

Connecting To AtScale From Tableau Using A TDS File

Tableau data source files (`.tds`) are shortcuts for quickly connecting to data sources from Tableau Desktop. They do not contain the actual data, but rather the information necessary to connect to a data source.

AtScale generates a `.tds` file for every model in a deployed catalog.

Download The .Tds File

First, you must download the `.tds` file for the model you want to connect to:

1. In Design Center, open the **Deployed Catalogs** panel, then open the catalog that contains the model you want to connect to.
2. Click the **Connect** tab. The **Connection Settings** page opens.
3. In the **Downloads** section, download the `.tds` file for the model you want to connect to.

If you have Kerberos authentication enabled for Tableau, you must now obtain the Kerberos connection details from the `.tds` file; for instructions, see the following procedure.

If you do not have Kerberos enabled, you can proceed to [Connect to the model from Tableau](#) below.

Getting Kerberos Details

If you use Kerberos authentication with Tableau, you need to obtain the Kerberos connection details from the `.tds` file before you can connect to the model.

To obtain the Kerberos connection details:

1. Open the `.tds` file you downloaded in a text editor.
2. Locate the `connection` element within the `connection > named-connections > named-connection` element.

This should contain several attributes, like `connection-type` and `authentication-type`.

3. Locate the `kerberos-host`, `kerberos-realm`, and `kerberos-service` attributes and copy their values.

For example:

```
kerberos-host="kerberos.internal.example.com"  
kerberos-realm="INTERNAL.EXAMPLE.COM"  
kerberos-service="atscaler"
```

Now, you can connect to the model. For instructions, see the following procedure.

Connect To The Model From Tableau

To connect to the model:

1. Double-click the `.tds` file you downloaded. Tableau Desktop opens.
2. Enter your AtScale username and password.
3. If you have Kerberos enabled:
 1. Click **Edit Connection**.
 2. In the **Authentication** field, select **Kerberos**.
 3. In the **Realm**, **Host FQDN**, and **Service Name** fields, enter the values you obtained from the `.tds` file.
 4. Click **OK**.
4. Click **OK**.

If the connection is successful, the Tableau worksheet opens showing the **Data** available in the model. Drag one dimension and one metric to **Columns** and **Rows** to run a test query.

If the connection is not successful, click **Edit Connection** and make sure that the connection details look correct. If PostgreSQL is not selected automatically for the connection type, the [PostgreSQL driver](#) is likely not properly installed.

Next Steps

If you republish a model that is used in a workbook, you must update the workbook's data source to point to the new `.tds` file. Refer to the Tableau documentation for the steps for replacing a data source.