

# 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.

- [Prerequisites](#)
- [Using the TD Console to Create Your Connection](#)
  - [Create a New Connection](#)
  - [Configure Export Results in Your Data Connection](#)
    - [Configure the Connection by Specifying the Parameters](#)
      - [Use an existing connection](#)
      - [Create a new Repro Connection.](#)
  - [Example of a Query to Populate Repro](#)
  - [Optional: Use of Scheduled Jobs for Export](#)
  - [Optional: Configure Export Results in Workflow](#)

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