**Connecting SAS\_Viya to Teradata**

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**Sources**

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# Connecting SAS\_Viya to Teradata

Graphical user interface, application, Word

Description automatically generatedYou must have been provided access to the University of Arkansas VMware system desktop and the credentials for Teradata and SAS Viya to complete this connection.

Once logged on to VMware, open Google Chrome and enter the following URL: <https://viya.walton.uark.edu/SASDrive>

## **Step 1: SAS\_Viya Log on**

1. **User ID:** UARK provided ID
2. **Password:** UARK Password

## **Graphical user interface, application Description automatically generatedStep 2: Connecting to Teradata**

To retrieve Data from the Teradata server you must create a connection to Teradata. Once authenticated,

1. **Select**: The 3 white lines in the top left corner
2. Graphical user interface, text, application

   Description automatically generated**Select:** Manage Data

**Graphical user interface, text, application, email

Description automatically generated**

1. **Select**: Data Sources



1. **Select**: The ”connect” Icon:

After selecting the “connect” icon, you will be directed to the Connection Settings Window. For this example, we are connecting to the first database submitted for Article 1 in Issue 1. Each field that needs to be filled is in the picture. NOTE: The database and Schema name must be the same.

1. Graphical user interface, application

   Description automatically generated**Name:** Enterprise Systems WCOB\_RSC
2. **Server:** cas-shared-default
3. **Type:** Database
4. **Source Type:** Teradata
5. **Persist Connection:** Saves for next logon
6. **Advanced:** No advanced changes
7. **User ID:** Teradata logon name
8. **Password:** Teradata password
9. **Server:** uofaifx.walton.uark.edu
10. **Database name:** WCOB\_RSC
11. **Schema:** WCOB\_RSC
12. **Click:** Test Connection

A successful connection will have the following message at the top of the window:

Graphical user interface, application

Description automatically generated

Graphical user interface, application

Description automatically generatedSave the connection

1. **Select:** Save

## **Step 3: Accessing the Data**

**Graphical user interface, text, application, email

Description automatically generated**You have now created a connection to the database located in Teradata. In order to create reports and analyze the data, you will need to navigate to your connection and lift the data into the SAS VIYA memory. Your connection was created in the cas-shared-default CASLib. Navigate to your connection.

1. **Select:** Data Sources tab and the arrow icon next to cas-shared-default

Graphical user interface, application

Description automatically generatedA menu directory will open. Remember what you created was a connection to Teradata. The data does not reside in SAS VIYA until you load the data into memory.

1. **Open:** By clicking the

arrow next to your database.

## Graphical user interface, text, application Description automatically generated**Step 4: Viewing Data**

In order to load the data into SAS VIYA memory, you will need to find your desired table. For this example, I1A1 has 6 tables. We will select the HIVE table in order to load the table In-Memory.

1. **Right Click:** Batch\_Production\_Fact
2. **Select:** Load

Table

Description automatically generated with medium confidenceYou can tell your table has been successfully loaded into memory if you see the lightning bolt. You will also see 2 instances of your table. One with a lightning bolt and one without. Once your table (BATCH\_PRODUCTION\_FIRST) has been loaded In-Memory, you will be able to see how many records are in your table. In this example, HIVE has 2,100 rows. You are now ready to begin creating reports on your data.