# 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*

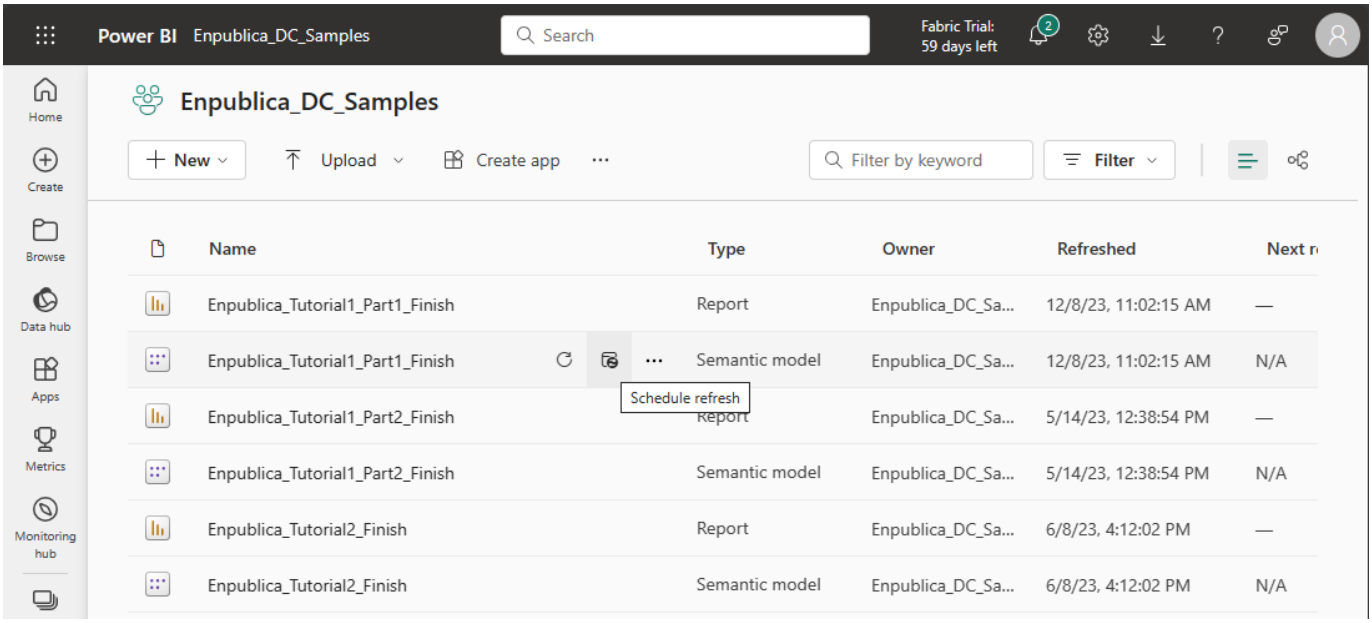
## Summary

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).



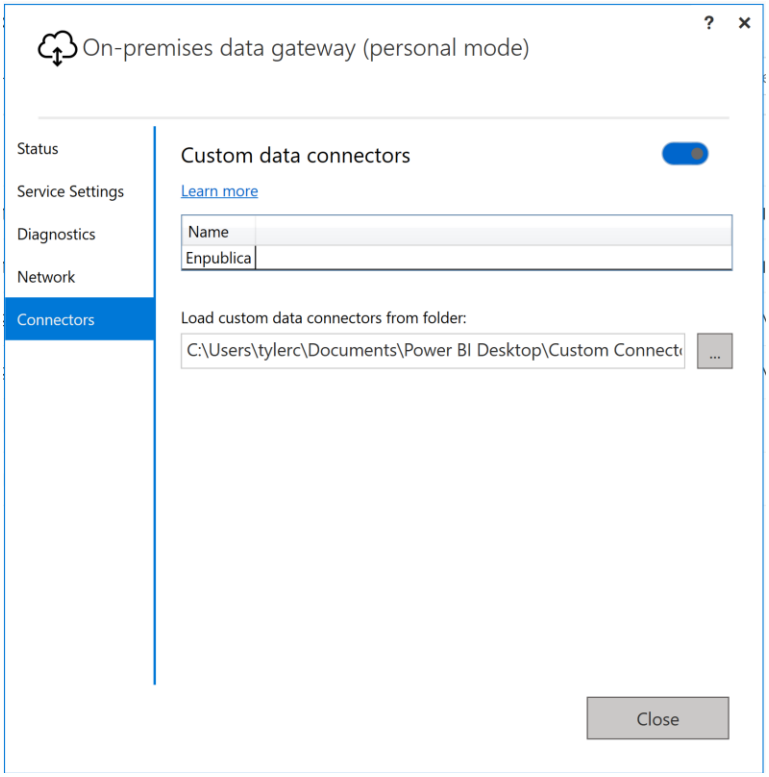

To schedule a refresh, hover over the semantic model and select the **Schedule refresh** menu-item; alternatively, select ***More options-Settings***. Then, scroll down and expand the Refresh menu to configure a schedule. Pretty simple, right? I wish it was that simple, and one day it hopefully will 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!*

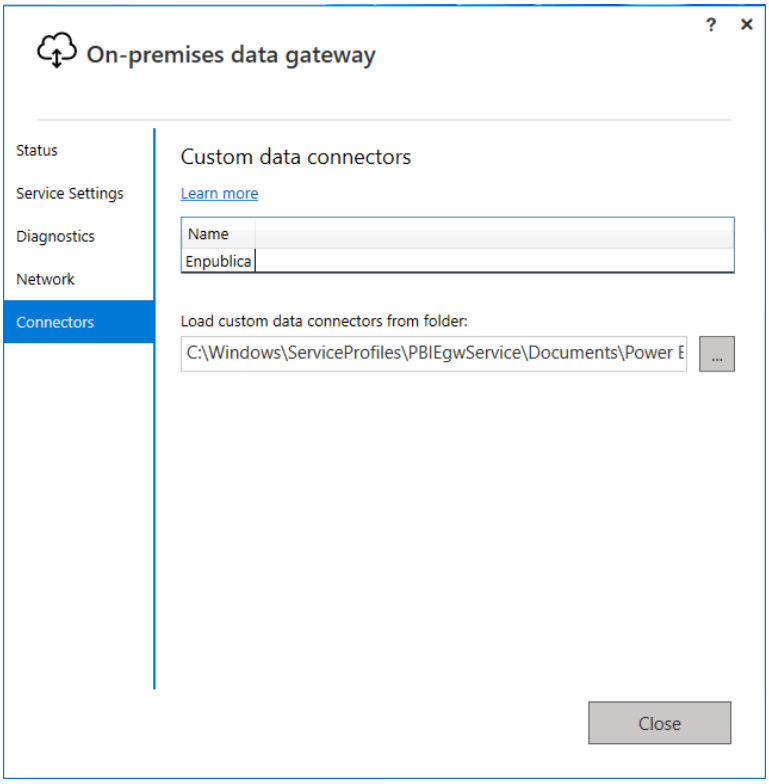
## Installing a Gateway

The On-premise data gateway can be installed in one of two modes – personal or standard. Both method 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).

Last Saved: 12/8/2023 3:58:00 PM



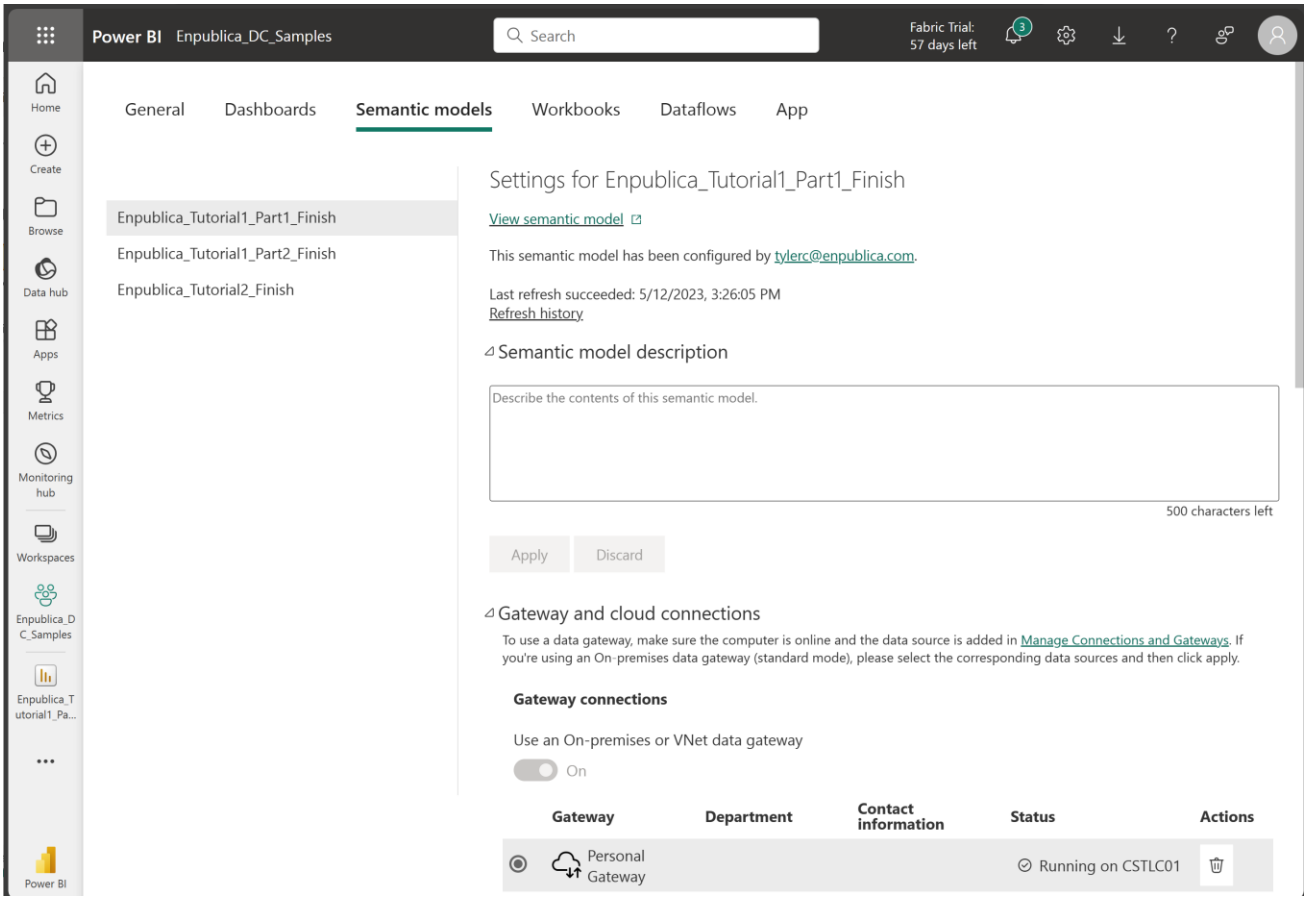

For Standard mode gateways, you'll need to also copy the connector file (Enpublica.pqx) to a folder that they gateway service can access (see description here - [Use custom data connectors with the on-premises data gateway - Power BI | Microsoft Learn]).



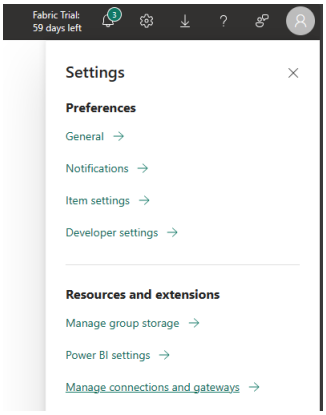

Last Saved: 12/8/2023 3:58:00 PM

## 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).

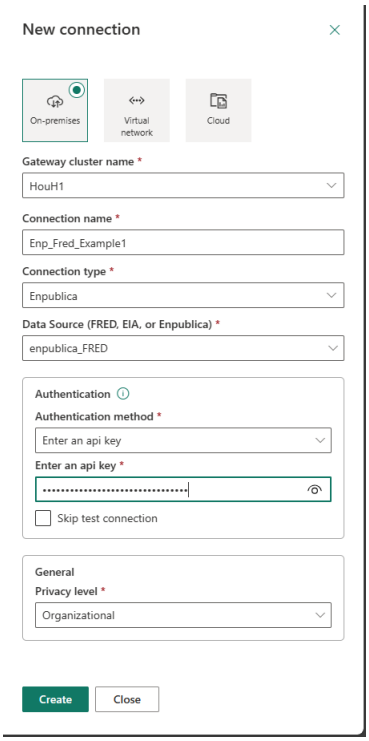



For Standard Mode gateways, you'll need to first create a connection.  Select the Gear (Settings) icon in the Power BI Browser, and select **Manage connections and gateways.**

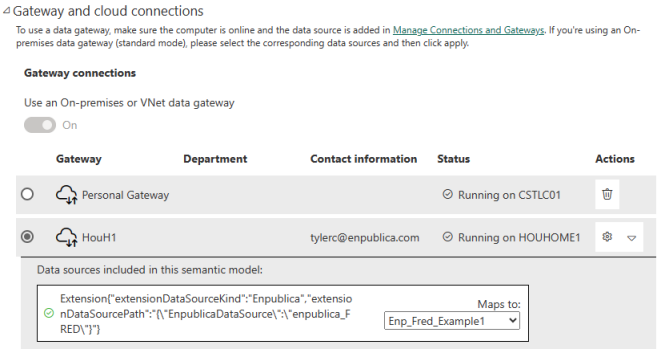



Next, hit **+ New**, select the gateway from the drop-down box, give the Connection a name, and select the Connection type.  You'll then be prompted to select a Data Source (Fred, EIA, or Enpublica) and api key.  Enter these values and create the connection.

Last Saved: 12/8/2023 3:58:00 PM




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




Last Saved: 12/8/2023 3:58:00 PM