasource" "example" {
  name       = "example"
  sourcetype = "nsone_v1"
}

resource "ns1_datafeed" "uswest_feed" {
  name      = "uswest_feed"
  source_id = "${ns1_datasource.example.id}"

  config = {
    label = "uswest"
  }
}

resource "ns1_datafeed" "useast_feed" {
  name      = "useast_feed"
  source_id = "${ns1_datasource.example.id}"

  config = {
    label = "useast"
  }
}
```

## » Argument Reference

The following arguments are supported:

- `source_id` - (Required) The data source id that this feed is connected to.
- `name` - (Required) The free form name of the data feed.
- `config` - (Optional) The feeds configuration matching the specification in 'feed_config' from /data/sourcetypes.

# » ns1_apikey

Provides a NS1 Api Key resource. This can be used to create, modify, and delete api keys.

## » Example Usage

```
resource "ns1_team" "example" {
  name = "Example team"
}

resource "ns1_apikey" "example" {
  name  = "Example key"
  teams = ["${ns1_team.example.id}"]

  # Configure permissions
  dns_view_zones      = false
  account_manage_users = false
}
```

## » Argument Reference

The following arguments are supported:

- `name` - (Required) The free form name of the apikey.
- `key` - (Required) The apikeys authentication token.
- `teams` - (Required) The teams that the apikey belongs to.
- `dns_view_zones` - (Optional) Whether the apikey can view the accounts zones.
- `dns_manage_zones` - (Optional) Whether the apikey can modify the accounts zones.
- `dns_zones_allow_by_default` - (Optional) If true, enable the `dns_zones_allow` list, otherwise enable the `dns_zones_deny` list.
- `dns_zones_allow` - (Optional) List of zones that the apikey may access.
- `dns_zones_deny` - (Optional) List of zones that the apikey may not access.
- `data_push_to_datafeeds` - (Optional) Whether the apikey can publish to data feeds.
- `data_manage_datasources` - (Optional) Whether the apikey can modify data sources.
- `data_manage_datafeeds` - (Optional) Whether the apikey can modify data feeds.
- `account_manage_users` - (Optional) Whether the apikey can modify account users.

- `account_manage_payment_methods` - (Optional) Whether the apikey can modify account payment methods.
- `account_manage_plan` - (Optional) Whether the apikey can modify the account plan.
- `account_manage_teams` - (Optional) Whether the apikey can modify other teams in the account.
- `account_manage_apikeys` - (Optional) Whether the apikey can modify account apikeys.
- `account_manage_account_settings` - (Optional) Whether the apikey can modify account settings.
- `account_view_activity_log` - (Optional) Whether the apikey can view activity logs.
- `account_view_invoices` - (Optional) Whether the apikey can view invoices.
- `monitoring_manage_lists` - (Optional) Whether the apikey can modify notification lists.
- `monitoring_manage_jobs` - (Optional) Whether the apikey can modify monitoring jobs.
- `monitoring_view_jobs` - (Optional) Whether the apikey can view monitoring jobs.

## » ns1_team

Provides a NS1 Team resource. This can be used to create, modify, and delete teams.

## » Example Usage

```
# Create a new NS1 Team
resource "ns1_team" "example" {
  name = "Example team"

  # Configure permissions
  dns_view_zones      = false
  account_manage_users = false
}
```

## » Argument Reference

The following arguments are supported:

- `name` - (Required) The free form name of the team.

- `dns_view_zones` - (Optional) Whether the team can view the accounts zones.
- `dns_manage_zones` - (Optional) Whether the team can modify the accounts zones.
- `dns_zones_allow_by_default` - (Optional) If true, enable the `dns_zones_allow` list, otherwise enable the `dns_zones_deny` list.
- `dns_zones_allow` - (Optional) List of zones that the team may access.
- `dns_zones_deny` - (Optional) List of zones that the team may not access.
- `data_push_to_datafeeds` - (Optional) Whether the team can publish to data feeds.
- `data_manage_datasources` - (Optional) Whether the team can modify data sources.
- `data_manage_datafeeds` - (Optional) Whether the team can modify data feeds.
- `account_manage_users` - (Optional) Whether the team can modify account users.
- `account_manage_payment_methods` - (Optional) Whether the team can modify account payment methods.
- `account_manage_plan` - (Optional) Whether the team can modify the account plan.
- `account_manage_teams` - (Optional) Whether the team can modify other teams in the account.
- `account_manage_apikeys` - (Optional) Whether the team can modify account apikeys.
- `account_manage_account_settings` - (Optional) Whether the team can modify account settings.
- `account_view_activity_log` - (Optional) Whether the team can view activity logs.
- `account_view_invoices` - (Optional) Whether the team can view invoices.
- `monitoring_manage_lists` - (Optional) Whether the team can modify notification lists.
- `monitoring_manage_jobs` - (Optional) Whether the team can modify monitoring jobs.
- `monitoring_view_jobs` - (Optional) Whether the team can view monitoring jobs.

## » ns1_user

Provides a NS1 User resource. Creating a user sends an invitation email to the user's email address. This can be used to create, modify, and delete users.

## » Example Usage

```
resource "ns1_team" "example" {
  name = "Example team"

  dns_view_zones      = false
  account_manage_users = false
}

resource "ns1_user" "example" {
  name     = "Example User"
  username = "example_user"
  email    = "user@example.com"
  teams    = ["${ns1_team.example.id}"]
}
```

## » Argument Reference

The following arguments are supported:

- `name` - (Required) The free form name of the user.
- `username` - (Required) The users login name.
- `email` - (Required) The email address of the user.
- `notify` - (Required) The Whether or not to notify the user of specified events. Only `billing` is available currently.
- `teams` - (Required) The teams that the user belongs to.
- `dns_view_zones` - (Optional) Whether the user can view the accounts zones.
- `dns_manage_zones` - (Optional) Whether the user can modify the accounts zones.
- `dns_zones_allow_by_default` - (Optional) If true, enable the `dns_zones_allow` list, otherwise enable the `dns_zones_deny` list.
- `dns_zones_allow` - (Optional) List of zones that the user may access.
- `dns_zones_deny` - (Optional) List of zones that the user may not access.
- `data_push_to_datafeeds` - (Optional) Whether the user can publish to data feeds.
- `data_manage_datasources` - (Optional) Whether the user can modify data sources.
- `data_manage_datafeeds` - (Optional) Whether the user can modify data feeds.
- `account_manage_users` - (Optional) Whether the user can modify account users.
- `account_manage_payment_methods` - (Optional) Whether the user can modify account payment methods.

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- `account_manage_plan` - (Optional) Whether the user can modify the account plan.
- `account_manage_teams` - (Optional) Whether the user can modify other teams in the account.
- `account_manage_apikeys` - (Optional) Whether the user can modify account apikeys.
- `account_manage_account_settings` - (Optional) Whether the user can modify account settings.
- `account_view_activity_log` - (Optional) Whether the user can view activity logs.
- `account_view_invoices` - (Optional) Whether the user can view invoices.
- `monitoring_manage_lists` - (Optional) Whether the user can modify notification lists.
- `monitoring_manage_jobs` - (Optional) Whether the user can modify monitoring jobs.
- `monitoring_view_jobs` - (Optional) Whether the user can view monitoring jobs.