# » Data Source: newrelic alert channel

Use this data source to get information about a specific alert channel in New Relic that already exists. More information on Terraform's data sources can be found here.

### » Example Usage

```
# Data source
data "newrelic_alert_channel" "foo" {
   name = "foo@example.com"
}

# Resource
resource "newrelic_alert_policy" "foo" {
   name = "foo"
}

# Using the data source and resource together
resource "newrelic_alert_policy_channel" "foo" {
   policy_id = newrelic_alert_policy.foo.id
   channel_id = data.newrelic_alert_channel.foo.id
}
```

## » Argument Reference

The following arguments are supported:

• name - (Required) The name of the alert channel in New Relic.

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

- id The ID of the alert channel.
- type Alert channel type, either: email, opsgenie, pagerduty, slack, victorops, or webhook.
- config Alert channel configuration.
- policy\_ids A list of policy IDs associated with the alert channel.

# » Data Source: newrelic\_alert\_policy

Use this data source to get information about a specific alert policy in New Relic that already exists. More information on Terraform's data sources can be found here.

### » Example Usage

```
data "newrelic_alert_channel" "foo" {
   name = "foo@example.com"
}

data "newrelic_alert_policy" "foo" {
   name = "foo policy"
}

resource "newrelic_alert_policy_channel" "foo" {
   policy_id = data.newrelic_alert_policy.foo.id
   channel_id = data.newrelic_alert_channel.foo.id
}
```

# » Argument Reference

The following arguments are supported:

• name - (Required) The name of the alert policy in New Relic.

## » Attributes Reference

In addition to all arguments above, the following attributes are exported:

- id The ID of the alert policy.
- incident\_preference The rollup strategy for the policy. Options include: PER\_POLICY, PER\_CONDITION, or PER\_CONDITION\_AND\_TARGET. The default is PER\_POLICY.
- created\_at The time the policy was created.
- updated\_at The time the policy was last updated.

# » Data Source: newrelic\_application

Use this data source to get information about a specific application in New Relic that already exists. More information on Terraform's data sources can be found

here.

## » Example Usage

```
data "newrelic_application" "app" {
 name = "my-app"
resource "newrelic_alert_policy" "foo" {
 name = "foo"
resource "newrelic_alert_condition" "foo" {
 policy_id = newrelic_alert_policy.foo.id
             = "foo"
 name
             = "apm_app_metric"
 type
             = [data.newrelic_application.app.id]
  entities
             = "apdex"
 metric
 runbook_url = "https://www.example.com"
  term {
    duration
                = 5
    operator
                 = "below"
                 = "critical"
   priority
   threshold
                 = "0.75"
   time_function = "all"
}
```

## » Argument Reference

The following arguments are supported:

• name - (Required) The name of the application in New Relic.

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

- id The ID of the application.
- instance\_ids A list of instance IDs associated with the application.
- host\_ids A list of host IDs associated with the application.

# » Data Source: newrelic\_key\_transaction

Use this data source to get information about a specific key transaction in New Relic that already exists. More information on Terraform's data sources can be found here.

## » Example Usage

```
data "newrelic_key_transaction" "txn" {
 name = "txn"
}
resource "newrelic_alert_policy" "foo" {
 name = "foo"
resource "newrelic alert condition" "foo" {
 policy_id = newrelic_alert_policy.foo.id
 name
             = "foo"
             = "apm_kt_metric"
 type
  entities = [data.newrelic_key_transaction.txn.id]
 metric = "error_percentage"
 runbook_url = "https://www.example.com"
  term {
    duration
                 = 5
                 = "below"
    operator
   priority
                 = "critical"
                 = "0.75"
    threshold
    time_function = "all"
 }
}
```

# » Argument Reference

The following arguments are supported:

• name - (Required) The name of the key transaction in New Relic.

## » Attributes Reference

In addition to all arguments above, the following attributes are exported:

• id - The ID of the application.

# » Data Source: newrelic\_plugin

Use this data source to get information about a specific installed plugin in New Relic. More information on Terraform's data sources can be found here.

Each plugin published to New Relic's Plugin Central is assigned a GUID. Once you have installed a plugin into your account it is assigned an ID. This account-specific ID is required when creating Plugins alert conditions.

# » Example Usage

```
data "newrelic_plugin" "foo" {
 guid = "com.example.my-plugin"
resource "newrelic_alert_policy" "foo" {
 name = "foo"
}
resource "newrelic_plugins_alert_condition" "foo" {
                    = newrelic_alert_policy.foo.id
 policy_id
                    = "foo"
 name
 metric
                   = "Component/Summary/Consumers[consumers]"
                    = data.newrelic_plugin.foo.id
 plugin_id
 plugin_guid
                    = data.newrelic_plugin.foo.guid
 value_function
                    = "average"
 metric_description = "Queue consumers"
 term {
   duration
                 = 5
   operator
                 = "below"
                 = "critical"
   priority
                 = "0.75"
   threshold
   time_function = "all"
}
```

# » Argument Reference

The following arguments are supported:

• guid - (Required) The GUID of the plugin in New Relic.

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

• id - The ID of the installed plugin instance.

# » Data Source: newrelic\_plugin\_component

Use this data source to get information about a single plugin component in New Relic that already exists. More information on Terraform's data sources can be found here.

Each plugin component reporting into to New Relic is assigned a unique ID. Once you have a plugin component reporting data into your account, its component ID can be used to create Plugins alert conditions.

```
data "newrelic_plugin" "foo" {
  guid = "com.example.my-plugin"
data "newrelic_plugin_component" "foo" {
 plugin_id = data.newrelic_plugin.foo.id
 name = "My Plugin Component"
resource "newrelic_alert_policy" "foo" {
 name = "foo"
}
resource "newrelic_plugins_alert_condition" "foo" {
                    = newrelic_alert_policy.foo.id
 policy_id
                    = "foo"
 name
                    = "Component/Summary/Consumers[consumers]"
 metric
                    = data.newrelic_plugin.foo.id
 plugin_id
 plugin_guid
                    = data.newrelic_plugin.foo.guid
 entities
                     = [data.newrelic_plugin_component.foo.id]
                    = "average"
  value_function
 metric_description = "Queue consumers"
```

```
term {
  duration = 5
  operator = "below"
  priority = "critical"
  threshold = "0.75"
  time_function = "all"
  }
}
```

The following arguments are supported:

- plugin\_id (Required) The ID of the plugin instance this component belongs to.
- name (Required) The name of the plugin component.

## » Attributes Reference

In addition to all arguments above, the following attributes are exported:

- id The ID of the plugin component.
- health\_status The health status of the plugin component.

# » Data Source: newrelic\_synthetics\_monitor

Use this data source to get information about a specific synthetics monitor in New Relic that already exists. This can be used to set up a Synthetics alert condition.

```
data "newrelic_synthetics_monitor" "bar" {
   name = "bar"
}

resource "newrelic_synthetics_alert_condition" "baz" {
   policy_id = newrelic_alert_policy.foo.id

   name = "baz"
   monitor_id = data.newrelic_synthetics_monitor.bar.id
   runbook_url = "https://www.example.com"
}
```

The following arguments are supported:

• name - (Required) The name of the synthetics monitor in New Relic.

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

• monitor\_id - The ID of the synthetics monitor.

# » Data Source: newrelic\_synthetics\_secure\_credential

Use this data source to get information about a specific Synthetics secure credential in New Relic that already exists.

Note that the secure credential's value is not returned as an attribute for security reasons.

## » Example Usage

```
data "newrelic_synthetics_secure_credential" "foo" {
   key = "MY_KEY"
}
```

## » Argument Reference

The following arguments are supported:

• key - (Required) The secure credential's key name. Regardless of the case used in the configuration, the provider will provide an upcased key to the underlying API.

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

- description The secure credential's description.
- created\_at The time the secure credential was created.
- last\_updated The time the secure credential was last updated.

# » Resource: newrelic\_alert\_channel

Use this resource to create and manage New Relic alert policies.

## » Example Usage

#### » Email

```
resource "newrelic_alert_channel" "foo" {
  name = "foo"
  type = "email"

config {
  recipients = "foo@example.com"
  include_json_attachment = "1"
  }
}
```

See additional examples.

## » Argument Reference

The following arguments are supported:

- name (Required) The name of the channel.
- type (Required) The type of channel. One of: email, slack, opsgenie, pagerduty, victorops, or webhook.
- config (Optional) A nested block that describes an alert channel configuration. Only one config block is permitted per alert channel definition. See Nested config blocks below for details.
- configuration Deprecated (Optional) A map of key/value pairs with channel type specific values. This argument is deprecated. Use the config argument instead.

#### » Nested config blocks

Each alert channel type supports a specific set of arguments for the config block:

- email
  - recipients (Required) Comma delimited list of email addresses.
  - include\_json\_attachment (Optional) 0 or 1. Flag for whether or not to attach a JSON document containing information about the associated alert to the email that is sent to recipients.
- webhook

- base\_url (Required) The base URL of the webhook destination.
- auth\_password (Optional) Specifies an authentication password for use with a channel. Supported by the webhook channel type.
- auth\_type (Optional) Specifies an authentication method for use with a channel. Supported by the webhook channel type. Only HTTP basic authentication is currently supported via the value BASIC.
- auth\_username (Optional) Specifies an authentication username for use with a channel. Supported by the webhook channel type.
- headers (Optional) A map of key/value pairs that represents extra HTTP headers to be sent along with the webhook payload.
- headers\_string (Optional) Use instead of headers if the desired payload is more complex than a list of key/value pairs (e.g. a set of headers that makes use of nested objects). The value provided should be a valid JSON string with escaped double quotes. Conflicts with headers.
- payload (Optional) A map of key/value pairs that represents the webhook payload. Must provide payload\_type if setting this argument.
- payload\_string (Optional) Use instead of payload if the desired payload is more complex than a list of key/value pairs (e.g. a payload that makes use of nested objects). The value provided should be a valid JSON string with escaped double quotes. Conflicts with payload.
- payload\_type (Optional) Can either be application/json or application/x-www-form-urlencoded. The payload\_type argument is required if payload is set.

#### · pagerduty

 service\_key - (Required) Specifies the service key for integrating with Pagerduty.

#### • victorops

- key (Required) The key for integrating with VictorOps.
- route\_key (Required) The route key for integrating with VictorOps.

#### • slack

- url (Required) Your organization's Slack URL.
- channel (Optional) The Slack channel to send notifications to.

#### opsgenie

- api\_key (Required) The API key for integrating with OpsGenie.
- region (Required) The data center region to store your data. Valid values are US and EU. Default is US.
- teams (Optional) A set of teams for targeting notifications. Multiple values are comma separated.
- tags (Optional) A set of tags for targeting notifications. Multiple values are comma separated.
- recipients (Optional) A set of recipients for targeting notifications.
   Multiple values are comma separated.

## » Attributes Reference

In addition to all arguments above, the following attributes are exported:

• id - The ID of the channel.

# » Additional Examples

```
» Slack
resource "newrelic_alert_channel" "foo" {
  name = "slack-example"
  type = "slack"
  config {
            = "https://<YourOrganization>.slack.com"
    url
    channel = "example-alerts-channel"
}
» OpsGenie
resource "newrelic_alert_channel" "foo" {
  name = "opsgenie-example"
  type = "opsgenie"
  config {
              = "abc123"
    api_key
    teams
              = "team1, team2"
              = "tag1, tag2"
    recipients = "user1@domain.com, user2@domain.com"
  }
}
» PagerDuty
resource "newrelic_alert_channel" "foo" {
  name = "pagerduty-example"
  type = "pagerduty"
  config {
    service_key = "abc123"
  }
}
```

```
» VictorOps
resource "newrelic_alert_channel" "foo" {
  name = "victorops-example"
  type = "victorops"
  config {
              = "abc123"
    key
    route_key = "/example"
  }
}
» Webhook
resource "newrelic_alert_channel" "foo" {
  name = "webhook-example"
  type = "webhook"
  config {
    base_url = "http://www.test.com"
    payload_type = "application/json"
    payload = {
      condition_name = "$CONDITION_NAME"
      policy_name = "$POLICY_NAME"
    headers = {
      header1 = value1
      header2 = value2
    }
  }
}
» Webhook with complex payload
resource "newrelic_alert_channel" "foo" {
  name = "webhook-example"
  type = "webhook"
  config {
    base_url = "http://www.test.com"
    payload_type = "application/json"
    payload_string = <<EOF</pre>
  "my_custom_values": {
    "condition_name": "$CONDITION_NAME",
```

```
"policy_name": "$POLICY_NAME"
}
EOF
}
```

## » Import

Alert channels can be imported using the id, e.g.

\$ terraform import newrelic\_alert\_channel.main <id>

# » Resource: newrelic\_alert\_condition

Use this resource to create and manage alert conditions for APM, Browser, and Mobile in New Relic.

```
data "newrelic_application" "app" {
 name = "my-app"
}
resource "newrelic_alert_policy" "foo" {
 name = "foo"
resource "newrelic_alert_condition" "foo" {
 policy_id = newrelic_alert_policy.foo.id
 name
             = "foo"
            = "apm_app_metric"
 type
  entities = [data.newrelic_application.app.id]
             = "apdex"
 metric
 runbook_url = "https://www.example.com"
  condition_scope = "application"
  term {
    duration
                 = 5
                 = "below"
    operator
                 = "critical"
    priority
                 = "0.75"
    threshold
```

```
time_function = "all"
}
```

The following arguments are supported:

- policy\_id (Required) The ID of the policy where this condition should be used.
- name (Required) The title of the condition. Must be between 1 and 64 characters, inclusive.
- type (Required) The type of condition. One of: apm\_app\_metric, apm\_kt\_metric, browser\_metric, mobile\_metric
- entities (Required) The instance IDs associated with this condition.
- metric (Required) The metric field accepts parameters based on the type set. One of these metrics based on type:

```
- apm_app_metric
   * apdex
   * error_percentage
   * response_time_background
   * response_time_web
   * throughput_background
   * throughput_web
   * user_defined
- apm_kt_metric
   * apdex
   * error count
   * error_percentage
   * response_time
   * throughput
- browser metric
   * ajax_response_time
   * ajax_throughput
   * dom_processing
   * end_user_apdex
   * network
   * page_rendering
   * page_view_throughput
   * page_views_with_js_errors
   * request_queuing
   * total_page_load
   * user_defined
   * web_application
- mobile metric
```

- \* database
- \* images
- \* json
- \* mobile\_crash\_rate
- \* network\_error\_percentage
- \* network
- \* status\_error\_percentage
- \* user\_defined
- \* view loading
- condition\_scope (Required for some types) application or instance. Choose application for most scenarios. If you are using the JVM plugin in New Relic, the instance setting allows your condition to trigger for specific app instances.
- enabled (Optional) Whether the condition is enabled or not. Defaults to true.
- gc\_metric (Optional) A valid Garbage Collection metric e.g. GC/G1 Young Generation.
- violation\_close\_timer (Optional) Automatically close instance-based violations, including JVM health metric violations, after the number of hours specified. Must be: 1, 2, 4, 8, 12 or 24.
- runbook\_url (Optional) Runbook URL to display in notifications.
- term (Required) A list of terms for this condition. See Terms below for details
- user\_defined\_metric (Optional) A custom metric to be evaluated.
- user\_defined\_value\_function (Optional) One of: average, min, max, total, or sample size.

### » Terms

The term mapping supports the following arguments:

- duration (Required) In minutes, must be in the range of 5 to 120, inclusive.
- operator (Optional) above, below, or equal. Defaults to equal.
- priority (Optional) critical or warning. Defaults to critical. Terms must include at least one critical priority term
- threshold (Required) Must be 0 or greater.
- time\_function (Required) all or any.

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

• id - The ID of the alert condition.

## » Import

Alert conditions can be imported using notation alert\_policy\_id:alert\_condition\_id, e.g.

\$ terraform import newrelic\_alert\_condition.main 123456:6789012345

# » Resource: newrelic\_alert\_policy

Use this resource to create and manage New Relic alert policies.

# » Example Usage

See additional examples.

```
resource "newrelic_alert_policy" "foo" {
  name = "example"
  incident_preference = "PER_POLICY" # PER_POLICY is default
}
```

# » Argument Reference

The following arguments are supported:

- name (Required) The name of the policy.
- incident\_preference (Optional) The rollup strategy for the policy. Options include: PER\_POLICY, PER\_CONDITION, or PER\_CONDITION\_AND\_TARGET. The default is PER\_POLICY.
- channel\_ids (Optional) An array of channel IDs (integers) to assign to the policy. Adding or removing channel IDs from this array will result in a new alert policy resource being created and the old one being destroyed. Also note that channel IDs cannot be imported via terraform import (see Import for info).

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

- id The ID of the policy.
- created\_at The time the policy was created.
- updated\_at The time the policy was last updated.

## » Additional Examples

```
» Provision multiple notification channels and add those channels to
a policy
# Provision a Slack notification channel.
resource "newrelic_alert_channel" "slack_channel" {
 name = "slack-example"
 type = "slack"
  config {
            = "https://hooks.slack.com/services/<****>/<****>
    channel = "example-alerts-channel"
# Provision an email notification channel.
resource "newrelic_alert_channel" "email_channel" {
 name = "email-example"
 type = "email"
  config {
   recipients
                            = "example@testing.com"
   include_json_attachment = "1"
 }
}
# Provision the alert policy.
resource "newrelic_alert_policy" "policy_with_channels" {
                      = "example-with-channels"
  incident_preference = "PER_CONDITION"
  # Add the provisioned channels to the policy.
  channel_ids = [
   newrelic_alert_channel.slack_channel.id,
    newrelic_alert_channel.email_channel.id,
 ]
}
» Reference existing notification channels and add those channel to
a policy
# Reference an existing Slack notification channel.
data "newrelic_alert_channel" "slack_channel" {
  name = "slack-channel-notification"
}
```

```
# Reference an existing email notification channel.
data "newrelic_alert_channel" "email_channel" {
    name = "test@example.com"
}

# Provision the alert policy.
resource "newrelic_alert_policy" "policy_with_channels" {
    name = "example-with-channels"
    incident_preference = "PER_CONDITION"

# Add the referenced channels to the policy.
channel_ids = [
    data.newrelic_alert_channel.slack_channel.id,
    data.newrelic_alert_channel.email_channel.id,
]
}
```

### » Import

Alert policies can be imported using the resource's id.

Example import:

```
$ terraform import newrelic_alert_policy.policy_with_channels 23423556
```

Please note that channel IDs (channel\_ids) cannot be imported due channels being a separate resource. However, to add channels to an imported alert policy, you can import the policy, add the channel\_ids attribute with the associated channel IDs, then run terraform apply. This will result in the original alert policy being destroyed and a new alert policy being created along with the channels being added to the policy.

# » Resource: newrelic\_alert\_policy\_channel

Use this resource to map alert policies to alert channels in New Relic.

#### » Example Usage

The example below will apply multiple alert channels to an existing New Relic alert policy.

```
# Fetches the data for this policy from your New Relic account
# and is referenced in the newrelic_alert_policy_channel block below.
data "newrelic_alert_policy" "example_policy" {
 name = "my-alert-policy"
# Creates an email alert channel.
resource "newrelic_alert_channel" "email_channel" {
 name = "bar"
 type = "email"
  config {
   recipients
                            = "foo@example.com"
    include_json_attachment = "1"
 }
}
# Creates a Slack alert channel.
resource "newrelic_alert_channel" "slack_channel" {
 name = "slack-channel-example"
 type = "slack"
  config {
    channel = "#example-channel"
          = "http://example-org.slack.com"
}
# Applies the created channels above to the alert policy
# referenced at the top of the config.
resource "newrelic_alert_policy_channel" "foo" {
 policy_id = newrelic_alert_policy.example_policy.id
  channel ids = [
    data.newrelic_alert_channel.email_channel.id,
    data.newrelic_alert_channel.slack_channel.id
 ]
}
```

The following arguments are supported:

- policy\_id (Required) The ID of the policy.
- channel\_ids (Optional\*) Array of channel IDs to apply to the specified policy. We recommended sorting channel IDs in ascending order to avoid

drift your Terraform state.

• channel\_id - Deprecated! (Optional\*) The ID of the channel. Please use the channel\_ids argument instead.

## » Import

\$ terraform import newrelic\_alert\_policy\_channel.foo 123456:3462754:2938324

When importing newrelic\_alert\_policy\_channel resource, the attribute channel\_ids\* will be set in your Terraform state. You can import multiple channels as long as those channel IDs are included as part of the import ID hash.

\*Note: The attribute **channel\_id** is deprecated and will not be set when importing this resource.

# » Resource: newrelic\_application\_label

» DEPRECATED! Use at your own risk. This feature may be removed in the next major release.

Use this resource to create, update, and delete an Application label in New Relic.

```
data "newrelic_application" "app1" {
   name="myapp1"
}

data "newrelic_application" "app2" {
   name="myapp2"
}

resource "newrelic_application_label" "foo" {
   category = "Team"
   name = "MyTeam"
   links {
      applications = [
         data.newrelic_application.app1.id,
         data.newrelic_application.app2.id
```

<sup>\*</sup>Note: Even though **channel\_id** and **channel\_ids** are optional, at least one of those arguments must be used for this resource to work

```
]
servers = []
}
```

The following arguments are supported:

- category (Required) A string representing the label key/category.
- name (Required) A string that will be assigned to the label.
- links (Required) The resources to which label should be assigned to. At least one of the following attributes must be set.
  - applications An array of application IDs.
  - servers An array of server IDs.

### » Import

Application labels can be imported using a concatenated category and name, e.g.

\$ terraform import newrelic\_application\_label.my\_label <CATEGORY>:<NAME>

# » Resource: newrelic\_dashboard

Use this resource to create and manage New Relic dashboards.

## » Example Usage: Create a New Relic Dashboard

```
data "newrelic_application" "my_application" {
  name = "My Application"
}

resource "newrelic_dashboard" "exampledash" {
  title = "New Relic Terraform Example"

filter {
  event_types = [
    "Transaction"
  ]
  attributes = [
    "appName",
```

```
"name"
 ]
}
widget {
  title = "Requests per minute"
  visualization = "billboard"
  nrql = "SELECT rate(count(*), 1 minute) FROM Transaction"
  row = 1
  column = 1
widget {
  title = "Error rate"
  visualization = "gauge"
  nrql = "SELECT percentage(count(*), WHERE error IS True) FROM Transaction"
  threshold_red = 2.5
  row = 1
  column = 2
}
widget {
  title = "Average transaction duration, by application"
  visualization = "facet_bar_chart"
  nrql = "SELECT average(duration) FROM Transaction FACET appName"
 row = 1
  column = 3
widget {
  title = "Apdex, top 5 by host"
  duration = 1800000
  visualization = "metric_line_chart"
  entity_ids = [
    data.newrelic_application.my_application.id,
  ]
  metric {
      name = "Apdex"
      values = [ "score" ]
  }
  facet = "host"
  limit = 5
  row = 2
  column = 1
```

```
widget {
   title = "Requests per minute, by transaction"
   visualization = "facet_table"
   nrql = "SELECT rate(count(*), 1 minute) FROM Transaction FACET name"
   row = 2
   column = 2
}

widget {
   title = "Dashboard Note"
   visualization = "markdown"
   source = "### Helpful Links\n\n* [New Relic One](https://one.newrelic.com)\n* [Developer row = 2
   column = 3
}
```

The following arguments are supported:

- title (Required) The title of the dashboard.
- icon (Optional) The icon for the dashboard. Valid values are adjust, archive, bar-chart, bell, bolt, bug, bullhorn, bullseye, clock-o, cloud, cog, comments-o, crosshairs, dashboard, envelope, fire, flag, flask, globe, heart, leaf, legal, life-ring, line-chart, magic, mobile, money, none, paper-plane, pie-chart, puzzle-piece, road, rocket, shopping-cart, sitemap, sliders, tablet, thumbs-down, thumbs-up, trophy, usd, user, and users. Defaults to bar-chart.
- visibility (Optional) Determines who can see the dashboard in an account. Valid values are all or owner. Defaults to all.
- editable (Optional) Determines who can edit the dashboard in an account. Valid values are all, editable\_by\_all, editable\_by\_owner, or read\_only. Defaults to editable\_by\_all.
- widget (Optional) A nested block that describes a visualization. Up to 300 widget blocks are allowed in a dashboard definition. See Nested widget blocks below for details.
- filter (Optional) A nested block that describes a dashboard filter. Exactly one nested filter block is allowed. See Nested filter block below for details.

#### » Attribute Refence

In addition to all arguments above, the following attributes are exported:

• dashboard\_url - The URL for viewing the dashboard.

#### » Nested widget blocks

All nested widget blocks support the following common arguments:

- title (Required) A title for the widget.
- visualization (Required) How the widget visualizes data. Valid values are billboard, gauge, billboard\_comparison, facet\_bar\_chart, faceted\_line\_chart, facet\_pie\_chart, facet\_table, faceted\_area\_chart, heatmap, attribute\_sheet, single\_event, histogram, funnel, raw\_json, event\_feed, event\_table, uniques\_list, line\_chart, comparison\_line\_chart, markdown, and metric\_line\_chart.
- row (Required) Row position of widget from top left, starting at 1.
- column (Required) Column position of widget from top left, starting at 1.
- width (Optional) Width of the widget. Valid values are 1 to 3 inclusive.
   Defaults to 1.
- height (Optional) Height of the widget. Valid values are 1 to 3 inclusive.
   Defaults to 1.
- notes (Optional) Description of the widget.

Each visualization type supports an additional set of arguments:

- billboard, billboard comparison:
  - nrql (Required) Valid NRQL query string. See Writing NRQL Queries for help.
  - threshold\_red (Optional) Threshold above which the displayed value will be styled with a red color.
  - threshold\_yellow (Optional) Threshold above which the displayed value will be styled with a yellow color.
- gauge:
  - nrql (Required) Valid NRQL query string. See Writing NRQL Queries for help.
  - threshold\_red (Required) Threshold above which the displayed value will be styled with a red color.
  - threshold\_yellow (Optional) Threshold above which the displayed value will be styled with a yellow color.
- facet\_bar\_chart, facet\_pie\_chart, facet\_table, faceted\_area\_chart, faceted\_line\_chart, or heatmap:
  - nrql (Required) Valid NRQL query string. See Writing NRQL Queries for help.
  - drilldown\_dashboard\_id (Optional) The ID of a dashboard to link to from the widget's facets.
- attribute\_sheet, comparison\_line\_chart, event\_feed, event\_table, funnel, histogram, line\_chart, raw\_json, single\_event, or

#### uniques\_list:

 nrql - (Required) Valid NRQL query string. See Writing NRQL Queries for help.

### • markdown:

 source - (Required) The markdown source to be rendered in the widget.

#### • metric\_line\_chart:

- entity\_ids (Required) A collection of entity ids to display data for. These are typically application IDs.
- metric (Required) A nested block that describes a metric. Nested metric blocks support the following arguments:
  - \* name (Required) The metric name to display.
  - \* values (Required) The metric values to display.
- duration (Required) The duration, in ms, of the time window represented in the chart.
- end\_time (Optional) The end time of the time window represented in the chart in epoch time. When not set, the time window will end at the current time.
- facet (Optional) Can be set to "host" to facet the metric data by host.
- limit (Optional) The limit of distinct data series to display.

#### • application\_breakdown:

entity\_ids - (Required) A collection of entity IDs to display data.
 These are typically application IDs.

#### » Nested filter block

The optional filter block supports the following arguments: \* event\_types - (Optional) A list of event types to enable filtering for. \* attributes - (Optional) A list of attributes belonging to the specified event types to enable filtering for.

#### » Import

New Relic dashboards can be imported using their ID, e.g.

\$ terraform import newrelic\_dashboard.my\_dashboard 8675309

# » Resource: newrelic infra alert condition

Use this resource to create and manage Infrastructure alert conditions in New Relic.

```
resource "newrelic_alert_policy" "foo" {
 name = "foo"
resource "newrelic_infra_alert_condition" "high_disk_usage" {
 policy_id = newrelic_alert_policy.foo.id
            = "High disk usage"
 name
           = "infra_metric"
  type
            = "StorageSample"
  event
            = "diskUsedPercent"
  select
  comparison = "above"
 where
            = "(`hostname` LIKE '%frontend%')"
  critical {
   duration
                 = 25
                = 90
    value
   time_function = "all"
  warning {
                 = 10
   duration
   value
                 = 90
   time_function = "all"
 }
}
resource "newrelic_infra_alert_condition" "high_db_conn_count" {
 policy_id = newrelic_alert_policy.foo.id
 name
            = "High database connection count"
            = "infra_metric"
  type
            = "DatastoreSample"
  event
            = "provider.databaseConnections.Average"
  select
  comparison = "above"
            = "(`hostname` LIKE '%db%')"
 where
  integration_provider = "RdsDbInstance"
  critical {
                 = 25
    duration
    value
                 = 90
   time_function = "all"
```

```
}
resource "newrelic_infra_alert_condition" "process_not_running" {
 policy_id = newrelic_alert_policy.foo.id
                   = "Process not running (/usr/bin/ruby)"
 name
                   = "infra_process_running"
  type
                   = "equal"
  comparison
                   = "`commandName` = '/usr/bin/ruby'"
 process where
  critical {
    duration
                  = 5
    value
 }
}
resource "newrelic_infra_alert_condition" "host_not_reporting" {
 policy_id = newrelic_alert_policy.foo.id
 name
             = "Host not reporting"
             = "infra_host_not_reporting"
  type
             = "StorageSample"
  event
             = "diskUsedPercent"
  select
             = "(`hostname` LIKE '%frontend%')"
  where
  critical {
    duration = 5
}
```

The following arguments are supported:

- policy\_id (Required) The ID of the alert policy where this condition should be used.
- name (Required) The Infrastructure alert condition's name.
- type (Required) The type of Infrastructure alert condition. Valid values are infra\_process\_running, infra\_metric, and infra\_host\_not\_reporting.
- event (Required) The metric event; for example, SystemSample or StorageSample. Supported by the infra\_metric condition type.
- select (Required) The attribute name to identify the metric being targeted; for example, cpuPercent, diskFreePercent, or memoryResidentSizeBytes. The underlying API will automatically populate this value for Infrastructure integrations (for example

- diskFreePercent), so make sure to explicitly include this value to avoid diff issues. Supported by the infra\_metric condition type.
- comparison (Required) The operator used to evaluate the threshold value. Valid values are above, below, and equal. Supported by the infra\_metric and infra\_process\_running condition types.
- critical (Required) Identifies the threshold parameters for opening a critical alert violation. See Thresholds below for details.
- warning (Optional) Identifies the threshold parameters for opening a warning alert violation. See Thresholds below for details.
- enabled (Optional) Whether the condition is turned on or off. Valid values are true and false. Defaults to true.
- where (Optional) If applicable, this identifies any Infrastructure host filters used; for example: hostname LIKE '%cassandra%'.
- process\_where (Optional) Any filters applied to processes; for example: commandName = 'java'. Supported by the infra\_process\_running condition type.
- integration\_provider (Optional) For alerts on integrations, use this instead of event. Supported by the infra\_metric condition type.
- runbook\_url (Optional) Runbook URL to display in notifications.
- violation\_close\_timer (Optional) Determines how much time will pass before a violation is automatically closed. Setting the time limit to 0 prevents a violation from being force-closed.

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

- id The ID of the Infrastructure alert condition.
- created at The timestamp the alert condition was created.
- updated at The timestamp the alert condition was last updated.

#### » Thresholds

The critical and warning threshold mapping supports the following arguments:

- duration (Required) Identifies the number of minutes the threshold must be passed or met for the alert to trigger. Threshold durations must be between 1 and 60 minutes (inclusive).
- value (Optional) Threshold value, computed against the comparison operator. Supported by infra\_metric and infra\_process\_running alert condition types.
- time\_function (Optional) Indicates if the condition needs to be sustained or to just break the threshold once; all or any. Supported by the infra\_metric alert condition type.

# » Import

Infrastructure alert conditions can be imported using a composite ID of condition\_id>, e.g.

\$ terraform import newrelic\_infra\_alert\_condition.main 12345:67890

# » Resource: newrelic\_insights\_event

Use this resource to create one or more Insights events during a terraform run.

# » Example Usage

```
resource "newrelic_insights_event" "foo" {
  event {
    type = "MyEvent"
    timestamp = 1232471100
    attribute {
     key = "a_string_attribute"
      value = "a string"
    attribute {
     key = "an_integer_attribute"
     value = 42
      type = "int"
    attribute {
     key = "a_float_attribute"
      value = 101.1
      type = "float"
 }
}
```

# » Argument Reference

The following arguments are supported:

• event - (Required) An event to insert into Insights. Multiple event blocks can be defined. See Events below for details.

#### » Events

The event mapping supports the following arguments:

- type (Required) The event's name. Can be a combination of alphanumeric characters, underscores, and colons.
- timestamp (Optional) Must be a Unix epoch timestamp. You can define timestamps either in seconds or in milliseconds.
- attribute (Required) An attribute to include in your event payload. Multiple attribute blocks can be defined for an event. See Attributes below for details.

#### » Attributes

The attribute mapping supports the following arguments:

- key (Required) The name of the attribute.
- value (Required) The value of the attribute.
- type (Optional) Specify the type for the attribute value. This is useful when passing integer or float values to Insights. Allowed values are string, int, or float. Defaults to string.

# » Resource: newrelic\_nrql\_alert\_condition

Use this resource to create and manage NRQL alert conditions in New Relic.

```
» Type: static (default)
resource "newrelic_alert_policy" "foo" {
  name = "foo"
}

resource "newrelic_nrql_alert_condition" "foo" {
  policy_id = newrelic_alert_policy.foo.id

name = "foo"
  type = "static"
  runbook_url = "https://www.example.com"
  enabled = true

term {
  duration = 5
```

```
operator = "below"
priority = "critical"
threshold = "1"
time_function = "all"
}

nrql {
  query = "SELECT count(*) FROM SyntheticCheck WHERE monitorId = '<monitorId>'"
  since_value = "3"
}

value_function = "single_value"
}
```

See additional examples.

#### » Argument Reference

The following arguments are supported:

- policy\_id (Required) The ID of the policy where this condition should be used.
- name (Required) The title of the condition.
- type (Optional) The type of the condition. Valid values are static or outlier. Defaults to static.
- runbook\_url (Optional) Runbook URL to display in notifications.
- enabled (Optional) Whether to enable the alert condition. Valid values are true and false. Defaults to true.
- term (Required) A list of terms for this condition. See Terms below for details.
- $\tt nrql$  (Required) A NRQL query. See NRQL below for details.
- value\_function (Optional) Possible values are single\_value, sum.
- expected\_groups (Optional) Number of expected groups when using outlier detection.
- ignore\_overlap (Optional) Whether to look for a convergence of groups when using outlier detection.
- violation\_time\_limit\_seconds (Optional) Sets a time limit, in seconds, that will automatically force-close a long-lasting violation after the time limit you select. Possible values are 3600, 7200, 14400, 28800, 43200, and 86400.

#### » Terms

The term mapping supports the following arguments:

- duration (Required) In minutes, must be in the range of 1 to 120, inclusive.
- operator (Optional) above, below, or equal. Defaults to equal.
- priority (Optional) critical or warning. Defaults to critical.
- threshold (Required) Must be 0 or greater.
- time\_function (Required) all or any.

## » NRQL

The nrql attribute supports the following arguments:

- query (Required) The NRQL query to execute for the condition.
- since\_value (Required) The value to be used in the SINCE <X> MINUTES AGO clause for the NRQL query. Must be between 1 and 20.

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

• id - The ID of the NRQL alert condition.

# » Additional Examples

```
» Type: outlier
resource "newrelic_alert_policy" "foo" {
 name = "foo"
}
resource "newrelic_nrql_alert_condition" "foo" {
 policy_id = newrelic_alert_policy.foo.id
              = "outlier-example"
 runbook_url = "https://bar.example.com"
  enabled
              = true
  term {
    duration
                 = 10
   operator
                 = "above"
                 = "critical"
   priority
    threshold
                  = "0.65"
    time_function = "all"
 nrql {
```

```
query = "SELECT percentile(duration, 99) FROM Transaction FACET remote_ip"
    since_value = "3"
}
type = "outlier"
expected_groups = 2
ignore_overlap = true
}
```

### » Import

Alert conditions can be imported using a composite ID of <policy\_id>:<condition\_id>, e.g.

\$ terraform import newrelic\_nrql\_alert\_condition.main 12345:67890

The actual values for policy\_id and condition\_id can be retrieved from the following URL when looking at the alert condition:

https://alerts.newrelic.com/accounts/<account\_id>/policies/<policy\_id>/conditions/<condition\_id>/

# » Resource: newrelic\_plugins\_alert\_condition

Use this resource to create and manage plugins alert conditions in New Relic.

```
data "newrelic_plugin" "foo" {
  guid = "com.example.my-plugin"
}
data "newrelic_plugin_component" "foo" {
   plugin_id = data.newrelic_plugin.foo.id
   name = "MyPlugin"
}
resource "newrelic_alert_policy" "foo" {
 name = "foo"
}
resource "newrelic_plugins_alert_condition" "foo" {
                    = newrelic_alert_policy.foo.id
 policy_id
                     = "foo"
 name
  entities
                    = [data.newrelic_plugin_component.foo.id]
 metric
                     = "Component/Summary/Consumers[consumers]"
```

```
plugin_id
                     = data.newrelic_plugin.foo.id
                     = data.newrelic_plugin.foo.guid
 plugin_guid
 value function
                     = "average"
 metric_description = "Queue consumers"
  term {
    duration
    operator
                  = "below"
                  = "critical"
    priority
                  = "0.75"
    threshold
    time_function = "all"
 }
}
```

The following arguments are supported:

- policy\_id (Required) The ID of the policy where this condition should be used.
- name (Required) The title of the condition. Must be between 1 and 64 characters, inclusive.
- metric (Required) The plugin metric to evaluate.
- entities (Required) The plugin component IDs to target.
- plugin\_id (Required) The ID of the installed plugin instance which produces the metric.
- plugin\_guid (Required) The GUID of the plugin which produces the metric.
- metric\_description (Required) The metric description.
- value\_function (Required) The value function to apply to the metric data. One of min, max, average, sample\_size, total, or percent.
- runbook\_url (Optional) Runbook URL to display in notifications.
- enabled (Optional) Whether or not this condition is enabled.
- term (Required) A list of terms for this condition. See Terms below for details.

#### » Terms

The term mapping supports the following arguments:

- duration (Required) In minutes, must be in the range of 5 to 120, inclusive.
- operator (Optional) above, below, or equal. Defaults to equal.
- priority (Optional) critical or warning. Defaults to critical.
- threshold (Required) Must be 0 or greater.

• time\_function - (Required) all or any.

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

• id - The ID of the alert condition.

# » Import

Alert conditions can be imported using the id, e.g.

\$ terraform import newrelic\_plugins\_alert\_condition.main 12345

# » Resource: newrelic\_synthetics\_alert\_condition

Use this resource to create and manage synthetics alert conditions in New Relic.

## » Example Usage

```
data "newrelic_synthetics_monitor" "foo" {
   name = "foo"
}

resource "newrelic_synthetics_alert_condition" "foo" {
   policy_id = newrelic_alert_policy.foo.id

   name = "foo"
   monitor_id = data.newrelic_synthetics_monitor.foo.id
   runbook_url = "https://www.example.com"
}
```

### » Argument Reference

The following arguments are supported:

- policy\_id (Required) The ID of the policy where this condition should be used.
- name (Required) The title of this condition.
- monitor\_id (Required) The ID of the Synthetics monitor to be referenced in the alert condition.
- runbook\_url (Optional) Runbook URL to display in notifications.

• enabled - (Optional) Set whether to enable the alert condition. Defaults to true.

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

• id - The ID of the Synthetics alert condition.

### » Import

Synthetics alert conditions can be imported using a composite ID of <policy\_id>:<condition\_id>, e.g.

\$ terraform import newrelic\_synthetics\_alert\_condition.main 12345:67890

# » Resource: newrelic\_synthetics\_label

Use this resource to create, update, and delete a Synthetics label in New Relic.

# » Example Usage

```
resource "newrelic_synthetics_label" "foo" {
  monitor_id = newrelic_synthetics_monitor.foo.id
  type = "MyCategory"
  value = "MyValue"
}
```

## » Argument Reference

The following arguments are supported:

- monitor\_id (Required) The ID of the monitor that will be assigned the label
- type (Required) A string representing the label key/category.
- value (Required) A string representing the label value.

#### » Attributes Reference

The following attributes are exported:

• href - The URL of the Synthetics label.

## » Import

Synthetics labels can be imported using an ID in the format <monitor\_id>:<type>:<value>, e.g.

\$ terraform import newrelic\_synthetics\_labels.foo 1a272364-f204-4cd3-ae2a-2d15a2bedadd:MyCa

# » Resource: newrelic\_synthetics\_monitor

Use this resource to create, update, and delete a synthetics monitor in New Relic.

### » Example Usage

See additional examples.

#### » Argument Reference

The following arguments are supported:

- name (Required) The title of this monitor.
- type (Required) The monitor type. Valid values are SIMPLE, BROWSER, SCRIPT\_BROWSER, and SCRIPT\_API.
- frequency (Required) The interval (in minutes) at which this monitor should run.
- status (Required) The monitor status (i.e. ENABLED, MUTED, DISABLED).
- locations (Required) The locations in which this monitor should be run.
- sla\_threshold (Optional) The base threshold for the SLA report.

The SIMPLE monitor type supports the following additional arguments:

- uri (Required) The URI for the monitor to hit.
- validation\_string (Optional) The string to validate against in the response.
- verify\_ssl (Optional) Verify SSL.
- bypass\_head\_request (Optional) Bypass HEAD request.
- treat\_redirect\_as\_failure (Optional) Fail the monitor check if redirected.

The BROWSER monitor type supports the following additional arguments:

- uri (Required) The URI for the monitor to hit.
- validation\_string (Optional) The string to validate against in the response.
- verify\_ssl (Optional) Verify SSL.

### » Attributes Reference

The following attributes are exported:

• id - The ID of the Synthetics monitor.

# » Additional Examples

frequency = 5
status = "ENABLED"

locations = ["AWS\_US\_EAST\_1"]

```
Type: BROWSER
resource "newrelic synthetics monitor" "foo" {
 name = "foo"
  type = "BROWSER"
 frequency = 5
  status = "ENABLED"
 locations = ["AWS_US_EAST_1"]
                            = "https://example.com"
                                                                   # required for type "SIMPI
 uri
                            = "add example validation check here" # optional for type "SIMP
 validation_string
 verify_ssl
                            = true
                                                                   # optional for type "SIMPI
 bypass_head_request
                                                                   # Note: optional for type
                           = true
  treat_redirect_as_failure = true
                                                                   # Note: optional for type
}
Type: SCRIPT_BROWSER
resource "newrelic synthetics monitor" "foo" {
 name = "foo"
 type = "SCRIPT_BROWSER"
```

```
Type: SCRIPT_API

resource "newrelic_synthetics_monitor" "foo" {
  name = "foo"
  type = "SCRIPT_API"
  frequency = 5
  status = "ENABLED"
  locations = ["AWS_US_EAST_1"]
}
```

# » Import

Synthetics monitors can be imported using the id, e.g.

\$ terraform import newrelic\_synthetics\_monitor.main <id>

# » Resource: newrelic\_synthetics\_monitor\_script

Use this resource to update a synthetics monitor script in New Relic.

```
resource "newrelic_synthetics_monitor" "foo" {
  name = "foo"
  type = "SCRIPT_BROWSER"
  frequency = 5
  status = "ENABLED"
  locations = ["AWS_US_EAST_1"]
}

data "template_file" "foo_script" {
  template = file("${path.module}/foo_script.tpl")
}

resource "newrelic_synthetics_monitor_script" "foo_script" {
  monitor_id = newrelic_synthetics_monitor.foo.id
  text = data.template_file.foo_script.rendered
}
```

The following arguments are supported:

- monitor id (Required) The ID of the monitor to attach the script to.
- text (Required) The plaintext representing the monitor script.

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

• id - The ID of the Synthetics monitor that the script is attached to.

#### » Import

Synthetics monitor scripts can be imported using the id, e.g.

```
$ terraform import newrelic_synthetics_monitor_script.main <id>
```

# » Resource: newrelic\_synthetics\_secure\_credential

Use this resource to create and manage New Relic Synthetic secure credentials.

### » Example Usage

```
resource "newrelic_synthetics_secure_credential" "foo" {
  key = "MY_KEY"
  value = "My value"
  description = "My description"
}
```

## » Argument Reference

The following arguments are supported:

- key (Required) The secure credential's key name. Regardless of the case used in the configuration, the provider will provide an upcased key to the underlying API.
- value (Required) The secure credential's value.
- description (Optional) The secure credential's description.

#### » Attributes Reference

In addition to all arguments above, the following attributes are exported:

- created at The time the secure credential was created.
- updated\_at The time the secure credential was last updated.

## » Import

A Synthetics secure credential can be imported using its key:

\$ terraform import newrelic\_synthetics\_secure\_credential.foo MY\_KEY

# » Resource: newrelic\_workload

Use this resource to create, update, and delete a New Relic One workload.

A New Relic Personal API key is required to provision this resource. Set the personal\_api\_key attribute in the provider block or the NEWRELIC\_PERSONAL\_API\_KEY environment variable with your Personal API key.

# » Example Usage

```
resource "newrelic_workload" "foo" {
   name = "Example workload"
   account_id = 12345678

   entity_guids = ["MjUyMDUyOHxBUE18QVBQTE1DQVRJT058MjE1MDM3Nzk1"]

   entity_search_query {
      query = "name like 'Example application'"
   }

   scope_account_ids = [12345678]
}
```

# » Argument Reference

The following arguments are supported:

• name - (Required) The workload's name.

- account\_id (Required) The New Relic account ID where you want to create the workload.
- entity\_guids (Optional) A list of entity GUIDs manually assigned to this workload.
- entity\_search\_query (Optional) A list of search queries that define a dynamic workload. See Nested entity\_search\_query blocks below for details.
- scope\_account\_ids (Optional) A list of account IDs that will be used to get entities from.

#### » Nested entity\_search\_query blocks

All nested entity\_search\_query blocks support the following common arguments:

• query - (Required) The query.

#### » Attributes Reference

The following attributes are exported:

- guid The unique entity identifier of the workload in New Relic.
- workload\_id The unique entity identifier of the workload.
- permalink The URL of the workload.
- composite\_entity\_search\_query The composite query used to compose a dynamic workload.

## » Import

New Relic One workloads can be imported using a concatenated string of the format <account\_id>:<workload\_id>:<guid>, e.g.

\$ terraform import newrelic\_workload.foo 12345678:1456:MjUyMDUyOHxBUE18QVBRTE1DQVRJT058MjE11