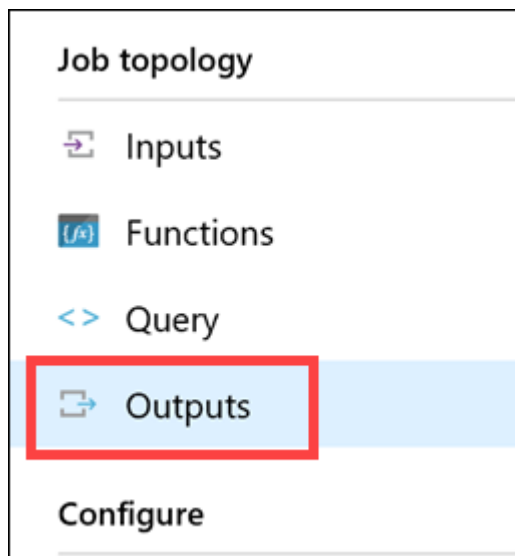


# Exercise – Create Power BI output

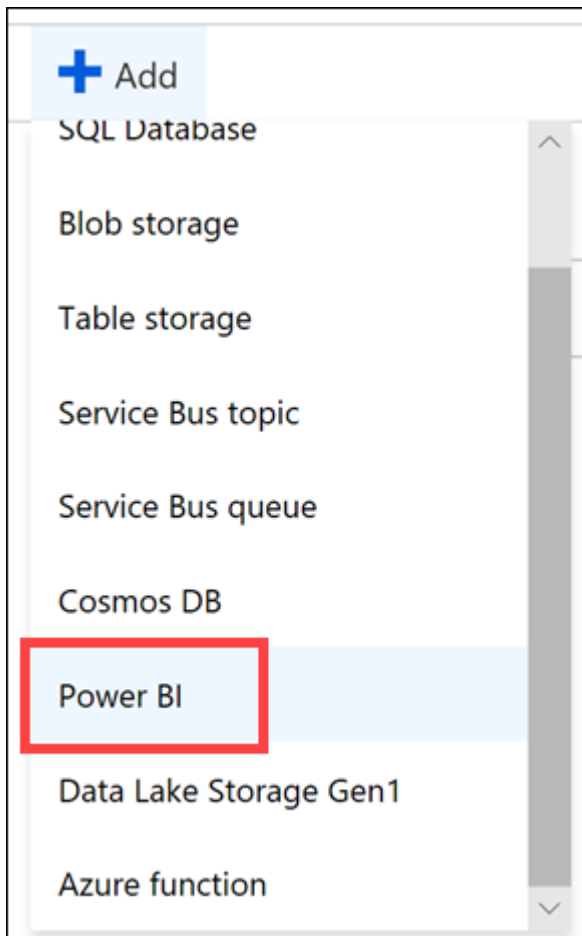
5 minutes

In this exercise, you configure an Azure Stream Analytics output for Power BI and a second output for [Azure Synapse Analytics](#). [Power BI](#) provides a platform for visualizing and analyzing aggregated data in a near-real-time analytics pipeline built on Azure Event Hubs, Azure Stream Analytics, and Power BI.

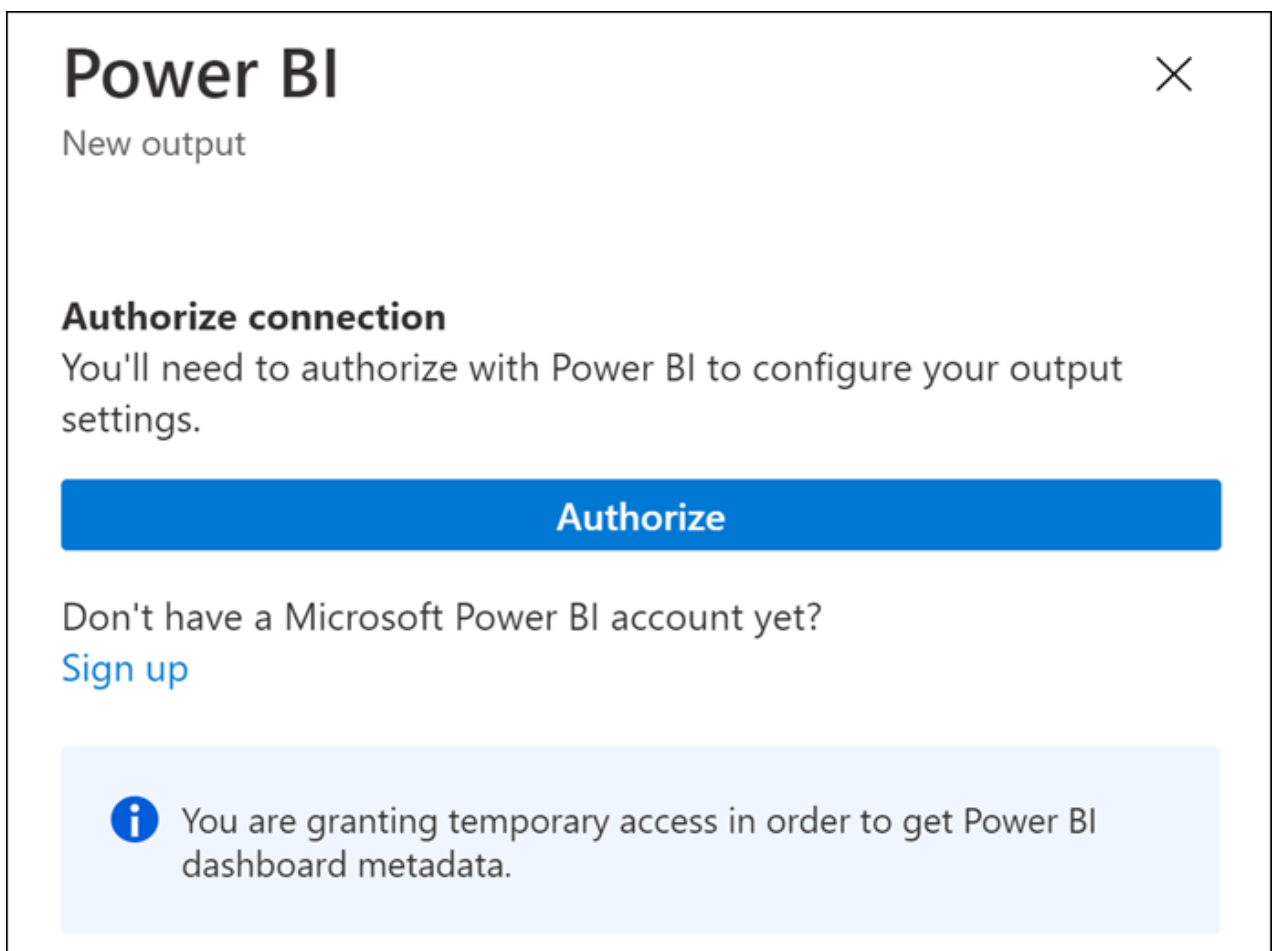
1. From your Stream Analytics job's blade in the [Azure portal](#) , select **Outputs** in the left-hand navigation menu.



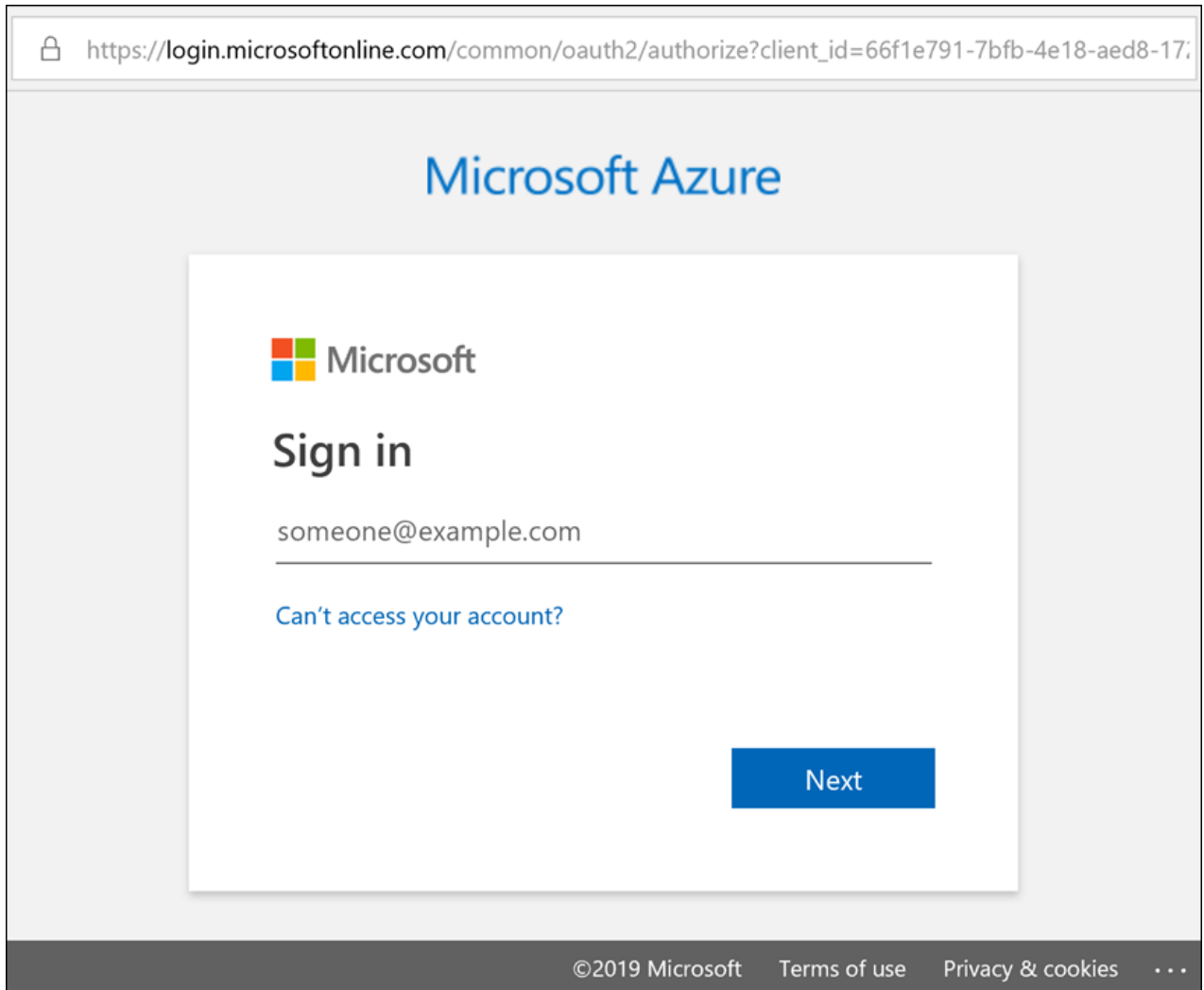
2. On the Outputs blade, select + **Add** in the top toolbar, then select **Power BI** to create a new Power BI output.



3. In the **New Output** blade, select the **Authorize** button to authorize a connection from Stream Analytics to your Power BI account.

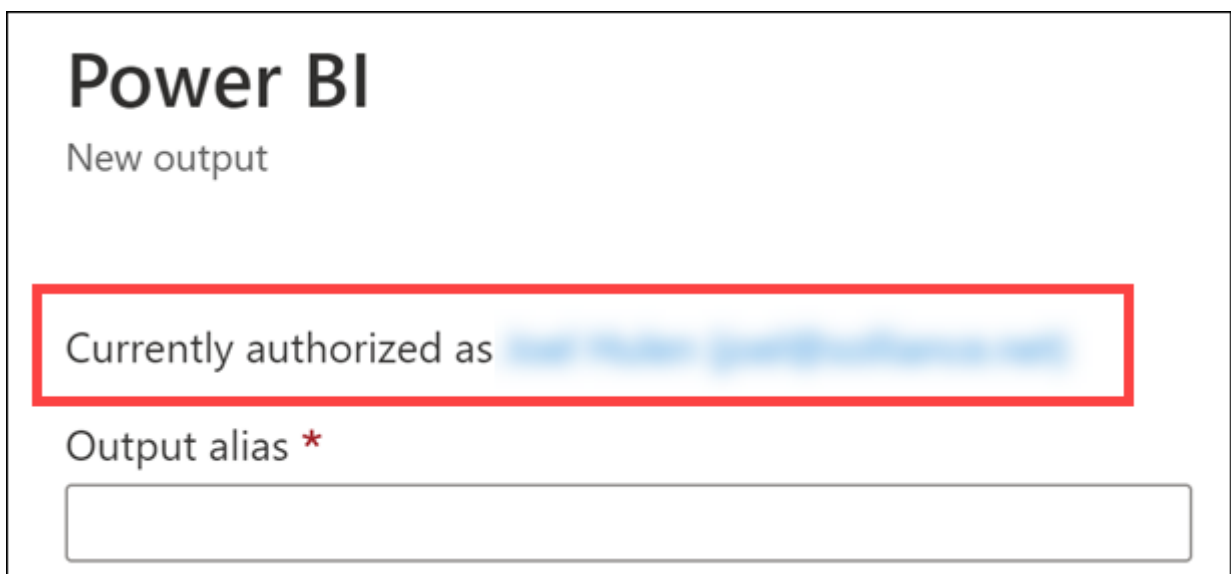


4. When prompted, sign in to your Power BI account, which is the same username and password you were provided with and used to log in to the Azure portal.



The screenshot shows a web browser window with the URL [https://login.microsoftonline.com/common/oauth2/authorize?client\\_id=66f1e791-7bfb-4e18-aed8-17](https://login.microsoftonline.com/common/oauth2/authorize?client_id=66f1e791-7bfb-4e18-aed8-17). The page features the "Microsoft Azure" logo at the top. Below it is a white sign-in card with the Microsoft logo and the text "Sign in". A text input field contains the email address "someone@example.com". Below the input field is a link that says "Can't access your account?". A blue "Next" button is positioned at the bottom right of the sign-in card. The footer of the page includes the copyright notice "©2019 Microsoft" and links for "Terms of use" and "Privacy & cookies".

5. After successfully signing in to your Power BI account, the New Output blade will update to show you are currently authorized.



The screenshot displays the "Power BI" interface with the "New output" section. A red rectangular box highlights the text "Currently authorized as" followed by a blurred email address. Below this, there is a label "Output alias" with a red asterisk, and an empty text input field.

6. In the **New Output** blade, configure the following:

- **Output alias:** Enter "powerBIAlerts".
- **Authentication mode:** Select "User token".
- **Group workspace:** Select "My Workspace" (if you do not see this option, select the "User token" authentication mode first).
- **Dataset name:** Enter "ContosoAutoVehicleAnomalies".
- **Table name:** Enter "Alerts".

# Power BI

×

New output

Currently authorized as [\[redacted\]](#)

Output alias \*

 ✓

Group workspace

 ▼

Dataset name \* ⓘ

 ✓

Table name \*

 ✓

Authentication mode

 ▼

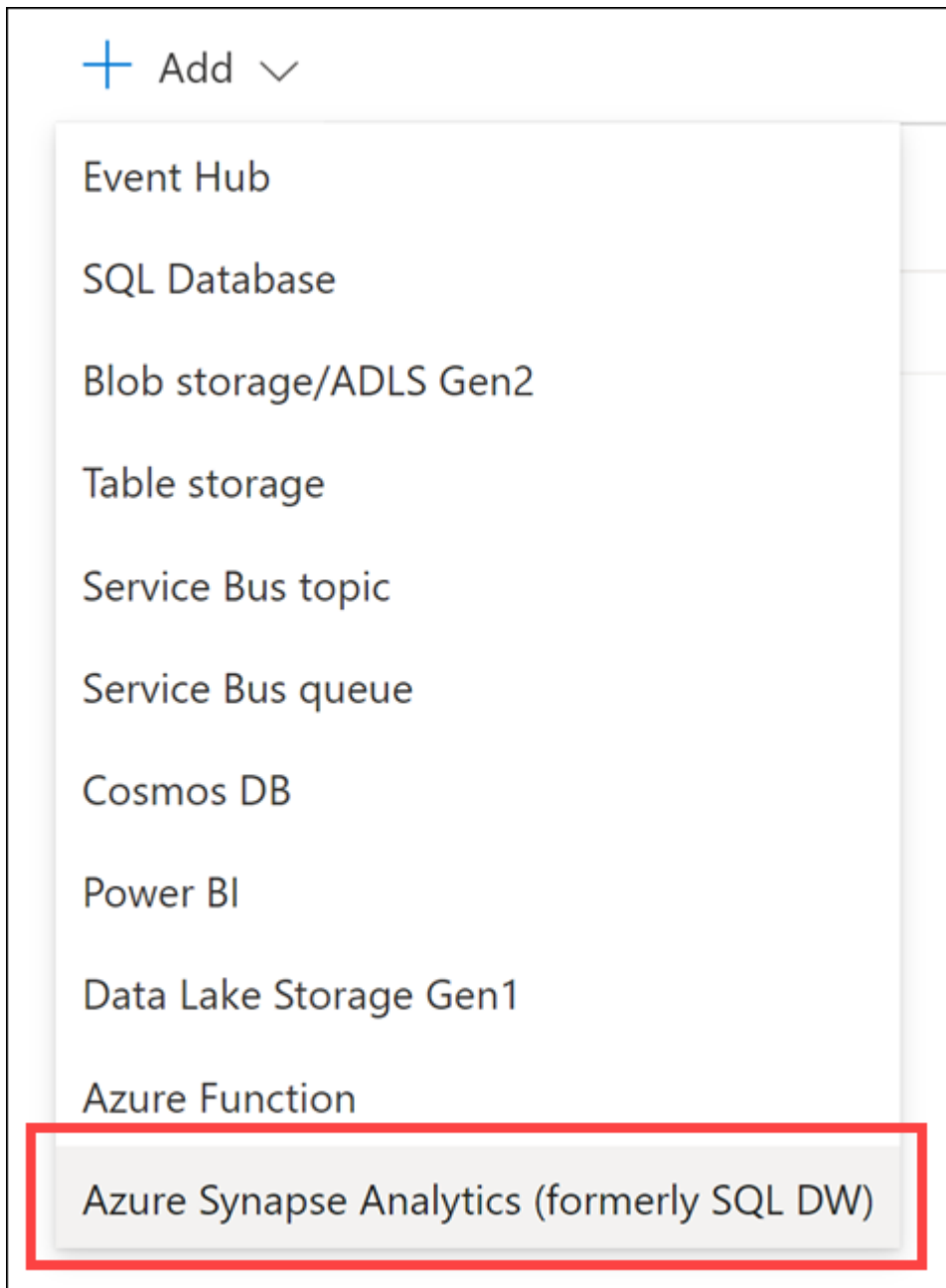
**i** Note: You are granting this output permanent access to your Power BI dashboard. Should you need to revoke this access in the future you can do one of the following:

1. Change the user account password.
2. Delete this output.
3. Delete this job.

7. Select **Save** on the bottom of the form when you have finished entering the values.

## Create an Azure Synapse Analytics output

1. Select **+ Add** in the top toolbar a second time and select **Azure Synapse Analytics (formerly SQL DW)** to create a new Synapse Analytics output.



2. In the **New Output** blade, configure the following:

- **Output alias:** Enter "synapse".
- **Select Azure Synapse Analytics from your subscriptions:** Selected.
- **Subscription:** Select the subscription you are using for this lab.
- **Database:** Select "ContosoAuto". Make sure your correct Synapse workspace name appears under "Server name".
- **Table:** Enter `dbo.VehicleAverages`
- **Authentication mode:** Select "Connection string".
- **Username:** Enter `asa.sql.admin`

- **Password:** Enter the SQL admin password value you entered when deploying the lab environment.


## Azure Synapse Analytics (for...

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New output

Output alias \*

synapse



☐ Provide Azure Synapse Analytics settings manually

☒ Select Azure Synapse Analytics from your subscriptions

Subscription

Subscription Analytics Services and tools

▼

Database

ContosoAuto

▼

Server name

asaworkspacede44

Table \*

dbo.VehicleAverages

✓

Authentication mode

Connection string

▼

Username \*

asa.sql.admin

✓

Password \*

.....

