

# Create SharePoint Connections

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You can create connections to your Microsoft SharePoint instance from Trifacta®. You can create connections to:

- SharePoint On-Premises installations in your enterprise infrastructure
- SharePoint Online

**NOTE:** This connection supports reading from and writing to SharePoint lists.

For more information on Microsoft SharePoint, see <https://www.microsoft.com/en-us/microsoft-365/sharepoint/collaboration>.

## Limitations

- Single Sign-On (SSO) is not supported.
- Column names are not validated on publishing.
- The SharePoint connection uses SharePoint APIs. As a result, transaction management and rollbacks are not supported.

## Pre-requisites

- The logged-in user must have required access to the tables and schema. For more information, see *Using SharePoint*.
- If you haven't done so already, you must create and deploy an encryption key file for the Trifacta node to be shared by all relational connections. For more information, see *Create Encryption Key File*.

## Enable

- General relational connectivity must be enabled. For more information, see *Enable Relational Connections*.

## Configure

To create this connection, in the Connections page, select the Applications tab. Click the SharePoint card. See *Connections Page*.

This connection can also be created using the API.

- For details on values to use when creating via API, see *Connection Types*.

- See *API Reference*.

Modify the following properties as needed:

Property	Description
SharePoint URL	Enter the URL for your SharePoint Site or sub-site. Example value:  <div style="border: 1px solid #ccc; padding: 5px; margin-top: 5px;"> <code>https://exampleserver.sharepoint.com/sites/SharePointTest</code> </div>
SharePoint Edition	Product edition of SharePoint in use: <ul style="list-style-type: none"> <li>• <code>SharePointOnPremise</code> - Use this option if you have an on-premises installation of SharePoint to which you can connect within your enterprise infrastructure.</li> <li>• <code>SharePointOnline</code> - Use this option if you are connecting to SharePoint Online.</li> </ul>
Auth Scheme	Authentication scheme: <ul style="list-style-type: none"> <li>• <code>Basic</code> - (for <code>SharePointOnline</code>) username and password</li> <li>• <code>NTLM</code> - (for <code>SharePointOnPremise</code>) Windows-based authentication scheme for on-premises deployments.</li> </ul>
User Name	Username to use to connect to SharePoint.
Password	Password associated with the above username.
Test Connection	After you have defined the Share Point Edition, credentials, and connection string, you can validate those credentials.
Additional Connect String Options	Apply any connection string options that are part of your authentication to SharePoint.  A default string has been provided for you. For more information, see below.
Default Column Data Type Inference	Set to <code>disabled</code> to prevent the platform from applying its own type inference to each column on import. The default value is <code>enabled</code> .
Connection Name	Display name of the connection
Connection Description	Description of the connection, which appears in the application.

## Connect string options

The following connection string is provided for you:

```
AutoCache=false;CacheMetadata=false;CacheTolerance=1;timeout=0;ShowPredefinedColumns=false
```

Parameter	Description
AutoCache	When enabled, the connection leverages any data that is automatically cached for each table. The default is <code>false</code> .
CacheMetadata	When enabled, table metadata can be retrieved from the SharePoint cache. The default is <code>false</code> .
CacheTolerance	This setting defines the duration in hours that objects are permitted to live in the cache. The default is <code>1</code> .
timeout	This setting defines the number of seconds that a query to the SharePoint database is allowed to run without a response. The SharePoint default timeout is <code>60</code> , which may cause complex queries of larger datasets to timeout.  The default value in the Connect String Options is <code>0</code> , which means that there is no enforced timeout. Other timeouts may apply.

ShowPredefinedColumns	When enabled, users of the connection are permitted to view the columns that are created with the table, such as Created By and Modified By columns. The default is <code>false</code> .
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For more information, see <http://cdn.cdata.com/help/RSF/jdbc/Connection.htm>.

## Use

You can import datasets from SharePoint through the Import Data page. See *Import Data Page*.

- See *SharePoint Browser*.
- For more information on interacting with SharePoint, see *Using SharePoint*.