

NS1 Provider

The NS1 provider exposes resources to interact with the NS1 REST API. 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 NS1 provider
provider "ns1" {
  apikey = "${var.ns1_apikey}"
}

# Create a new zone
resource "ns1_zone" "foobar" {
  # ...
}
```

Argument Reference

The following arguments are supported:

- `apikey` - (Required) NS1 API token. It must be provided, but it can also be sourced from the `NS1_APIKEY` environment variable.

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}"]

  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.
- `permissions` - (Optional) The allowed permissions of the apikey. Permissions documented below.

Permissions (`permissions`) support the following:

- `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_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_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> (<https://api.nsone.net/v1/data/sourcetypes>).
- `config` - (Optional) The data source configuration, determined by its 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 temporarily 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 fallback 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_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.

Filters (filters) support the following:

- **filter** - (Required) The type of filter.
- **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_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"

  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.
- `permissions` - (Optional) The allowed permissions of the team. Permissions documented below.

Permissions (`permissions`) support the following:

- `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"

  permissions = {
    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.
- `permissions` - (Optional) The allowed permissions of the user. Permissions documented below.

Permissions (`permissions`) support the following:

- `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.
- 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.

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.