



HYCU for Miro

R-Cloud Module Guide

Table of Contents

About the module.....	3
Prerequisites.....	3
Limitations	3
General limitations	3
API rate limitations	4
Creating an access token.....	4
Protecting data.....	5
Backup.....	5
Restore	5

Copyright notice

© 2024 HYCU. All rights reserved.


This document contains proprietary information, which is protected by copyright. No part of this document may be photocopied, reproduced, distributed, transmitted, stored in a retrieval system, modified or translated to another language in any form by any means, without the prior written consent of HYCU.

About the module

The R-Cloud (formerly HYCU Protégé) module for Miro enables you to protect the contents of your Miro account.

Prerequisites

Before you add the module to R-Cloud as a source, create an access token within your Miro account. For instructions on how to create an access token, see [Creating an access token](#).

 **Note** Miro uses the delegated authentication and authorization flow. As a result, R-Cloud does not have to store or manage Miro usernames and passwords. Instead, R-Cloud passes the control to Miro by identifying itself with an access token. When Miro allows you to choose an account and sign in, Miro hands over the control back to R-Cloud along with the access token.

Limitations

General limitations

These are the general Miro data protection limitations:

- Board members can be backed up but cannot be restored. Board access is defined by board permission policies and board sharing policies.
- Data protection is possible for all Miro objects that are currently supported by Miro API endpoints. For details on supported and unsupported items, see Miro documentation.
- Team and project data can be protected only if using the Enterprise subscription plan.
- The restored objects will have a new time stamp and will be created by the token user. The data cannot be restored on behalf of other users.

API rate limitations

The Miro API call rate limitations are split into four levels. Each API endpoint has a level assigned, and based on the level, different number of calls can be made before reaching a rate limit:

Weight	Requests per minute
Level 1	2000
Level 2	1000
Level 3	200
Level 4	50

If the number of requests exceeds the limit, a standard HTTP 429 Too Many Requests error is returned. For details on rate limiting, see Miro documentation.

Creating an access token

To create an access token, follow these steps in Miro:

1. Sign in to Miro, and then click your user account avatar.
2. From the drop-down menu, select **Settings**.
3. In the app settings view, click the **Your apps** tab.
4. In the Your apps view, click **+Create new app**.
5. On the Create new app modal, enter the application name, and then click **Create app**.
6. On the app settings page, click **Edit in Manifest** to configure permissions.
7. In the app manifest editor, set the following scopes:
 - boards:read
 - boards:write
 - identity:read
 - identity:write
 - team:read

- team:write
8. Go back to the app settings UI and proceed with the application installation by clicking **Edit in UI** in the top right corner of the page.
 9. At the bottom of the app settings page, click **Install app and get OAuth token**.
 10. Select a Miro team that you want to protect, and then click **Install & authorize**.
 11. Copy the displayed access token.

For more information, see Miro documentation.

Protecting data

R-Cloud starts protecting data stored in your Miro account 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 to R-Cloud and assign a policy to the related SaaS application, see *HYCU R-Cloud Help*.

You must provide the following information when adding the Miro module as a source:

- Display name
- Backup target
- AUTH_SETTINGS
- Access token

Backup

For details on how to back up your Miro account, see *HYCU R-Cloud Help*.

Restore

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

- Team (requires the Miro Enterprise subscription plan)
- Project (requires the Miro Enterprise subscription plan)

- Board (also includes App card, Card, Embed, Frame, Shape, Sticky note, Text, Tag, and Connector)
- Document
- Image

For details on how to restore your Miro account, 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!

