» github_collaborators

Use this data source to retrieve the collaborators for a given repository.

» Example Usage

```
data "github_collaborators" "test" {
  owner = "example_owner"
  repository = "example_repository"
}
```

» Arguments Reference

- owner (Required) The organization that owns the repository.
- repository (Required) The name of the repository.
- affiliation (Optional) Filter collaborators returned by their affiliation. Can be one of: outside, direct, all. Defaults to all.

» Attributes Reference

• collaborator - An Array of GitHub collaborators. Each collaborator block consists of the fields documented below.

The collaborator block consists of:

- login The collaborator's login.
- id The id of the collaborator.
- url The github api url for the collaborator.
- html_url The github html url for the collaborator.
- followers_url The github api url for the collaborator's followers.
- following_url The github api url for those following the collaborator.
- gists_url The github api url for the collaborator's gists.
- starred_url The github api url for the collaborator's starred repositories.
- subscriptions_url The github api url for the collaborator's subscribed repositories.

- organizations_url The github api url for the collaborator's organizations
- repos_url The github api url for the collaborator's repositories.
- events_url The github api url for the collaborator's events.
- received_events_url The github api url for the collaborator's received events.
- type The type of the collaborator (ex. User).
- site admin Whether the user is a GitHub admin.
- permission The permission of the collaborator.

» github_ip_ranges

Use this data source to retrieve information about a GitHub's IP addresses.

» Example Usage

```
data "github_ip_ranges" "test" {}
```

» Attributes Reference

- hooks An Array of IP addresses in CIDR format specifying the addresses that incoming service hooks will originate from.
- git An Array of IP addresses in CIDR format specifying the Git servers.
- pages An Array of IP addresses in CIDR format specifying the A records for GitHub Pages.
- importer An Array of IP addresses in CIDR format specifying the A records for GitHub Importer.

» github_repositories

Note: The data source will return a maximum of 1000 repositories as documented in official API docs.

Use this data source to retrieve a list of GitHub repositories using a search query.

» Example Usage

```
data "github_repositories" "example" {
   query = "org:hashicorp language:Go"
}
```

» Argument Reference

The following arguments are supported:

- query (Required) Search query. See documentation for the search syntax.
- sort (Optional) Sorts the repositories returned by the specified attribute. Valid values include stars, fork, and updated. Defaults to updated.

» Attributes Reference

- full_names A list of full names of found repositories (e.g. hashicorp/terraform)
- names A list of found repository names (e.g. terraform)

» github_repository

Use this data source to retrieve information about a GitHub repository.

» Example Usage

```
data "github_repository" "example" {
  full_name = "hashicorp/terraform"
}
```

» Argument Reference

- name (Optional) The name of the repository.
- full_name (Optional) Full name of the repository (in org/name format).

» Attributes Reference

- description A description of the repository.
- homepage_url URL of a page describing the project.
- private Whether the repository is private.
- has issues Whether the repository has GitHub Issues enabled.
- has_projects Whether the repository has the GitHub Projects enabled.
- has_wiki Whether the repository has the GitHub Wiki enabled.
- allow_merge_commit Whether the repository allows merge commits.
- allow_squash_merge Whether the repository allows squash merges.
- allow_rebase_merge Whether the repository allows rebase merges.
- has_downloads Whether the repository has Downloads feature enabled.
- default_branch The name of the default branch of the repository.
- archived Whether the repository is archived.
- topics The list of topics of the repository.
- html_url URL to the repository on the web.
- ssh_clone_url URL that can be provided to git clone to clone the repository via SSH.
- http_clone_url URL that can be provided to git clone to clone the repository via HTTPS.
- git_clone_url URL that can be provided to git clone to clone the repository anonymously via the git protocol.
- svn_url URL that can be provided to svn checkout to check out the repository via GitHub's Subversion protocol emulation.

» github_user

Use this data source to retrieve information about a GitHub user.

```
data "github_user" "example" {
  username = "example"
}
```

• username - (Required) The username.

» Attributes Reference

- login the user's login.
- avatar_url the user's avatar URL.
- gravatar_id the user's gravatar ID.
- site_admin whether the user is a GitHub admin.
- name the user's full name.
- company the user's company name.
- blog the user's blog location.
- location the user's location.
- email the user's email.
- gpg_keys list of user's GPG keys
- ssh_keys list of user's SSH keys
- bio the user's bio.
- public_repos the number of public repositories.
- public_gists the number of public gists.
- followers the number of followers.
- following the number of following users.
- created_at the creation date.
- updated_at the update date.

» github_team

Use this data source to retrieve information about a GitHub team.

» Example Usage

```
data "github_team" "example" {
  slug = "example"
}
```

» Argument Reference

• slug - (Required) The team slug.

» Attributes Reference

- id the ID of the team.
- name the team's full name.
- description the team's description.
- privacy the team's privacy type.
- permission the team's permission level.
- members List of team members

» github_branch_protection

Protects a GitHub branch.

This resource allows you to configure branch protection for repositories in your organization. When applied, the branch will be protected from forced pushes and deletion. Additional constraints, such as required status checks or restrictions on users and teams, can also be configured.

```
# Protect the master branch of the foo repository. Additionally, require that
# the "ci/travis" context to be passing and only allow the engineers team merge
# to the branch.
resource "github_branch_protection" "example" {
                = "${github_repository.example.name}"
  repository
 branch
  enforce_admins = true
 required status checks {
    strict = false
    contexts = ["ci/travis"]
 required_pull_request_reviews {
    dismiss_stale_reviews = true
                    = ["foo-user"]
    dismissal_users
                        = ["${github_team.example.slug}", "${github_team.second.slug}"]
    dismissal_teams
 }
 restrictions {
   users = ["foo-user"]
    teams = ["${github_team.example.slug}"]
}
```

```
resource "github_team" "example" {
  name = "Example Name"
}

resource "github_team_repository" "example" {
  team_id = "${github_team.example.id}"
  repository = "${github_repository.example.name}"
  permission = "pull"
}
```

The following arguments are supported:

- repository (Required) The GitHub repository name.
- branch (Required) The Git branch to protect.
- enforce_admins (Optional) Boolean, setting this to true enforces status checks for repository administrators.
- require_signed_commits (Optional) Boolean, setting this to true requires all commits to be signed with GPG.
- required_status_checks (Optional) Enforce restrictions for required status checks. See Required Status Checks below for details.
- required_pull_request_reviews (Optional) Enforce restrictions for pull request reviews. See Required Pull Request Reviews below for details.
- restrictions (Optional) Enforce restrictions for the users and teams that may push to the branch. See Restrictions below for details.

» Required Status Checks

required_status_checks supports the following arguments:

- strict: (Optional) Require branches to be up to date before merging. Defaults to false.
- contexts: (Optional) The list of status checks to require in order to merge into this branch. No status checks are required by default.

» Required Pull Request Reviews

required_pull_request_reviews supports the following arguments:

- dismiss_stale_reviews: (Optional) Dismiss approved reviews automatically when a new commit is pushed. Defaults to false.
- dismissal_users: (Optional) The list of user logins with dismissal access

- dismissal_teams: (Optional) The list of team slugs with dismissal access. Always use slug of the team, not its name. Each team already has to have access to the repository.
- require_code_owner_reviews: (Optional) Require an approved review in pull requests including files with a designated code owner. Defaults to false.
- required_approving_review_count: (Optional) Require x number of approvals to satisfy branch protection requirements. If this is specified it must be a number between 1-6. This requirement matches Github's API, see the upstream documentation for more information.

» Restrictions

restrictions supports the following arguments:

- users: (Optional) The list of user logins with push access.
- teams: (Optional) The list of team slugs with push access. Always use slug of the team, not its name. Each team already has to have access to the repository.

restrictions is only available for organization-owned repositories.

» Import

GitHub Branch Protection can be imported using an id made up of repository:branch, e.g.

\$ terraform import github_branch_protection.terraform terraform:master

» github issue label

Provides a GitHub issue label resource.

This resource allows you to create and manage issue labels within your GitHub organization.

Issue labels are keyed off of their "name", so pre-existing issue labels result in a 422 HTTP error if they exist outside of Terraform. Normally this would not be an issue, except new repositories are created with a "default" set of labels, and those labels easily conflict with custom ones.

This resource will first check if the label exists, and then issue an update, otherwise it will create.

» Example Usage

```
# Create a new, red colored label
resource "github_issue_label" "test_repo" {
  repository = "test-repo"
  name = "Urgent"
  color = "FF0000"
}
```

» Argument Reference

The following arguments are supported:

- repository (Required) The GitHub repository
- name (Required) The name of the label.
- color (Required) A 6 character hex code, without the leading #, identifying the color of the label.
- description (Optional) A short description of the label.
- url (Computed) The URL to the issue label

» Import

GitHub Issue Labels can be imported using an id made up of repository:name, e.g.

\$ terraform import github_issue_label.panic_label terraform:panic

» github_membership

Provides a GitHub membership resource.

This resource allows you to add/remove users from your organization. When applied, an invitation will be sent to the user to become part of the organization. When destroyed, either the invitation will be cancelled or the user will be removed.

```
# Add a user to the organization
resource "github_membership" "membership_for_some_user" {
  username = "SomeUser"
```

```
role = "member"
}
```

The following arguments are supported:

- username (Required) The user to add to the organization.
- role (Optional) The role of the user within the organization. Must be one of member or admin. Defaults to member.

» Import

GitHub Membership can be imported using an id made up of organization:username, e.g.

\$ terraform import github_membership.member hashicorp:someuser

» github_organization_block

This resource allows you to create and manage blocks for GitHub organizations.

» Example Usage

```
resource "github_organization_block" "example" {
  username = "paultyng"
}
```

» Argument Reference

The following arguments are supported:

• username - (Required) The name of the user to block.

$\ \ \, \text{ \ \ } \textbf{ github_organization_project}$

This resource allows you to create and manage projects for GitHub organization.

» Example Usage

```
resource "github_organization_project" "project" {
  name = "A Organization Project"
  body = "This is a organization project."
}
```

» Argument Reference

The following arguments are supported:

- name (Required) The name of the project.
- body (Optional) The body of the project.

» Attributes Reference

The following additional attributes are exported:

• url - URL of the project

» github_organization_webhook

This resource allows you to create and manage webhooks for GitHub organization.

```
resource "github_organization_webhook" "foo" {
  name = "web"

  configuration {
    url = "https://google.de/"
    content_type = "form"
    insecure_ssl = false
  }

  active = false
  events = ["issues"]
}
```

The following arguments are supported:

- events (Required) A list of events which should trigger the webhook. See a list of available events
- configuration (Required) key/value pair of configuration for this web-hook. Available keys are url, content_type, secret and insecure_ssl.
- active (Optional) Indicate of the webhook should receive events. Defaults to true.
- name (Optional) The type of the webhook. web is the default and the only option.

» Attributes Reference

The following additional attributes are exported:

• url - URL of the webhook

» github_project_column

This resource allows you to create and manage columns for GitHub projects.

» Example Usage

```
resource "github_organization_project" "project" {
  name = "A Organization Project"
  body = "This is an organization project."
}

resource "github_project_column" "column" {
  project_id = "${github_organization_project.project.id}"
  name = "a column"
}
```

» Argument Reference

The following arguments are supported:

• project_id - (Required) The id of an existing project that the column will be created in.

• name - (Required) The name of the column.

» github_repository

This resource allows you to create and manage repositories within your GitHub organization.

This resource cannot currently be used to manage *personal* repositories, outside of organizations.

» Example Usage

» Argument Reference

- name (Required) The name of the repository.
- description (Optional) A description of the repository.
- homepage_url (Optional) URL of a page describing the project.
- private (Optional) Set to true to create a private repository. Repositories are created as public (e.g. open source) by default.
- has_issues (Optional) Set to true to enable the GitHub Issues features on the repository.
- has_projects (Optional) Set to true to enable the GitHub Projects features on the repository. Per the github documentation when in an organization that has disabled repository projects it will default to false and will otherwise default to true. If you specify true when it has been disabled it will return an error.
- has_wiki (Optional) Set to true to enable the GitHub Wiki features on the repository.
- allow_merge_commit (Optional) Set to false to disable merge commits on the repository.

- allow_squash_merge (Optional) Set to false to disable squash merges on the repository.
- allow_rebase_merge (Optional) Set to false to disable rebase merges on the repository.
- has_downloads (Optional) Set to true to enable the (deprecated) downloads features on the repository.
- auto_init (Optional) Set to true to produce an initial commit in the repository.
- gitignore_template (Optional) Use the name of the template without the extension. For example, "Haskell".
- license_template (Optional) Use the name of the template without the extension. For example, "mit" or "mpl-2.0".
- default_branch (Optional) The name of the default branch of the repository. **NOTE:** This can only be set after a repository has already been created, and after a correct reference has been created for the target branch inside the repository. This means a user will have to omit this parameter from the initial repository creation and create the target branch inside of the repository prior to setting this attribute.
- archived (Optional) Specifies if the repository should be archived. Defaults to false.
- topics (Optional) The list of topics of the repository.

NOTE Currently, the API does not support unarchiving.

» Attributes Reference

The following additional attributes are exported:

- full_name A string of the form "orgname/reponame".
- html_url URL to the repository on the web.
- ssh_clone_url URL that can be provided to git clone to clone the repository via SSH.
- http_clone_url URL that can be provided to git clone to clone the repository via HTTPS.
- git_clone_url URL that can be provided to git clone to clone the repository anonymously via the git protocol.
- svn_url URL that can be provided to svn checkout to check out the repository via GitHub's Subversion protocol emulation.

» Import

Repositories can be imported using the name, e.g.

\$ terraform import github repository.terraform terraform

» github_repository_collaborator

Provides a GitHub repository collaborator resource.

This resource allows you to add/remove collaborators from repositories in your organization. Collaborators can have explicit (and differing levels of) read, write, or administrator access to specific repositories in your organization, without giving the user full organization membership.

When applied, an invitation will be sent to the user to become a collaborator on a repository. When destroyed, either the invitation will be cancelled or the collaborator will be removed from the repository.

Further documentation on GitHub collaborators:

- Adding outside collaborators to repositories in your organization
- Converting an organization member to an outside collaborator

» Example Usage

```
# Add a collaborator to a repository
resource "github_repository_collaborator" "a_repo_collaborator" {
  repository = "our-cool-repo"
  username = "SomeUser"
  permission = "admin"
}
```

» Argument Reference

- repository (Required) The GitHub repository
- username (Required) The user to add to the repository as a collaborator.
- permission (Optional) The permission of the outside collaborator for the repository. Must be one of pull, push, or admin. Defaults to push.

» Attribute Reference

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

• invitation_id - ID of the invitation to be used in github_user_invitation_accepter

» Import

GitHub Repository Collaborators can be imported using an id made up of repository:username, e.g.

\$ terraform import github_repository_collaborator.collaborator terraform:someuser

» github_repository_deploy_key

Provides a GitHub repository deploy key resource.

A deploy key is an SSH key that is stored on your server and grants access to a single GitHub repository. This key is attached directly to the repository instead of to a personal user account.

This resource allows you to add/remove repository deploy keys.

Further documentation on GitHub repository deploy keys: - About deploy keys

» Example Usage

» Argument Reference

- key (Required) A ssh key.
- read_only (Required) A boolean qualifying the key to be either read only or read/write.
- repository (Required) Name of the GitHub repository.
- title (Required) A title.

Changing any of the fields forces re-creating the resource.

» Import

Repository deploy keys can be imported using a colon-separated pair of repository name and GitHub's key id. The latter can be obtained by GitHub's SDKs and API.

\$ terraform import github_repository_deploy_key.foo test-repo:23824728

» github_repository_project

This resource allows you to create and manage projects for GitHub repository.

» Example Usage

» Argument Reference

The following arguments are supported:

- name (Required) The name of the project.
- repository (Required) The repository of the project.
- body (Optional) The body of the project.

» Attributes Reference

The following additional attributes are exported:

• url - URL of the project

» github_repository_webhook

This resource allows you to create and manage webhooks for repositories within your GitHub organization.

This resource cannot currently be used to manage webhooks for *personal* repositories, outside of organizations.

» Example Usage

» Argument Reference

- repository (Required) The repository of the webhook.
- events (Required) A list of events which should trigger the webhook. See a list of available events.
- configuration (Required) key/value pair of configuration for this web-hook. Available keys are url, content_type, secret and insecure_ssl. secret is the shared secret, see API documentation.

- active (Optional) Indicate of the webhook should receive events. Defaults to true.
- name (Optional) The type of the webhook. web is the default and the only option.

» Attributes Reference

The following additional attributes are exported:

• url - URL of the webhook

» Import

Repository Webhooks can be imported using the name of the repository, combined with the id of the webhook, separated by a / character. The id of the webhook can be found in the URL of the webhook. For example: "https://github.com/foo-org/foo-repo/settings/hooks/14711452".

Importing uses the name of the repository, as well as the ID of the webhook, e.g.

\$ terraform import github_repository_webhook.terraform terraform/11235813

If secret is populated in the webhook's configuration, the value will be imported as "******."

» github team

Provides a GitHub team resource.

This resource allows you to add/remove teams from your organization. When applied, a new team will be created. When destroyed, that team will be removed.

The following arguments are supported:

- name (Required) The name of the team.
- description (Optional) A description of the team.
- privacy (Optional) The level of privacy for the team. Must be one of secret or closed. Defaults to secret.
- parent_team_id (Optional) The ID of the parent team, if this is a nested team.
- ldap_dn (Optional) The LDAP Distinguished Name of the group where membership will be synchronized. Only available in GitHub Enterprise.

» Attributes Reference

The following attributes are exported:

- id The ID of the created team.
- slug The slug of the created team, which may or may not differ from name, depending on whether name contains "URL-unsafe" characters. Useful when referencing the team in github_branch_protection.

» Import

GitHub Teams can be imported using the github team Id e.g.

```
$ terraform import github_team.core 1234567
```

» github team membership

Provides a GitHub team membership resource.

This resource allows you to add/remove users from teams in your organization. When applied, the user will be added to the team. If the user hasn't accepted their invitation to the organization, they won't be part of the team until they do. When destroyed, the user will be removed from the team.

```
# Add a user to the organization
resource "github_membership" "membership_for_some_user" {
  username = "SomeUser"
  role = "member"
```

The following arguments are supported:

- team_id (Required) The GitHub team id
- username (Required) The user to add to the team.
- role (Optional) The role of the user within the team. Must be one of member or maintainer. Defaults to member.

» Import

GitHub Team Membership can be imported using an id made up of teamid:username, e.g.

\$ terraform import github_team_membership.member 1234567:someuser

» github_team_repository

This resource manages relationships between teams and repositories in your GitHub organization.

Creating this resource grants a particular team permissions on a particular repository.

The repository and the team must both belong to the same organization on GitHub. This resource does not actually *create* any repositories; to do that, see github_repository.

» Example Usage

Add a repository to the team

The following arguments are supported:

- team_id (Required) The GitHub team id
- repository (Required) The repository to add to the team.
- permission (Optional) The permissions of team members regarding the repository. Must be one of pull, push, or admin. Defaults to pull.

» Import

GitHub Team Repository can be imported using an id made up of teamid:repository, e.g.

\$ terraform import github_team_repository.terraform_repo 1234567:terraform

» github_user_gpg_key

Provides a GitHub user's GPG key resource.

This resource allows you to add/remove GPG keys from your user account.

The following arguments are supported:

• armored_public_key - (Required) Your public GPG key, generated in ASCII-armored format. See Generating a new GPG key for help on creating a GPG key.

» Attributes Reference

The following attributes are exported:

- id The GitHub ID of the GPG key, e.g. 401586
- ${\tt key_id}$ The key ID of the GPG key, e.g. ${\tt 3262EFF25BA0D270}$

» Import

GPG keys are not importable due to the fact that API does not return previously uploaded GPG key.

» github_user_invitation_accepter

Provides a resource to manage GitHub repository collaborator invitations.

```
resource "github_repository" "example" {
   name = "example-repo"
}

resource "github_repository_collaborator" "example" {
   repository = "${github_repository.example.name}"
   username = "example-username"
   permission = "push"
}

provider "github" {
   alias = "invitee"
   token = "${var.invitee_token}"
}

resource "github_user_invitation_accepter" "example" {
```

```
provider = "github.invitee"
  invitation_id = "${github_repository_collaborator.example.invitation_id}"
}
```

The following arguments are supported:

• invitation_id - (Required) ID of the invitation to accept

» github_user_ssh_key

Provides a GitHub user's SSH key resource.

This resource allows you to add/remove SSH keys from your user account.

» Example Usage

```
resource "github_user_ssh_key" "example" {
  title = "example title"
  key = "${file("~/.ssh/id_rsa.pub")}"
}
```

» Argument Reference

The following arguments are supported:

- title (Required) A descriptive name for the new key. e.g. Personal MacBook Air
- key (Required) The public SSH key to add to your GitHub account.

» Attributes Reference

The following attributes are exported:

- id The ID of the SSH key
- url The URL of the SSH key

» Import

SSH keys can be imported using the their ID e.g.

\$ terraform import github_user_ssh_key.example 1234567