

Dropbox Export Integration

This article explains how to send job results directly to your Dropbox account.

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Prerequisites

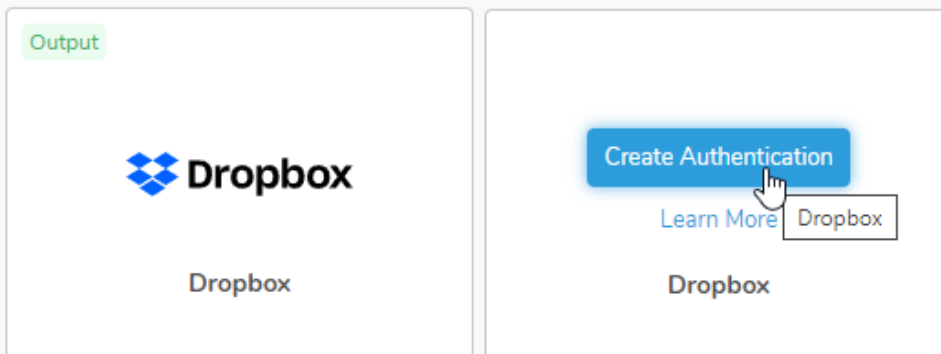
- Basic knowledge of Treasure Data, including the [toolbelt](#).
- A Dropbox account
- Authorized Treasure Data account access

Use the TD Console to Create Your Connection

Create a New Connection

When you configure a data connection, you provide authentication to access the integration. In Treasure Data, you configure the authentication and then specify the source information.

1. Open the **TD Console**.
2. Navigate to the **Integrations Hub > Catalog**.
3. Click the search icon on the far-right of the Catalog screen, and enter **Dropbox**.
4. Hover over the Dropbox connector and select **Create Authentication**.



5. The following dialog opens. Access to Treasure Data Dropbox requires OAuth2 authentication. The authentication requires that users manually connect their Treasure Data account to their respective Dropbox account.

To authenticate, select **Click here** to connect to a new account.

New Authentication
Dropbox

1 Credentials > 2 Details

OAuth connection

[Click here](#) to connect a new account

[Learn more](#) [Continue](#)

6. Log into your Dropbox account in the popup window and grant access to the Treasure Data app (You only need to do this the first time.)

Before you connect this app...

Make sure that you know and trust this developer. Allowing apps from developers you don't know may put your data at risk.

Why am I seeing this warning?
This app only has a small number of users and may not be the app you were intending to link.

[Cancel](#) [Continue](#)

Click Cancel if you are unsure whether you should be connecting an app to your Dropbox account. You can also learn more about [what to look for when connecting an app](#).

Data Connector would like access to the files and folders in your Dropbox. [Learn more](#)

[Cancel](#) [Allow](#)

7. You will be redirected back to TD Console. Repeat the first step (Create a new connection) and choose your new OAuth connection.

New Authentication

Dropbox

1 Credentials > 2 Details

OAuth connection

Jerry06 Nguyen (2020-02-26)

[Click here](#) to connect a new account

Learn more [Continue](#)

8. Name your new Dropbox Connection. Select **Done**.

New Authentication

test_dropbox

✓ Credentials > 2 Details

Name

test_dropbox

Share with others

[Back](#) [Done](#)

Configure Output Results to the Data Connection

In this step, you create or reuse a query. In the query, you configure the data connection.

1. Navigate to Data Workbench > Queries.
2. Select the query that you plan to use to export data OR create a new query, if needed.
3. Select **Export Results** to specify the results export target.

Specify the Result Export Target

1. After selecting **Export Results**, the following dialog opens.
2. Type the connection name in the search box to filter and select your Dropbox connection.

Choose Integration ×

dropbox

dropbox_qh_dev_td_account	dropbox
dropbox_qh_feb28_regression	dropbox
dropbox_qh_personal_td_account	dropbox
jerry_test_dropbox	dropbox
pmvn_test_dropbox	dropbox
ps_dropbox	dropbox
viet_dropbox_s1	dropbox
viet_dropbox_sry1	dropbox

or [New Integration](#)

3. Edit all the information.

Export Results



Folder Path:

The target folder(will be created if not exist)

Filename:

Target file name(no extension)

Overwrite existing file

When disable, stop when the same filename exists

Format:

Compression:

Header line?

Write the header line with column name as the first line

Null string:

Use this value to represent NULL values. Defaults to empty string

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Done

Export Results



Header line?

Write the header line with column name as the first line

Null string:

Use this value to represent NULL values. Defaults to empty string

End-of-line character:

Quote Policy:

Max Retries:

Maximum number of retries when an error occurred

Initial retry time wait in millis:

Max retry wait in millis:

Back

Done

Parameter	Description
Folder Path	directory of the folder in Dropbox
File Name	destination file name without extension
Format	file extension
Compression	Indicate whether the result is to be compressed or not. Available options: None, gz, and bzip2.
Header line	Select if the exported data has the column name as the header line.
Null String	Use this value to represent NULL values. Available options:

	<ul style="list-style-type: none"> • Default: select if an empty string (") is used to represent the Null value for file format CSV, and \N is used for the TSV format. • Empty string • \N NULL • null
End-of-line character	the character at the end of lines. Available options are CRLF, LF, and CR
Quote Policy	available options: <ul style="list-style-type: none"> • ALL: select if all values are enclosed by double quotes ("). • MINIMAL: select if any value that contains an embedded quote (") is presented with a consecutive pair of quotes ("). The MINIMAL quote policy is applied to CSV. • NONE: select if no escape for embedded quote is applied. By default, NONE is applied to TSV file format.
Max Retries	when an error occurs due to a Dropbox server error or network error, the number of retries attempted before aborting the upload.

Execute the Query

1. Select Save to save the query with a name and run OR select Run to run the query.



Ref... Export Results To [dropbox_qh_dev_td_account](#)

2. After the query has run successfully, the query result is automatically imported into the specified container destination.

Example of a Query

```
SELECT email, first_name, last_name, region, age, gender, website FROM (
  VALUES ('katel@gmail.com', 'Kate', 'Tiny', 'Asia', '41 and above', 'female', 'google.com'),
  ('ronan@gmail.com', 'R', 'P', 'Americas', '21-30', 'male', 'google.com'),
  ('michelle@gmail.com', 'M', 'C', 'EMEA', '31-40', 'male', 'facebook.com')
) tbl (email, first_name, last_name, region, age, gender, website);
```

Optional: Use of Scheduled Jobs for Output

You can use [Scheduled Jobs](#) with Result Output, to periodically write the output result to a target destination that you specify.

Optional: Configure Export Results in Workflow

Within Treasure Workflow, you can specify the use of this data connector to output data.

```
timezone: UTC

_export:
  td:
    database: sample_datasets

+td-result-into-one-drive:
  td>: queries/sample.sql
  result_connection: your_connection_name
  result_settings:
```

```
access_token: ###
file_name: file01
folder_path: /abc
replace_existing: false
format: csv
compression: gz
header_line: true
null_string: default
newline: CRLF
quote_policy: null
retry_count: 5
retry_initial_wait_millis: 1000
max_retry_wait_millis: 30000
```

Select [here](#) for more information on using data connectors in the workflow to export data.

Use the CLI to create your connection

Install 'td' command

Install the [Treasure Data Toolbelt](#).

For On-demand Jobs

Add the Dropbox result output destination by using the `r/ -result` option for the `td query` command:

```
td query -d sample_datasets -w 'SELECT host, path FROM www_access' --type presto -r '{"type":"dropbox",
"access_token":"your_token","folder_path":"/abc","file_name":"test_file","replace_existing":null,"format":"
csv","compression":"gz","header_line":true,"null_string":"default","newline":"CRLF","quote_policy":null,"
retry_count":"5","retry_initial_wait_millis":"1000","max_retry_wait_millis":"300000"}'
```

For Scheduled Jobs

Add the Dropbox result output destination by using the `r/ -result` option for the `td sched:create` command:

```
td sched:create every_6_mins "*/6 * * * *" -d test_db -w 'SELECT id, via FROM table1' --type presto -r
'{"type":"dropbox", "access_token":"your_token", "folder_path":"/abc", "file_name":"test_file", "replace_existing":
null, "format":"csv", "compression":"gz", "header_line":true, "null_string":"default", "newline":"CRLF", "
quote_policy":null, "retry_count":"5", "retry_initial_wait_millis":"1000", "max_retry_wait_millis":"300000"}'
```

Appendix

FAQ for Export into Dropbox

Q: Dropbox file size limits?

- All files uploaded to your Dropbox must be smaller than your storage space. For example, if your account has a storage quota of 2 GB, you can upload one 2 GB file or many files that add up to 2 GB. If you are over your storage quota, Dropbox will stop syncing.
- Files uploaded through must be 350GB or smaller.