



# HYCU for Notion

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**R-Cloud Module Guide**

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# About the module

The R-Cloud (formerly HYCU Protégé) module for Notion enables you to protect data that is stored in your Notion productivity application.

## Prerequisites

Before you add the module to R-Cloud as a source, collect the following information in Notion:

- **Workspace ID:** the unique identifier associated with a specific Notion workspace.
- **Workspace name:** the name of a specific Notion workspace.
- **Bearer token:** the access token that grants access to the resources in Notion. For instructions on how to create a bearer token, see [Creating the bearer token](#).
- **Restore workspace bearer token.** The access token that enables you to restore:
  - A complete workspace
  - A page or a database that is directly connected to the backed-up workspace

To generate the restore workspace bearer token, use the same procedure as for the bearer token. For instructions, see [Creating the bearer token](#).

**Note** The restore bearer token can be the same as the backup bearer token if you want to restore to same workspace. If the workspace is deleted, it cannot be recreated using the same backup bearer token.

- **Restore workspace page ID:** the unique identifier associated with the page in a Notion workspace that will be used by R-Cloud to perform a complete or granular restore of:
  - A complete workspace
  - A page or a database that is directly connected to the backed-up workspace

The restore workspace page ID can be found in the URL of the workspace.

### Example

In the `https://www.notion.so/My-Page-Title-1234567890abcdef1234567890abcdef` URL, `1234567890abcdef1234567890abcdef` represents the restore workspace page ID.

## Limitations

### Pages and databases

This section describes the limitations that you should be aware of when adding the module to R-Cloud and that are associated with Notion API limitations.

- Restoring pages and databases directly under the workspace is not supported. Instead, the pages and the databases are restored to a restore Notion page that you provide.
- After creating a new page or database in Notion, you must manually establish the connection between the newly created page or database and the integration.

To establish the connection in Notion, click **Setting & Members** in your workspace and then click **My connections**. Enable access to the connection by selecting the resources to which you wish to grant access.

- The following page and database properties cannot be restored:
  - Created by
  - Created time
  - Last edited by
  - Last edited time
  - Unique ID
  - Rollup
  - Verification
  - Status
- The progress bar associated with the Number property cannot be restored.
- The maximum numbers of restored elements are:
  - Options in a Multi-select property: 100
  - Characters in the Email and Phone number properties: 200

- Database heading characters: 2000
- Page heading characters: 2000
- URL characters: 2000

The parent item property can be restored if the same naming convention is followed at both the page and database levels. If the naming convention is not maintained, the restore is not possible.

- Up to 25 page-related properties are supported for restore.
- Up to 25 person-related properties are supported for restore.
- *For pages.* The following items cannot be restored:
  - Attachments and reactions in the page comments
  - Draft page comments
  - Page cover image position
  - The `template_mention` property
  - Page properties if the relation between the parent and the sub-item is not preserved
- *For databases.* The following items cannot be restored:
  - Database configuration fields, such as filters, sub-items, and groups
  - Order of database rows and columns
  - Database cover image position
  - Linked databases
  - Custom database views

## Blocks

- The following types of blocks cannot be restored:
  - Unsupported
  - Audio
  - Link Preview
  - Duplicate synced block
  - Template
  - Button
  - Empty attachment/file blocks without content
- Attachments and reactions inside the block comments cannot be restored.
- Block comments cannot be restored to the same block. Instead, the comments will be restored to the parent page of the block.
- The child database or child page of a block can be restored only to their parent page.
- The column list, the column structure, and the hierarchy cannot be preserved. They will be restored at the page level and at the parent block level.
- The draft comments cannot be restored.
- Up to 100 text blocks that contain one of the listed styles can be restored:
  - Paragraph text
  - Heading (1, 2, 3)
  - Callout
  - Toggle
  - Bullet list
  - To-do
  - Numbered list text content
  - Captions of other blocks

## Files

- The attached files cannot be restored. Instead, a storage target file path is provided to Notion to restore the attached files.
- If a storage target bucket is not publicly accessible, restoring the attachment will result in a permission denied warning showing up.

## API rate

Notion currently enforces a rate limit of 3 API calls per second. This limitation may cause the HTTP 429 Too Many Requests errors during the backup and restore procedures.

## Cloud storage

The R-Cloud module for Notion currently only supports Google Cloud Storage as a target.

## Considerations

### Resolving the inaccessible resources issue

If you encounter a 404 Not Found error that can be found in the R-Cloud backup and restore task reports, the cause could be that the integration is not enabled for the specific resource.

To resolve this issue, enable the access to the resource manually in Notion:

1. Open the workspace settings.
2. Select My connections from the Settings pop-up dialog box.
3. Select the relevant resources or provide a new bearer token. For details, see [Creating the bearer token](#).

## Supported video formats

R-Cloud allows you to restore the following video types: .amv, .asf, .avi, .f4v, .flv, .gifv, .mkv, .mov, .mpg, .mpeg, .mpv, .mp4, .m4v, .qt, .wmv, and 2 YouTube video links that include the embed or watch elements.

### Example


```
https://www.youtube.com/watch?v=[id],  
https://www.youtube.com/embed/[id])
```




# Creating a bearer token

The Notion resources are accessible by using the bearer token. To generate a bearer token, complete these steps in Notion:

1. Create a new Notion integration. For details, see Notion documentation about building your first integration with the Notion API.
2. After creating a new integration, go to My integrations, and then click **Capabilities**.
3. Enable these options:
  - Under Content Capabilities, enable the **Read content**, **Update content** and **Insert Content** options to allow protecting data.
  - Under Comments Capabilities, enable the **Read comments** and **Insert comments** options to allow protecting comments.
  - Under User capabilities, enable the **Read user information** option including email addresses to allow protecting user mentions.
4. Click **Save**.
5. To make the created integration publicly accessible, navigate to Distribution, and then do the following:
  - a) Enable the **Do you want to make this integration public?** option.
  - b) Fill in your organization information.
6. Click **Submit**.
7. To manage the public integration secrets, navigate to Secrets, and then do the following:
  - a) Copy the Authorization URL, and then open the URL in a browser that will redirect you to Notion.
  - b) Select the required workspace from the header of the authorization dialog box.
  - c) Select the pages or databases to which you want to provide access, and then click **Allow access**. By selecting the resources, Notion will grant the permissions to access the resource.

 **Note** To protect the subordinate pages or databases, also grant access to the parent pages or databases.

- d) The control is redirected to the redirection URL with the code. The code generates the access token.

 **Note** The code is valid only for a single use. If an error appears, repeat the procedure to generate a new code.

- e) Create a bearer token by using a Notion API call. The following is the API call structure:


```
curl --location 'https://api.notion.com/v1/oauth/token' \  
--header 'Authorization: Basic \  
BASE64_CLIENT_ID:BASE64_CLIENT_SECRET' \  
--header 'Content-Type: application/json' \  
--data '{  
  "grant_type": "authorization_code",  
  "code": "",  
  "redirect_uri": "",  
}'
```

The API will respond with the workspace details with access token. Use the provided access token in R-Cloud as the bearer token.

# Protecting data

R-Cloud starts protecting data stored in Notion after you add the R-Cloud module for Notion as a source.

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

 **Note** The R-Cloud module for Notion backs up data by using a Google Cloud staging target. Select the preferred Google Cloud staging target when adding the module as a source to R-Cloud.

## Backup

For details on how to back up your Notion application as a SaaS application in R-Cloud, see *HYCU R-Cloud Help*.

## Restore

As a part of the restore you can perform the complete and granular restore of workspace, pages, databases, and blocks.

To enable the file restore with R-Cloud, the storage bucket must be publicly accessible.

For details on how to restore your Notion application as a SaaS application in R-Cloud, 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](mailto:info@hycu.com)

We will be glad to hear from you!

