

Runscope Provider

The Runscope provider is used to interact with the resources supported by Runscope. The provider needs to be configured with an access token before it can be used.

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

Example Usage

```
# Configure the Runscope provider
provider "runscope" {
  access_token = "${var.access_token}"
}

# Create a bucket
resource "runscope_bucket" "main" {
  name      = "terraform-ftw"
  team_uuid = "870ed937-bc6e-4d8b-a9a5-d7f9f2412fa3"
}

# Create a test in the bucket
resource "runscope_test" "api" {
  name          = "api-test"
  description   = "checks the api is up and running"
  bucket_id     = "${runscope_bucket.main.id}"
}
```

Argument Reference

The following arguments are supported:

- `access_token` - (Required) The Runscope access token. This can also be specified with the `RUNSCOPE_ACCESS_TOKEN` shell environment variable.
- `api_url` - (Optional) If set, specifies the Runscope api url, this defaults to `"https://api.runscope.com"`. This can also be specified with the `RUNSCOPE_API_URL` shell environment variable.

runscope_bucket

Use this data source to get information about a specific bucket (<https://www.runscope.com/docs/api/buckets>) that you can use with other runscope resources.

Example Usage

```
data "runscope_bucket" "website" {
  key = "t2f4bkvnggct"
}

resource "runscope_environment" "environment" {
  bucket_id = "${runscope_bucket.website.id}"
  name      = "test-environment"
}
```

Argument Reference

The following arguments are supported:

- `key` - (Required) The unique key of the bucket.

Attributes Reference

The following attributes are exported:

- `id` - The unique key of the found bucket.
- `team_uuid` - The team unique identifier that owns the bucket.
- `name` - Type name of the bucket.

runscope_buckets

Use this data source to get information about matching buckets (<https://www.runscope.com/docs/api/buckets>) that you can use with other runscope resources.

Example Usage

```
data "runscope_buckets" "buckets" {
  filter = [
    {
      name = "name"
      values = ["test-bucket"]
    }
  ]
}
```

Argument Reference

The following arguments are supported:

- `filter` - (Optional) Filter to reduce the list of buckets returned.

Variables (`filter`) supports the following:

- `name` - The name of the field to filter on, currently either: `key`, `name`.
- `values` - The list of values to match against

Attributes Reference

The following attributes are exported:

- `keys` - A list of the keys of matching buckets.

runscope_integration

Use this data source to get information about a specific integration (<https://www.runscope.com/docs/api/integrations>) that you can with other runscope resources.

Example Usage

```
data "runscope_integration" "pagerduty" {
  team_uuid = "d26553c0-3537-40a8-9d3c-64b0453262a9"
  type = "pagerduty"
}

resource "runscope_environment" "environment" {
  bucket_id = "${runscope_bucket.bucket.id}"
  name      = "test-environment"

  integrations = [
    {
      id = "${data.runscope_integration.pagerduty.id}"
      integration_type = "pagerduty"
    }
  ]
}
```

Argument Reference

The following arguments are supported:

- `team_uuid` - (Required) Your team unique identifier.
- `type` - (Required) Type of integration to lookup i.e. pagerduty

Attributes Reference

The following attributes are exported:

- `id` - The unique identifier of the found integration.

runscope_integration

Use this data source to list all of your integrations (<https://www.runscope.com/docs/api/integrations>) that you can use with other runscope resources.

Example Usage

```
data "runscope_integrations" "slack" {
  team_uuid = "d26553c0-3537-40a8-9d3c-64b0453262a9"
  filter = {
    name = "type"
    values = ["slack"]
  }
}
```

Argument Reference

The following arguments are supported:

- `filter` - (Optional) Filter to reduce the list of integrations returned.

Variables (`filter`) supports the following:

- `name` - The name of the field to filter on, currently either: `id`, `type` or `description`.
- `values` - The list of values to match against

Attributes Reference

The following attributes are exported:

- `id` - The unique identifier of the found integration.

runscope_bucket

A bucket (<https://www.runscope.com/docs/api/buckets>) resource. Buckets (<https://www.runscope.com/docs/buckets>) are a simple way to organize your requests and tests.

Example Usage

```
# Add a bucket to your runscope account
resource "runscope_bucket" "main" {
  name      = "a-bucket"
  team_uuid = "870ed937-bc6e-4d8b-a9a5-d7f9f2412fa3"
}
```

Argument Reference

The following arguments are supported:

- `name` - (String, Required) The name of this bucket.
- `team_uuid` - (String, Required) Unique identifier for the team this bucket is being created for.

Attributes Reference

The following attributes are exported:

- `name` - The name of this bucket.
- `id` - The ID of this bucket.
- `team_uuid` - Unique identifier for the team this bucket belongs to.

Import

Buckets can be imported using the bucket key, e.g.

```
$ terraform import runscope_bucket.example t2f4bkvnngcx
```

runscope_environment

An environment (<https://www.runscope.com/docs/api/environments>) resource. An environment (<https://www.runscope.com/docs/api-testing/environments>) is a group of configuration settings (initial variables, locations, notifications, integrations, etc.) used when running a test. Every test has at least one environment, but you can create additional environments as needed. For common settings (base URLs, API keys) that you'd like to use across all tests within a bucket, use a Shared Environment (<https://www.runscope.com/docs/api-testing/environments#shared>).

Creating a shared environment

Note: to create a shared environment you do not include a `test_id`

```
resource "runscope_environment" "environment" {
  bucket_id    = "${runscope_bucket.bucket.id}"
  name         = "shared-environment"

  integrations = [
    "${data.runscope_integration.pagerduty.id}"
  ]

  initial_variables {
    var1 = "true",
    var2 = "value2"
  }
}

data "runscope_integration" "pagerduty" {
  team_uuid = "%s"
  type      = "pagerduty"
}
```

Creating a test environment

Note: to create an environment specific to a test include the associated `test_id`

```

resource "runscope_environment" "environment" {
  bucket_id    = "${runscope_bucket.bucket.id}"
  test_id      = "${runscope_test.api.id}"
  name         = "test-environment"

  integrations = [
    "${data.runscope_integration.pagerduty.id}"
  ]

  initial_variables {
    var1 = "true",
    var2 = "value2"
  }
}

data "runscope_integration" "pagerduty" {
  team_uuid = "194204f3-19a3-4ef7-a492-b14a277025da"
  type      = "pagerduty"
}

# Add a test to a bucket
resource "runscope_test" "api" {
  name          = "api-test"
  description    = "checks the api is up and running"
  bucket_id     = "${runscope_bucket.main}"
}

# Create a bucket
resource "runscope_bucket" "main" {
  name          = "terraform-ftw"
  team_uuid     = "870ed937-bc6e-4d8b-a9a5-d7f9f2412fa3"
}

```

Argument Reference

The following arguments are supported:

- `bucket_id` - (Required) The id of the bucket to associate this environment with.
- `test_id` - (Optional) The id of the test to associate this environment with. If given, creates a test specific environment, otherwise creates a shared environment.
- `name` - (Required) The name of environment.
- `script` - (Optional) The script (<https://www.runscope.com/docs/api-testing/scripts#initial-script>) to to run to setup the environment
- `preserve_cookies` - (Optional) If this is set to true, tests using this enviornment will manage cookies between steps.
- `initial_variables` - (Optional) Map of keys and values being used for variables when the test begins.
- `integrations` - (Optional) A list of integration ids to enable for test runs using this environment.
- `regions` - (Optional) A list of Runscope regions (<https://www.runscope.com/docs/regions>) to execute test runs in when using this environment.
- `remote_agents` - (Optional) A list of Remote Agents (<https://www.runscope.com/docs/api/agents>) to execute test runs in when using this environment. Remote Agents documented below.

- `webhooks` (Optional) A list of URL's to send results to when test runs using this environment finish.
- `emails` (Optional) A list of settings for sending email notifications upon completion of a test run using this environment. Emails block is documented below

Remote Agents (`remote_agents`) supports the following:

- `name` - (Required) The name of the remote agent
- `uuid` - (Required) The uuid of the remote agent

Emails (`emails`) supports the following:

- `notify_all` - (Required) Send an email to all team members according to the `notify_on` rules.
- `notify_on` - (Required) Upon completion of a test run Runscope will send email notifications, allowed values: `all`, `failures`, `threshold` or `switch`
- `notify_threshold` (Required) An integer between 1 and 10 for use with the `notify_on` settings: only used when `threshold` and `switch` values are given
- `recipients` (Required) A list of recipients to notify, documented below

Recipients (`recipients`), See team api (<https://www.runscope.com/docs/api/teams>), supports the following:

- `name` - (Optional) The name of the person.
- `id` - (Optional) The unique identifier for this person's account.
- `email` - (Optional) The email address for this account.

Attributes Reference

The following attributes are exported:

- `id` - The ID of the environment.

runscope_schedule

A schedule (<https://www.runscope.com/docs/api/schedules>) resource. Tests can be scheduled to run on frequencies up to every minute. One ore more schedules can be configured per test with each schedule using a unique Test-specific or Shared Environment (</docs/providers/runscope/r/environment.html>).

Creating a schedule

```
resource "runscope_schedule" "daily" {
  bucket_id      = "${runscope_bucket.bucket.id}"
  test_id        = "${runscope_test.test.id}"
  interval       = "1d"
  note           = "This is a daily schedule"
  environment_id = "${runscope_environment.environment.id}"
}

resource "runscope_test" "test" {
  bucket_id = "${runscope_bucket.bucket.id}"
  name      = "runscope test"
  description = "This is a test test..."
}

resource "runscope_bucket" "bucket" {
  name      = "terraform-provider-test"
  team_uuid = "d038db69-b5a9-45af-80d8-3be47c37e309"
}

resource "runscope_environment" "environment" {
  bucket_id = "${runscope_bucket.bucket.id}"
  name      = "test-environment"

  initial_variables {
    var1 = "true",
    var2 = "value2"
  }
}
```

Argument Reference

The following arguments are supported:

- `bucket_id` - (Required) The id of the bucket to associate this schedule with.
- `test_id` - (Required) The id of the test to associate this schedule with.
- `environment_id` - (Required) The id of the environment to use when running the test. If given, creates a test specific schedule, otherwise creates a shared schedule.
- `interval` - (Required) The schedule's interval, must be one of:
 - 1m — every minute
 - 5m — every 5 minutes
 - 15m — every 15 minutes

- 30m — every 30 minutes
 - 1h — every hour
 - 6h — every 6 hours
 - 1d — every day.
- note - (Optional) A human-friendly description for the schedule.

Attributes Reference

The following attributes are exported:

- id - The ID of the schedule.

runscope_step

A step (<https://www.runscope.com/docs/api/steps>) resource. API tests are comprised of a series of steps, most often HTTP requests. In addition to requests, you can also add additional types of steps to your tests like pauses and conditions.

Creating a step

```
resource "runscope_step" "main_page" {
  bucket_id      = "${runscope_bucket.bucket.id}"
  test_id        = "${runscope_test.test.id}"
  step_type      = "request"
  url            = "http://example.com"
  note           = "A comment for the test step"
  method         = "GET"
  variables      = [
    {
      name       = "httpStatus"
      source     = "response_status"
    },
    {
      name       = "httpContentEncoding"
      source     = "response_header"
      property   = "Content-Encoding"
    },
  ],
  assertions     = [
    {
      source      = "response_status"
      comparison  = "equal_number"
      value       = "200"
    },
    {
      source      = "response_json"
      comparison  = "equal"
      value       = "c5baeb4a-2379-478a-9cda-1b671de77cf9",
      property    = "data.id"
    },
  ],
  auth = {
    username     = "myUsername"
    auth_type    = "basic"
    password     = "myPassword"
  },
  before_scripts = [<<EOF
    var endVar = new Date();
    var startVar = new Date();
    alert('this is a multi-line before script')
  EOF
  ],
  scripts        = [<<EOF
    var endVar = new Date();
    var startVar = new Date();
    alert('this is a multi-line after script')
  EOF
  ],
  headers        = [
    {
      header     = "Accept-Encoding",
      value      = "application/json"
    },
  ],
}
```

```

    {
      header = "Accept-Encoding",
      value  = "application/xml"
    },
    {
      header = "Authorization",
      value  = "Bearer bb74fe7b-b9f2-48bd-9445-bdc60e1edc6a",
    }
  ]
}

resource "runscope_test" "test" {
  bucket_id = "${runscope_bucket.bucket.id}"
  name      = "runscope test"
  description = "This is a test test..."
}

resource "runscope_bucket" "bucket" {
  name      = "terraform-provider-test"
  team_uuid = "dfb75aac-eeb3-4451-8675-3a37ab421e4f"
}

```

Argument Reference

The following arguments are supported:

- `bucket_id` - (Required) The id of the bucket to associate this step with.
- `test_id` - (Required) The id of the test to associate this step with.
- `note` = (Optional) A comment attached to the test step.
- `step_type` - (Required) The type of step.
 - `request`
 - `pause`
 - `condition`
 - `ghost`
 - `subtest`

Request steps

When creating a request type of step the additional arguments also apply:

- `method` - (Required) The HTTP method for this request step.
- `variables` - (Optional) A list of variables to extract out of the HTTP response from this request. Variables documented below.
- `assertions` - (Optional) A list of assertions to apply to the HTTP response from this request. Assertions documented below.
- `headers` - (Optional) A list of headers to apply to the request. Headers documented below.

- `body` - (Optional) A string to use as the body of the request.
- `auth` - (Optional) The credentials used to authenticate the request
- `before_script` - (Optional) Runs a script before the request is made
- `script` - (Optional) Runs a script after the request is made

Variables (`variables`) supports the following:

- `name` - (Required) Name of the variable to define.
- `property` - (Required) The name of the source property. i.e. header name or json path
- `source` - (Required) The variable source, for list of allowed values see:
<https://www.runscope.com/docs/api/steps#assertions> (<https://www.runscope.com/docs/api/steps#assertions>)

Assertions (`assertions`) supports the following:

- `source` - (Required) The assertion source, for list of allowed values see:
<https://www.runscope.com/docs/api/steps#assertions> (<https://www.runscope.com/docs/api/steps#assertions>)
- `property` - (Optional) The name of the source property. i.e. header name or json path
- `comparison` - (Required) The assertion comparison to make i.e. `equal`, for list of allowed values see:
<https://www.runscope.com/docs/api/steps#assertions> (<https://www.runscope.com/docs/api/steps#assertions>)
- `value` - (Optional) The value the comparison will use

Example Assertions

Status Code == 200

```
"assertions": [
  {
    "source": "response_status",
    "comparison": "equal_number",
    "value": 200
  }
]
```

JSON element 'address' contains the text 'avenue'

```
"assertions": [
  {
    "source": "response_json",
    "property": "address",
    "comparison": "contains",
    "value": "avenue"
  }
]
```

Response Time is faster than 1 second.

```
"assertions": [  
  {  
    "source": "response_time",  
    "comparison": "is_less_than",  
    "value": 1000  
  }  
]
```

The headers list supports the following:

- `header` - (Required) The name of the header
- `value` - (Required) The name header value

Attributes Reference

The following attributes are exported:

- `id` - The ID of the step.

runscope_test

A test (<https://www.runscope.com/docs/api/tests>) resource. Tests (<https://www.runscope.com/docs/buckets>) are made up of a collection of test steps (</docs/providers/runscope/r/step.html>) and an environment (</docs/providers/runscope/r/environment.html>).

Example Usage

```
# Add a test to a bucket
resource "runscope_test" "api" {
  name          = "api-test"
  description    = "checks the api is up and running"
  bucket_id     = "${runscope_bucket.main}"
}

# Create a bucket
resource "runscope_bucket" "main" {
  name          = "terraform-ftw"
  team_uuid     = "870ed937-bc6e-4d8b-a9a5-d7f9f2412fa3"
}
```

Argument Reference

The following arguments are supported:

- `name` - (String, Required) The name of this test.
- `description` - (String, Optional) Human-readable description of the new test. is being created for.

Attributes Reference

The following attributes are exported:

- `id` - The unique identifier for the test.
- `name` - The name of this test.
- `description` - Human-readable description of the new test.