

# Microsoft Azure Blob Storage Export Integration

[Learn more about Microsoft Azure Blob Storage Import Integration.](#)

This article explains how to write job results directly to your Microsoft Azure Blob Storage.

For sample workflows of exporting to Microsoft Azure Blob Storage, view [Treasure Boxes](#).

- [Prerequisites](#)
- [Create Azure Storage Account](#)
- [Usage](#)
  - [Create the Destination Container in Microsoft Azure Blob Storage](#)
  - [Write the Query](#)
  - [Specify the Result Export target](#)
  - [Configure Export Results in Your Data Connection](#)
  - [Execute the query](#)
- [Usage from CLI](#)
  - [account\\_name/account\\_key case](#)
  - [Optional Configure Export Results in Workflow](#)

## Prerequisites

- Basic knowledge of Treasure Data, including the [TD Toolbelt](#).
- A Microsoft Azure Platform account

## Create Azure Storage Account

First, you need to create an Azure Storage account. Here's documentation about how to create it.

- [About Azure storage accounts](#)

In the Azure Portal, navigate to your storage account, select All Settings, and then select Access keys to obtain account access keys.

## Usage

### Create the Destination Container in Microsoft Azure Blob Storage

Create your container of Azure Blob Storage from your Azure portal.

Also, check the [Naming and Referencing Containers, Blobs, and Metadata](#) roles.

### Write the Query

Visit the TD Console query editor page and compile your query.

### Specify the Result Export target

In the same window, select the Add button in the Result Export section and select Microsoft Azure Blob Storage from the drop-down menu. Edit all of your credentials information, including your Account Name, Account Key, Container, and Path.

## Create Connection ✕

Microsoft Azure

1 Credentials > 
 2 Name

Storage Account name

Primary access key

[Learn more](#)
CONTINUE

## Configure Export Results in Your Data Connection

1. Navigate to **Data Workbench > Queries**.
2. Select an existing query or create a new one.



3. In the query editor, select the **Export Results** checkbox.
4. Select your Microsoft Azure connection
5. The Export Results dialog pane opens. Edit the following parameters.

Export Results    Schedule: None

Parameters	Description
Container (container)	Azure blob container name
Path prefix (path_prefix)	Files will be stored at this path
Blob Type (blob_type)	<b>UNSPECIFIED</b> or <b>BLOCK_BLOB</b> . Specify <b>BLOCK_BLOB</b> if your result is very large
Format (format)	The output file format (csv or tsv)
Compression (compression)	Compress output file. Supported compressions: Gzip or Bzip2 (gz / bz2)
Delimiter (delimiter)	Delimiter character such as ",", "t" for TSV, " " or any single-byte character
Null string (null_string)	Use this value to represent NULL values. Defaults to an empty string
End-of-line character (newline)	End of line character of the result file

## Execute the query

Either save the query with a name and run or just run the query. Upon successful completion of the query, the results are automatically imported to the specified container destination.

## Usage from CLI

You can also use CLI for Result Export to Microsoft Azure Blob Storage.

account\_name/account\_key case

```
$ td query --result '{"type":"azure_blob_storage","account_name":"xxxx","account_key":"xxxx","container":"xxxx","path_prefix":"/path/to/file.csv","sequence_format":"","header_line":true,"quote_policy":"MINIMAL","delimiter":",","null_string":"","newline":"CRLF"}' -d sample_datasets "select * from www_access" -T presto
```

## 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-target:
  td>: queries/sample.sql
  result_connection: my_azure_blob
  result_settings:
    container: test_container
    path_prefix: /path/to/file.csv
    format: csv
    blob_type: BLOCK_BLOB
```

Learn more about using data connectors to [export data](#) in workflows using CLI.