This guide is designed to help Venus Control Suite (VCS) customers operate the Data Studio App. Data Studio is used to manage the data feeds used for display purposes. Some features of Data Studio vary based on Venus subscription level.

Access Data Studio

1. Log in to **Venus Control Suite**.

2. Select an account.

3. Click **Data Studio** from the **My Apps** menu. Refer to **Figure 1**.
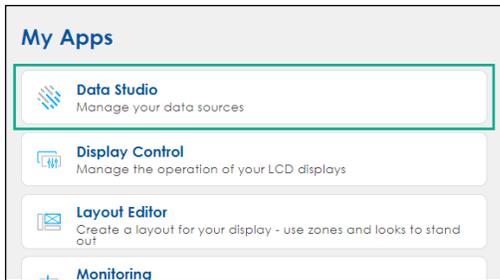

Figure 1: *Data Studio*

Create a New Data Feed

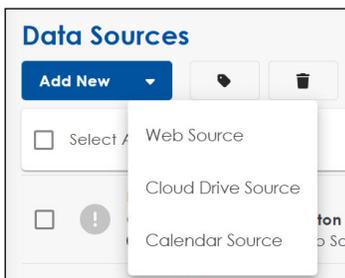1. Click **Add Data** and select **Web Source**. Refer to **Figure 2**.

Figure 2: *Add Data Feed*

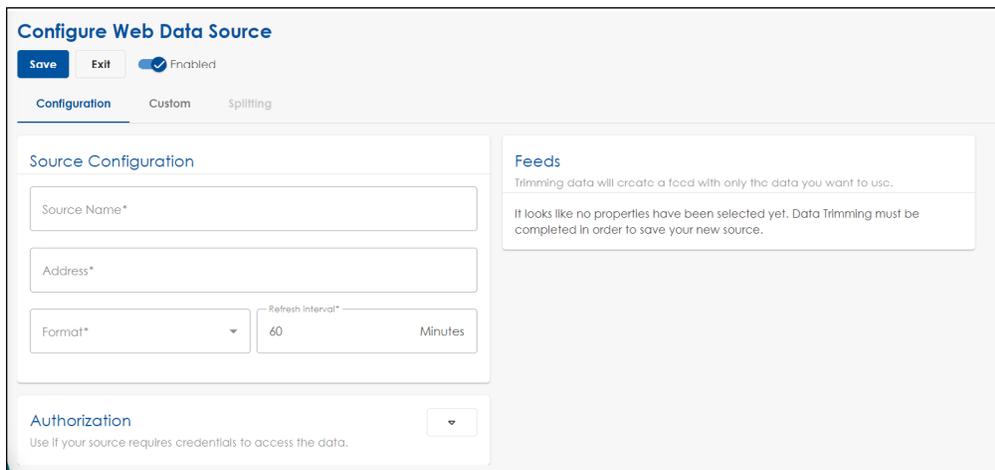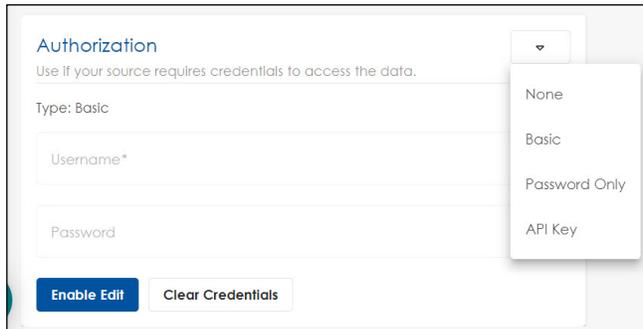2. Enter a **Name** for the new data feed source. Refer to **Figure 3**.

Figure 3: *New Data Feed*

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3. Enter the desired **Address**.

4. Select a **Format** from the drop-down list.

5. Set the **Refresh Interval**.

> **Note:** The refresh dictates how often the feed will update. Most data feeds update once an hour.

6. Select an **Authorization** type from the drop-down list and enter credentials. Refer to **Figure 4**.

Figure 4: *Authorization*

> **Note:** Select **None** if no credentials are required for the data feed.

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7. **Feeds** shows the data retrieved from the source. Refer to **Figure 5**.

   • Click **Select Properties** to open and trim the data to include or exclude data in the feed.

   • Click **Edit Feed** to open and edit the saved feed.

   • Click **Preview** to open the preview screen. The preview screen shows what the feed looks like in **Table**, **Formatted**, or **Raw Data** view. Click the menu button to **Copy key to clipboard**, **Download Json**, or **Copy Raw Json to clipboard**. Refer to **Figure 6**.
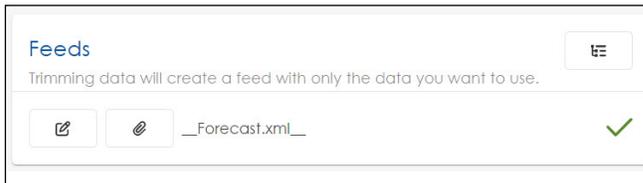

Figure 5: Feeds

Figure 6: Data Preview

8. Select **Custom**. Select **Add New** from the drop-down list under **Headers**. Refer to **Figure 7**.
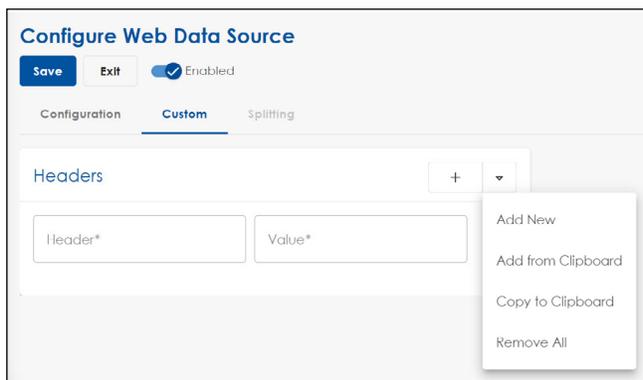
9. Enter **Header** and **Value**.

Figure 7: Custom Headers

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10. Click **Splitting**. Refer to **Figure 8**.

Figure 8: Splitting

11. Click **Split Data** to open the **Select Data Splitting Properties** menu. Select and deselect the properties to include or exclude from the array. Refer to **Figure 9**.

Figure 9: Select Data Splitting Properties Menu

> **Note:** Data splitting is not required for a successful feed and should not be altered without detailed understanding of arrays; data splitting allows customization to the array by breaking up the data into multiple parts.

12. Click **Done**.

13. Click **Save** to finish source creation.

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New Data Feed from Cloud Storage

Data Studio supports files from Microsoft Excel, Google Sheets, and Google Calender. Excel sheets used in Data Studio **must** use tables to be recognized in data trimming. Google sheets used in Data Studio **must** use named ranges to be recognized in data trimming.

1. Click **Add New** and select **Cloud Drive Source**. Refer to **Figure 10**.
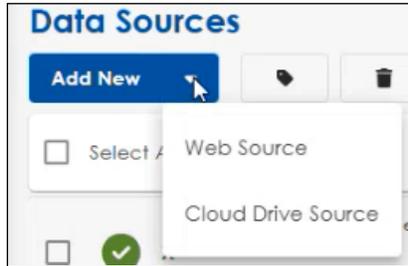

Figure 10: Add Cloud Drive Source

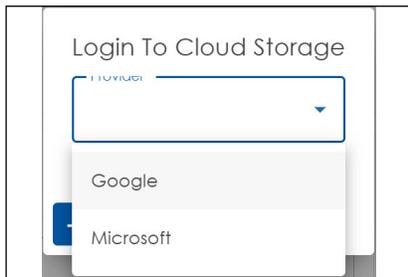2. Select a **Provider** and click **Login**. Refer to **Figure 11**.

Figure 11: Select a Provider

3. Log in using cloud storage credentials.

> **Note:** Venus uses the provided credentials to access the cloud storage. Venus will automatically log in to the provider every time the storage is accessed.

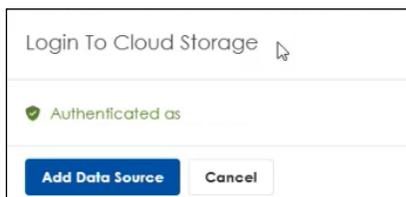4. Click **Add Data Source** to confirm authentication. Refer to **Figure 12**.

Figure 12: Login to Cloud Storage

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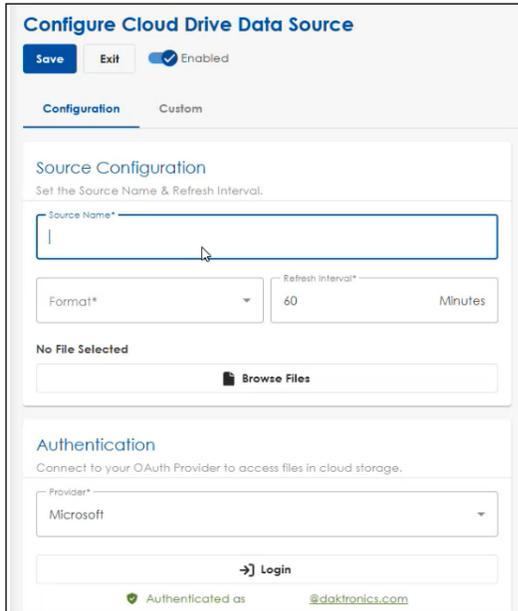**5.** Name the data source. Refer to **Figure 13**.

Figure 13: Source Configuration

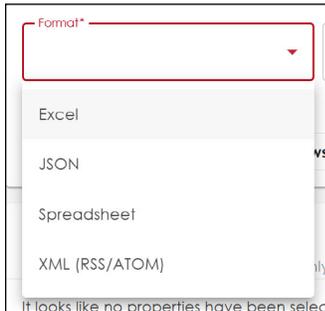**6.** Select the **Format** from the drop-down list. Refer to **Figure 14**.

Figure 14: Format List

7. Set the **Refresh Interval**.

8. Click **Browse Files**. Refer to **Figure 13**.

9. Search for the desired file by name or select it from the list. Refer to **Figure 15**.

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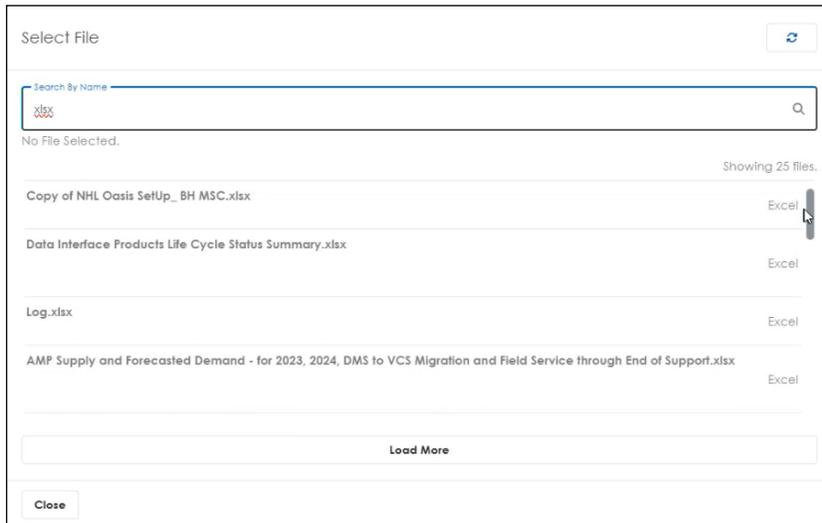10. Select a file and click **Close**. Refer to **Figure 15**.

Figure 15: *Select a File from Cloud Storage*

11. Click **+** in **Feeds** to trim the data source. The supported information depends on the file type. Refer to **Figure 16** and **Figure 17**.
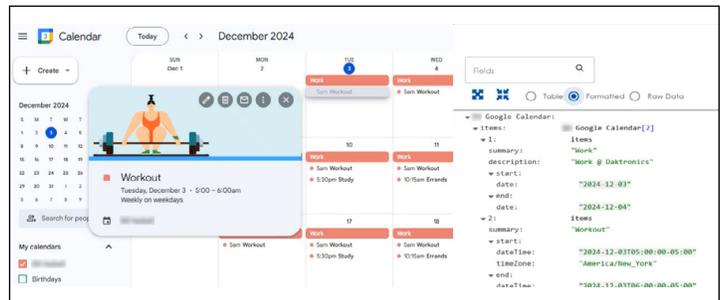

Figure 16: *Feeds*

Figure 17: *Example of Google Calendar*

> **Note:** Google Calendar files propagate title/summary, description, and start and end dates.

12. Select the data properties to be displayed. Unselected properties will not be visible in media creation. Refer to **Figure 18**.
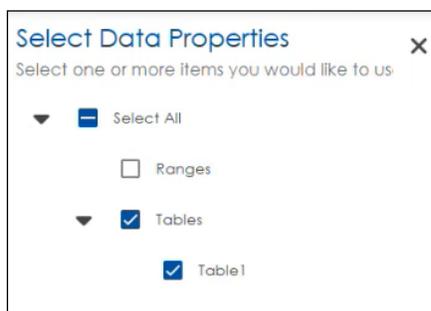

Figure 18: *Data Properties*

13. Click **Save** to finalize the data source.

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Countdowns and Count Ups

All countdown and count-up functionality has been moved to the **Web Editor** app. More information regard the Web Editor app can be found in the **Web Editor App Quick Guide** (**DD4954554**).

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