# Supermetrics for Azure Synapse



### You're in good company







HubSစ်စ်t

VANMOOF

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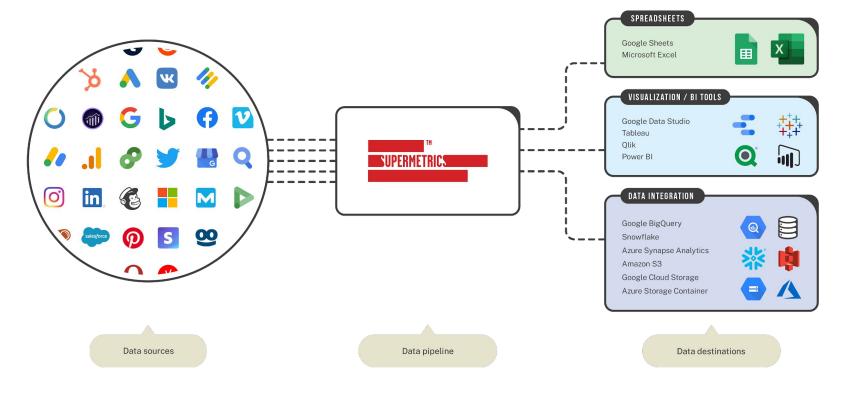








### Supermetrics in a nutshell



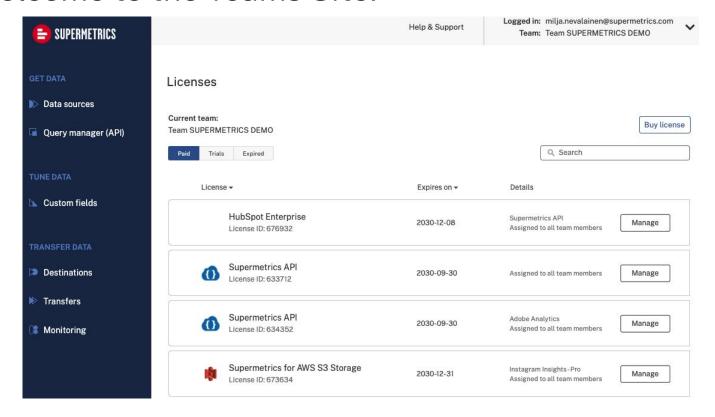


### Agenda

- Supermetrics Teams site
- Configuring your destination
- Schemas
- Configuring transfers
- Managing transfers
- Monitoring transfers
- Renewing tokens
- Data preview
- Query Manager



### Welcome to the Teams Site!





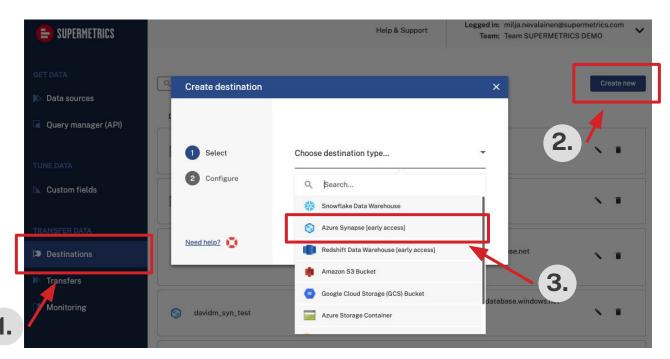
## One place to manage everything Supermetrics

- Manage team member access
- Check on billing
- Monitor product usage
- Create support tickets
- Refresh expired data source tokens
- Create, manage and monitor your data transfers



### Configuring destinations

- Navigate to "Destinations"
- 2. Create a new Transfer
- 3. Select Azure
  Synapse as your destination

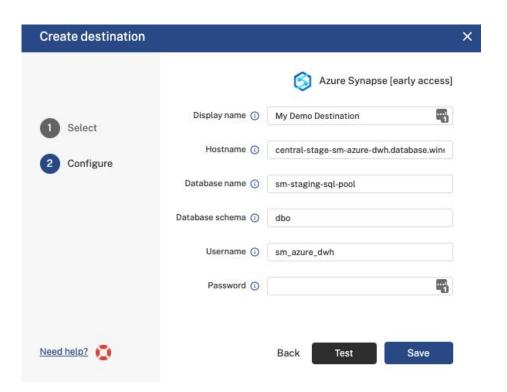




### Filling instructions

- Display name: Display name used for managing the transfer in the teams site
- Hostname: The hostname of your Azure Synapse Analytics workspace
- Database name: The name of your dedicated SQL pool
- Database schema: The name of the schema inside your dedicated SQL pool
- **Username/Password:** The username and password of an account authorized to access Azure Synapse.

More information can be found here.





#### Schemas

#### **STANDARD Schemas:**

- Most common metric and dimensions based on our users
- 1-click transfers to your destination
- Fully denormalized and optimized for NoSQL analytical performance
- Fully-documented at <u>Supermetrics docs</u>
- Supports most analysis tasks right away

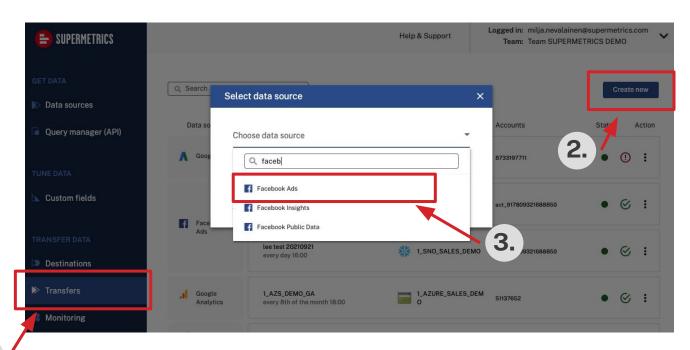
#### **Custom Schemas:**

- Exactly the metrics and dimensions you want
- Can be configured from the "top down" using our STANDARD schema as the base
- Or configured from the "bottom up" by hand-selecting metrics and dimensions
- Modifications are automatically reflected in your data destination on next transfer
- Ability to access metrics/dimensions outside the STANDARD schemas

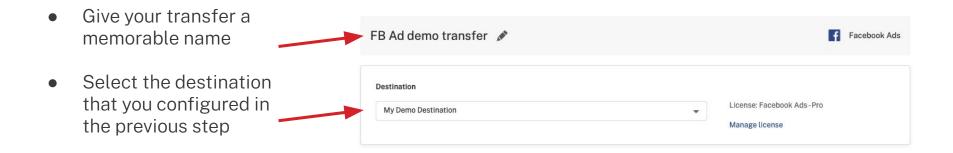


### Configuring transfers

- New transfers are initiated from the "Transfers" tab
- 2. Create new transfer
- 3. Select your data source to begin the transfer configuration











Frequency: Daily, weekly or monthly are our current offerings

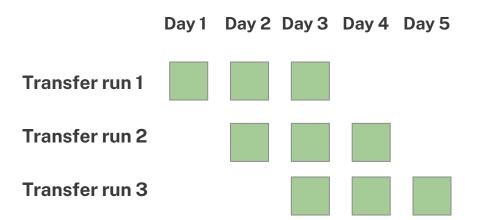
**Time:** Time of day your transfers will run. Make sure to check your timezone using the tooltip above.

**Refresh window:** The number of days of data transferred per transfer run. Extend this for data sources with long API delays or data sources with long conversion windows. 7 is usually sufficient, but the higher the number, the slower transfers complete.



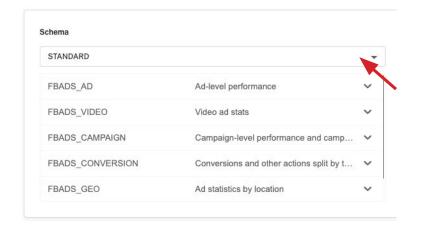
#### Refresh window:

- The number of days of data that are refreshed every time the transfer runs
- This should be greater than or equal to the attribution window for your advertising data sources
- General rule of thumb is 3 days is sufficient, but can be extended to 7 or 30 depending on your pricing package





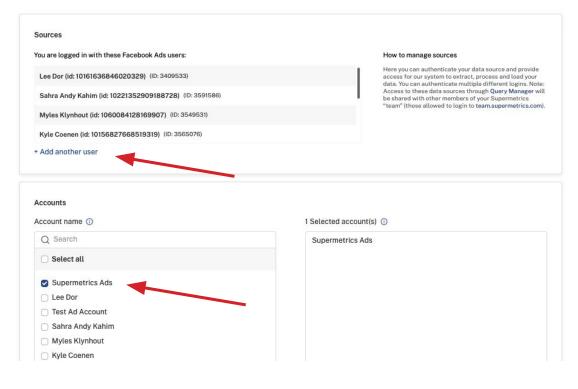
- Select the data you want to move to your destination
- STANDARD schemas are available by default, custom schemas can be added with paid Query Manager add-on
- Preview data fields, types and descriptions







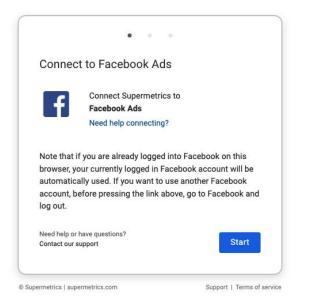
- Authenticate with your data source if you have not already
- Select the accounts you want included in the transfer





### **Data Source Authentication**





#### Two options for authentication:

- Authenticate yourself by clicking "Start" and proceeding through the auth flow.
- 2. Copy the link and share it with your colleague/client and have them authenticate. This link will expire in 10 minutes.



- Some data sources have specific settings
- Fill these in if your data source requires them
- Click save, and your transfer will begin running immediately

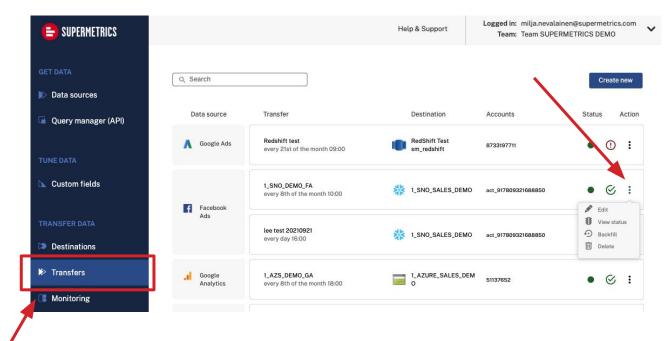
General Settings	You can select additional data source specific parameters which are defining how data will be extracted. There are general settings impacting all tables and table specific
Conversion window ①	settings.
Default attribution	<b>-</b>
Report time of action stats ①	
On conversion date (Default)	₩
Reporting timezone (optional, may have effect on some queries)	
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☐ Disable unified attribution setting <sup>①</sup>	





### Managing transfers

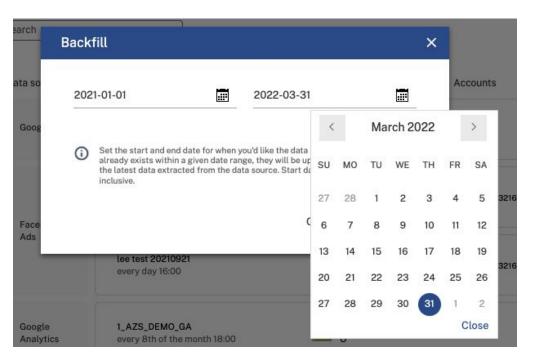
- Managing transfers on the "Transfers" page is done easily by clicking the three dots next to your transfer
- Edit your existing transfer configuration or schedule a backfill





### Managing transfers (cont.)

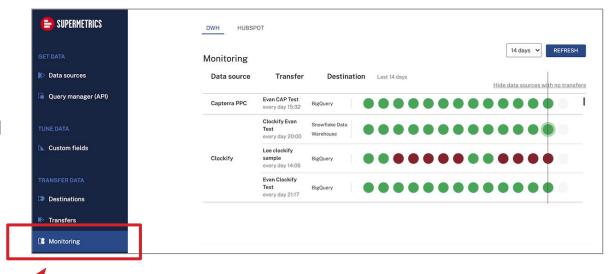
- Backfills are one-time historical loads of data
- They are completely independent of the refresh window
- Depending on data volume, these can take a few hours or a few days





### Monitoring transfers

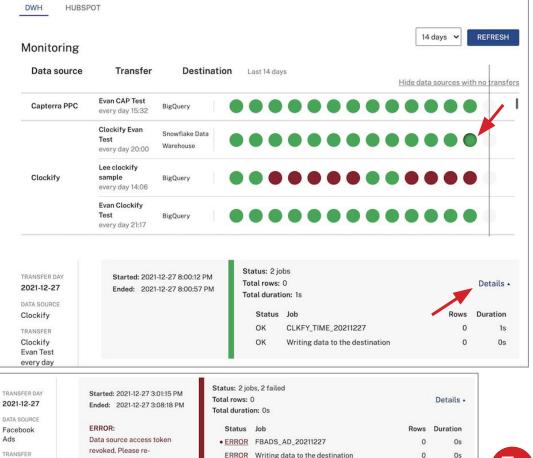
- The monitoring page has a comprehensive view of all data transfers in the team
- The person who configured the transfer will automatically be notified if there is a transfer failure
- = Successful
- = In progress
- = Failed





## Monitoring transfers (cont.)

- Click into an individual transfer run to view its details
- If a transfer fails, click "Details" to view a full log of the error
- Most commonly this is due to an expired token



authenticate to data source.

Run ID: 17766485

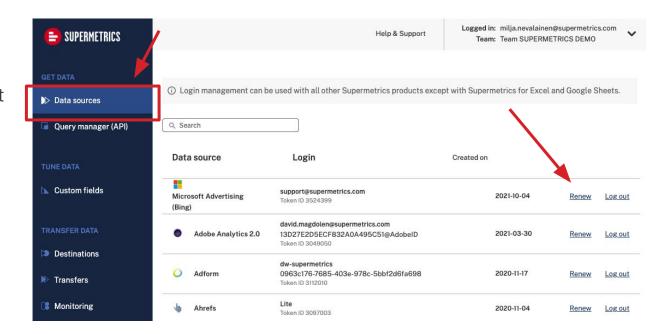
test transfer

every day 12:18



### Renewing tokens

- Tokens will need to be refreshed periodically
- Supermetrics does not have any control over this, some tokens are long-lived and others are not
- Navigate to "Sources" and find your token to renew if your transfer fails





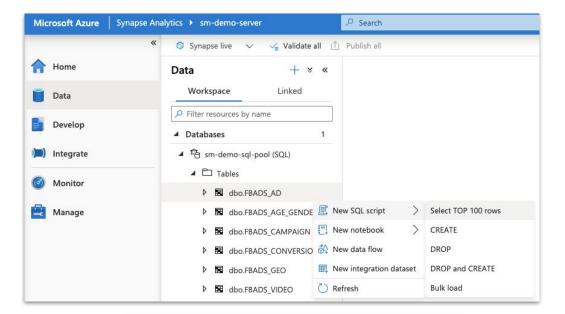
### Renewing tokens (cont.)

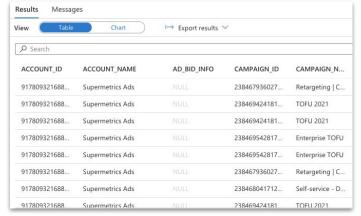
- Tokens are isolated for specific products in Supermetrics
- le. authenticating once in Query Manager does not authorize you to use that same token for configuring a transfer
- Tokens for other products (Google Sheets, Data Studio and BigQuery) can be renewed and revoked in the "Sources" section, but do not automatically work between products



### Data preview

- Your tables live inside of your dedicated SQL pool
- Data from the entire date range of your transfer lives inside these tables
- Your data can be used in many ways in the Synapse ecosystem







### Query Manager

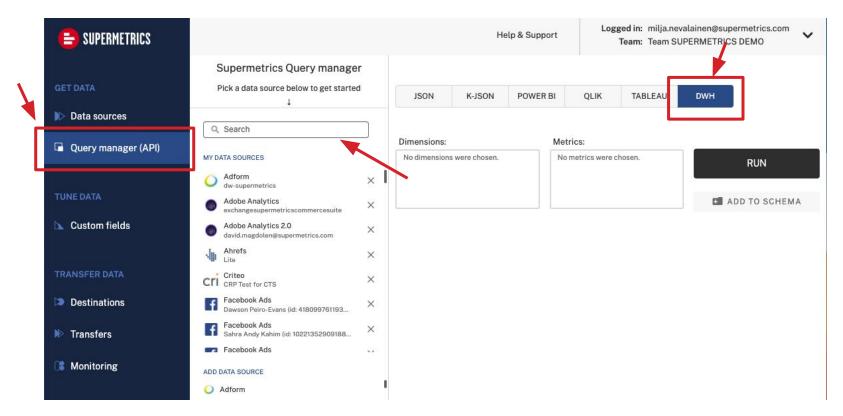
- A single place for managing your custom schemas
- Queries and schemas can be shared among team members
- A single "Query" will show up as a single table in your destination
- When you configure transfers, you select schemas, not queries

#### **Key Concepts:**

**Query:** A specific set of metrics and dimensions for a given data source

**Schema:** A group of queries within the same data source

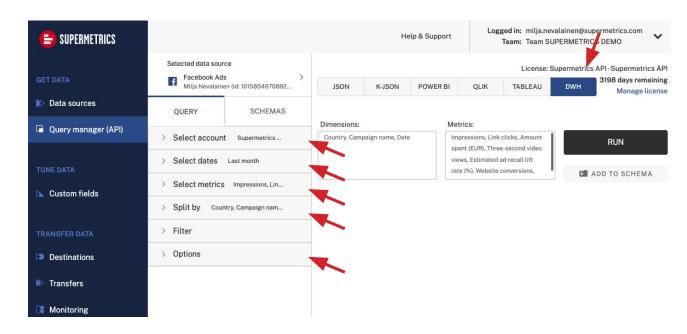






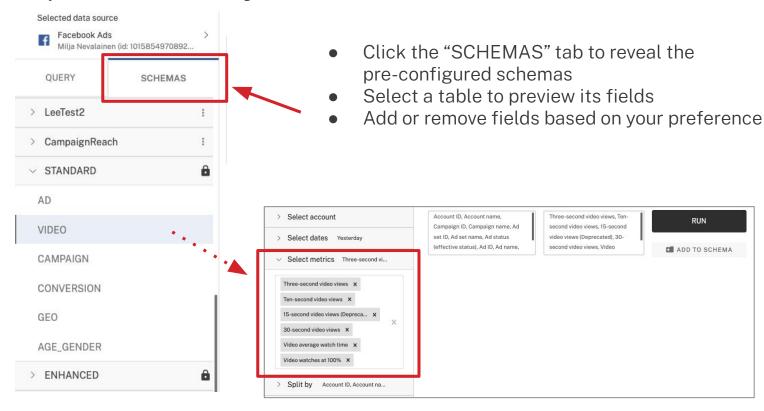
### "Bottom up" Query

- Hand select your metrics and dimensions
- Pick a date range for the data preview (this does not impact your destination)
- Set options



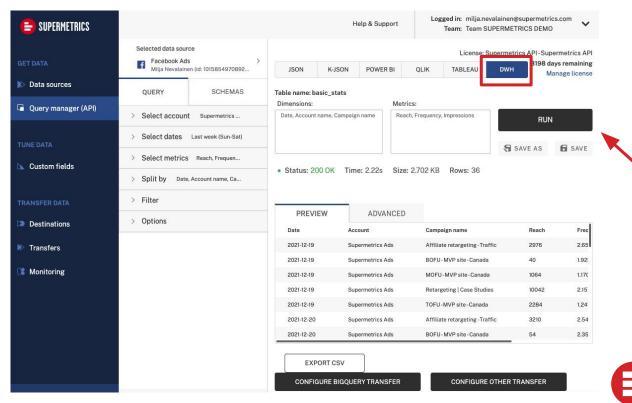


### "Top down" Query

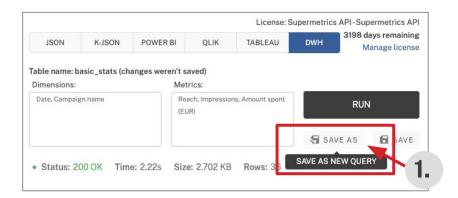


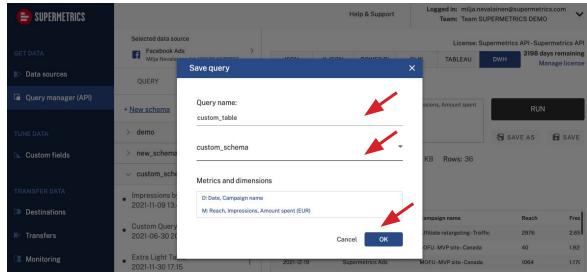


- Click "Run" to generate a data preview
- Add or remove metrics to your query, testing frequently to avoid "Illegal metric/dimension combinations"



- When you're satisfied, click the "SAVE AS" button
- Give your query a name and save it to a schema







- Your custom schema and associated tables now show up under "SCHEMAS"
- Modifications to your schema will show up on the next data transfer run

