

Using the [Enpublica Data Connector](#) for Power BI – Setting up Scheduled Refresh

A new data connector provides easy access to over 1 million economic and energy-related time series directly in Power BI

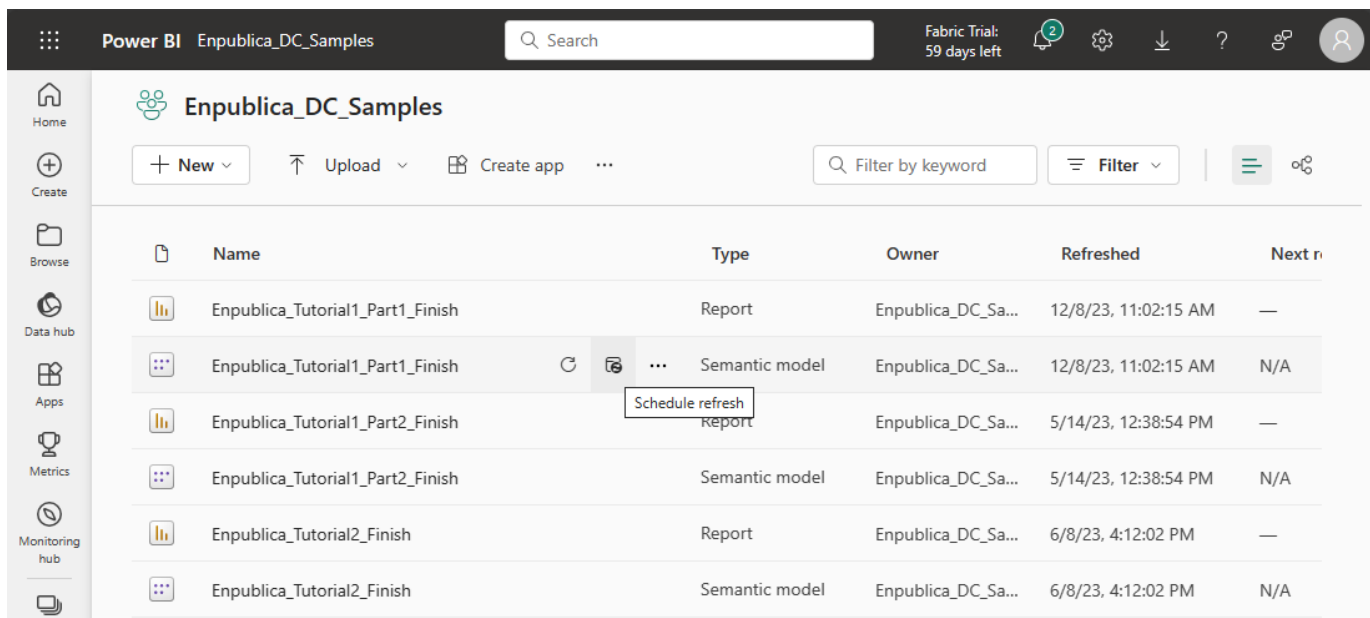
Summary

To schedule a data refresh, first publish a report to the Power BI Service. Then, configure the gateway connection within the semantic model (dataset).

Getting Started

You've built a report using the Enpublica Data Connector – and now want to schedule a periodic refresh. Realize that if you are using *only* the Power BI Desktop, there isn't a built-in way of "scheduling" refresh; the Desktop app is meant to be used interactively. Granted, it may be possible to cobble something together using an automation tool – but for a supported refresh, you need to publish a report to the Power BI Service and then configure a refresh schedule. Let's walk through an example using one of the sample reports. To follow along, download [Enpublica Tutorial1 Part1 Finish.pbix](#).

Next, create a workspace in the Power BI Service (or use the default My workspace). In this example, I've created a workspace named **Enpublica_DC_Samples**. Upload the Enpublica_Tutorial1_Part1_Finish report (you can upload a report from a browser – or directly in the Power BI Desktop via the Publish button). After publishing a report, the service creates two items with the same name – a report and a Semantic model (formerly referred to a dataset).



	Name	Type	Owner	Refreshed	Next refresh
	Enpublica_Tutorial1_Part1_Finish	Report	Enpublica_DC_Sa...	12/8/23, 11:02:15 AM	—
	Enpublica_Tutorial1_Part1_Finish	Semantic model	Enpublica_DC_Sa...	12/8/23, 11:02:15 AM	N/A
	Enpublica_Tutorial1_Part2_Finish	Report	Enpublica_DC_Sa...	5/14/23, 12:38:54 PM	—
	Enpublica_Tutorial1_Part2_Finish	Semantic model	Enpublica_DC_Sa...	5/14/23, 12:38:54 PM	N/A
	Enpublica_Tutorial2_Finish	Report	Enpublica_DC_Sa...	6/8/23, 4:12:02 PM	—
	Enpublica_Tutorial2_Finish	Semantic model	Enpublica_DC_Sa...	6/8/23, 4:12:02 PM	N/A

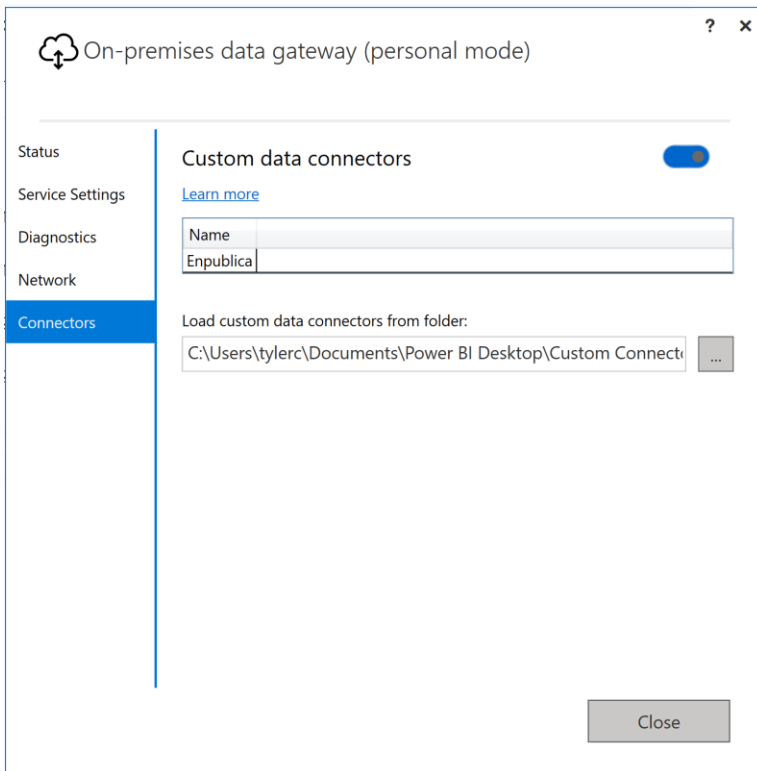
To schedule a refresh, hover over the semantic model and select the **Schedule refresh** menu-item; alternatively, select **More options-Settings**. Then, scroll down and expand the Refresh menu to configure a schedule. Pretty simple, right? I wish it was that simple, and one day it hopefully will be* – but for now, we also need to install/configure a gateway.

**Use of a gateway for built-in/certified datasets is optional; when/if the Enpublica Data Connector becomes certified, the gateway will not be needed!*

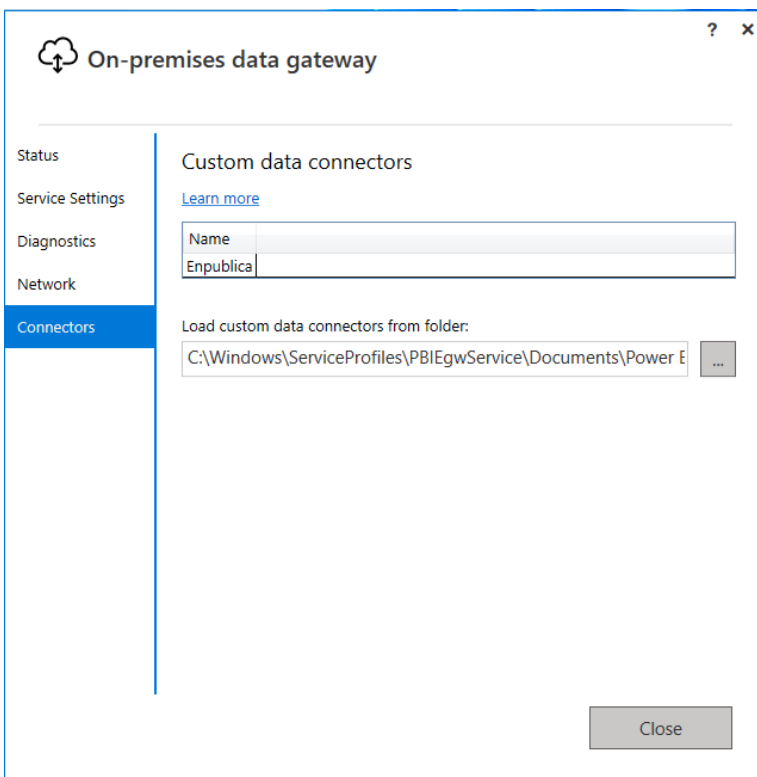
Installing a Gateway

The On-premise data gateway can be installed in one of two modes – personal or standard. Both methods are described here - [Install an on-premises data gateway | Microsoft Learn](#). As the name implies, personal mode is meant for one person (connections cannot be shared with other users). The install process is simple; you'll need to sign in at the end of the install process to connect the gateway to your Power BI tenant. If you install the gateway in personal mode on the *same* machine/laptop where you installed the Enpublica data connector, there aren't any additional steps needed after completing the install process (custom connectors are enabled by default – and the personal gateway looks for connector files in the same location as the Power BI Desktop).

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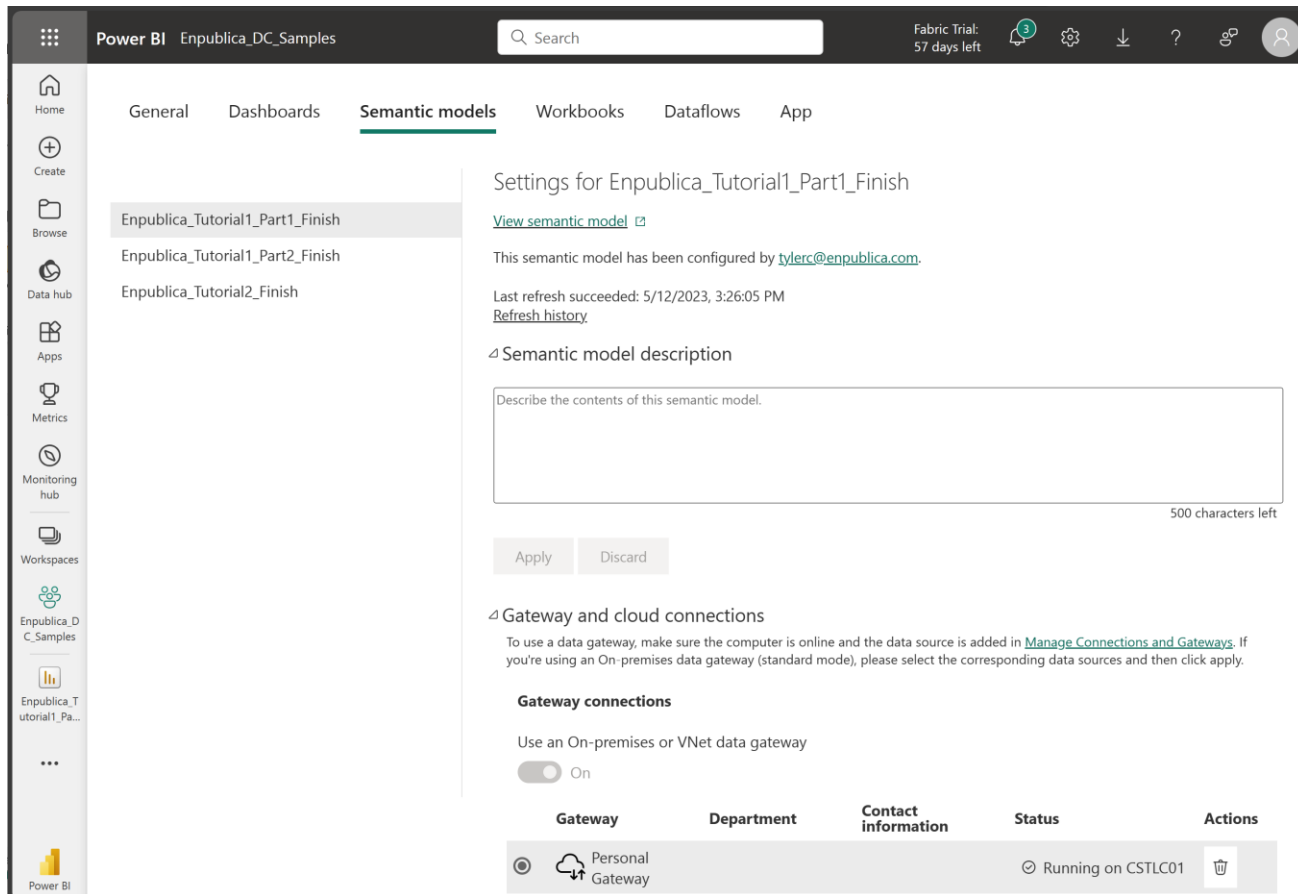


For Standard mode gateways, you'll need to also copy the connector file (Enpublica.pqx) to a folder that the gateway service can access (see description here - [Use custom data connectors with the on-premises data gateway - Power BI | Microsoft Learn](#)).



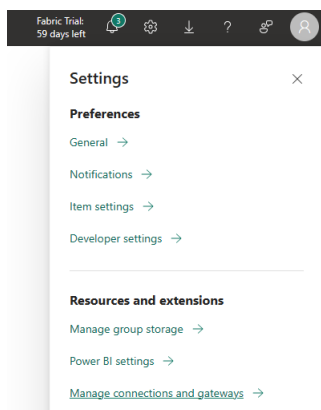
Configure the connection

With a gateway installed, you can now configure the gateway connection. For personal mode gateways, this is straightforward; it uses the credentials already configured on the machine. You can simply hit the Apply button and then configure a Refresh schedule (and/or refresh on-demand).



Gateway	Department	Contact information	Status	Actions
	Personal Gateway		Running on CSTLC01	

For Standard Mode gateways, you'll need to first create a connection. Select the Gear (Settings) icon in the Power BI Browser, and select **Manage connections and gateways**.



Next, hit **+ New**, select the gateway from the drop-down box, give the Connection a name, and select the Connection type. You'll then be prompted to select a Data Source (Fred, EIA, or Enpublica) and api key. Enter these values and create the connection.

New connection

On-premises

Virtual network

Cloud

Gateway cluster name *

HouH1

Connection name *

Enp_Fred_Example1

Connection type *

Enpublica

Data Source (FRED, EIA, or Enpublica) *

enpublica_FRED

Authentication

Authentication method *

Enter an api key

Enter an api key *

.....

☐ Skip test connection

General

Privacy level *

Organizational

Create

Close

Back in the Semantic Model Settings, you can now configure the Gateway connection to use this new connection.

Gateway and cloud connections

To use a data gateway, make sure the computer is online and the data source is added in [Manage Connections and Gateways](#). If you're using an On-premises data gateway (standard mode), please select the corresponding data sources and then click apply.

Gateway connections

Use an On-premises or VNet data gateway

☒ On

Gateway	Department	Contact information	Status	Actions
Personal Gateway			Running on CSTLC01	
HouH1		tylerc@enpublica.com	Running on HOUHOME1	

Data sources included in this semantic model:

Extension["extensionDataSourceKind":"Enpublica","extensionDataSourcePath":["\\EnpublicaDataSource\\";"enpublica_FRED\"]]

Maps to:

Enp_Fred_Example1

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