

Repro Export Integration

[Learn more about Repro Import Integration.](#)

You can use the new Repro Export Integration connector to export files to your Repro's Amazon S3 buckets with customized parameters for an easy configuration.

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Prerequisites

- Basic knowledge of Treasure Data, including the [TD Toolbelt](#).
- An S3 bucket with region ID.

Using the TD Console to Create Your Connection

Create a New Connection

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

1. Open **TD Console**.
2. Navigate to **Integrations Hub > Catalog**
3. Search for and select **Repro**.
4. The following dialog opens:

The screenshot shows a 'New Authentication' dialog box for 'Repro'. It has a close button (X) in the top right corner. Below the title, there are two tabs: '1 Credentials' (active) and '2 Details'. The 'Credentials' tab contains four input fields: 'Region' with a dropdown menu showing 'ap-northeast-1', 'Authentication Method' with a dropdown menu showing 'basic', 'Access key ID' with an empty text box, and 'Secret access key' with an empty text box. At the bottom right, there is a 'Learn more' link and a blue 'Continue' button.

5. Enter a name for your connection and click **Done**

New Authentication
Repro
✕

✔ Credentials >
2 Details

Name

Share with others

Back
New Source
Done

Configure Export Results in Your Data Connection

In this step you create or reuse a query. In the query, you configure the data connection. You may need to define the column mapping in the query.

Configure the Connection by Specifying the Parameters

1. Open the TD console.
2. Navigate to **Data Workbench > Queries**.
3. Select the query that you plan to use to export data.
4. Click **Export Results** located at top of your query editor. The Choose Integration dialog opens. You have two options when selecting a connection to use to export the results, using an existing connection or creating a new one.

Use an existing connection

1. Type the connection name in the search box to filter.
2. Select your connection.

Create a new Repro Connection.

1. Fill in the field values to create the new connection.
2. Enter the required credentials for your new connection. Set the following parameters.

Parameter	Description
Use AWS S3 Server-Side Encryption (optional)	Use S3 Server-side encryption
Server-Side Encryption algorithm: (optional)	The algorithm used for encryption
Bucket (required)	The bucket name in s3
File Path (required)	The full path of the file includes file name and extension, i.e: production/<app_id>/user-list/filename.csv.gz
Format (required)	File export to csv, required extension in the file path
Header line (required)	The export file will contain first row as columns name
Null String (optional)	The value that will replace null in the file
End-of-line character (optional)	Character marked as end-of-line in the file
Quote Policy (required)	Quote policy for the file
Compression (required)	Compress file in gz, required extension in the file path

Here is a sample configuration:

Export Results



Integration: hieu_repro

Use AWS S3 Server-Side Encryption

Bucket:

repro-audience-external-store

File Path:

td-test-repro/file-output.csv.gz

The file path to upload file, i.e. production/<app_id>/user-list/filename

Format:

csv

Header line?

Write the header line with column name as the first line

Null string:

Default

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

End-of-line character:

CRLF

Quote Policy:

Compression:

None

Back

Done

Example of a Query to Populate Repro

From Treasure Data, run the following query with export results into a connection for Repro:

Code Example

```
SELECT an_email_column AS EMAIL,  
another_phone_column AS PHONE  
FROM your_table;
```

Optional: Use of Scheduled Jobs for Export

You can use Scheduled Jobs with Result Export, 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 export data.

```
timezone: UTC

_export:
  td:
    database: sample_datasets

+td-result-into-target:
  td>: queries/sample.sql
  result_connection: your_connections_name
  result_settings:
    type: repro
    bucket: bucket_name
    region: ap-northeast-2
    use_sse: true
    sse_algorithm: AES256
    auth_method: basic
    session_token: session_token
    path: /td-export-repro/file_output.csv
    access_key_id: access_id
    secret_access_key: secret_key
    formatter: {type: csv, delimiter: "\t", newline: CRLF, newline_in_field: LF, charset: UTF-8,
    quote_policy: MINIMAL, quote: "'", escape: \, null_string: \N, default_timezone: UTC}
    encoders: {type: gzip}
```

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