

## » 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=XXXXXXXXX"
```

- **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\_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 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 sent 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}"]  
  
  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_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.