



HYCU for Terraform

R-Cloud Module Guide

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About the module

The R-Cloud (formerly HYCU Protégé) module for Terraform enables you to protect your organization's identity management data.

Prerequisites

Before you add the module to R-Cloud as a source, make sure your Terraform environment fulfills the following requirements:

- The Terraform user account that will be used to configure the source in R-Cloud must be a member of the organizations that require the backup. This account must be either be a part of owner's team or should be a part of a team which has granted permissions for managing all projects, workspaces, and settings within those organizations. If the user is not provided with these permissions, we will not be able to backup/restore the supported objects.
- A user API token associated with the Terraform user account is also required.

Limitations

- The value property of sensitive variables or variable sets cannot be included in backups or restores. Instead, data will be restored with an empty placeholder for the value property.
- Backups and restores are possible only for configuration versions that are in the uploaded status.
- For state versions, backups and restores can be performed only for versions that are in the finalized status.
- VCS integration settings of workspaces cannot be restored. Instead, they will be restored as regular workspaces with latest configurations.
- VCS-connected policies cannot be backed up or restored because the policy resource files are not retrievable through the GET API.
- Since we are setting a timestamp for the granular restored items, the customer must manually update the variables and variable set's variables keys as per the conventions used in configurations.

- Terraform currently enforces a rate limit of 30 API calls per second. This limitation may cause the HTTP 429 Too Many Requests errors during the backup and restore procedures.

Protecting data

R-Cloud starts protecting your Terraform data after you add the module as a source to R-Cloud and assign a policy to the related SaaS application.

For details on how to add the module as a source, see *HYCU R-Cloud Help*.


Backing up data


For details on how to configure the backup for the SaaS application data, see *HYCU R-Cloud Help*.

Restoring data

R-Cloud allows you to restore your protected Terraform data at the following levels:

- Organization
- Project
- Workspace
- Configuration
- State
- Variable
- Policy set
- Policy
- Variable set
- Variable set variable
- Public registry module
- Public registry provider

 **Note** When restoring your Terraform data, all hierarchical relations among the content items are preserved at all levels.

 **Note** Use caution when restoring a state to workspaces that have already performed Terraform runs. Replacing state improperly can result in orphaned or duplicated infrastructure resources.

For details on how to restore the SaaS application data, see *HYCU R-Cloud Help*.

Provide feedback

For any suggestions and comments regarding this product or its documentation, send us an e-mail to:

info@hycu.com

We will be glad to hear from you!

