

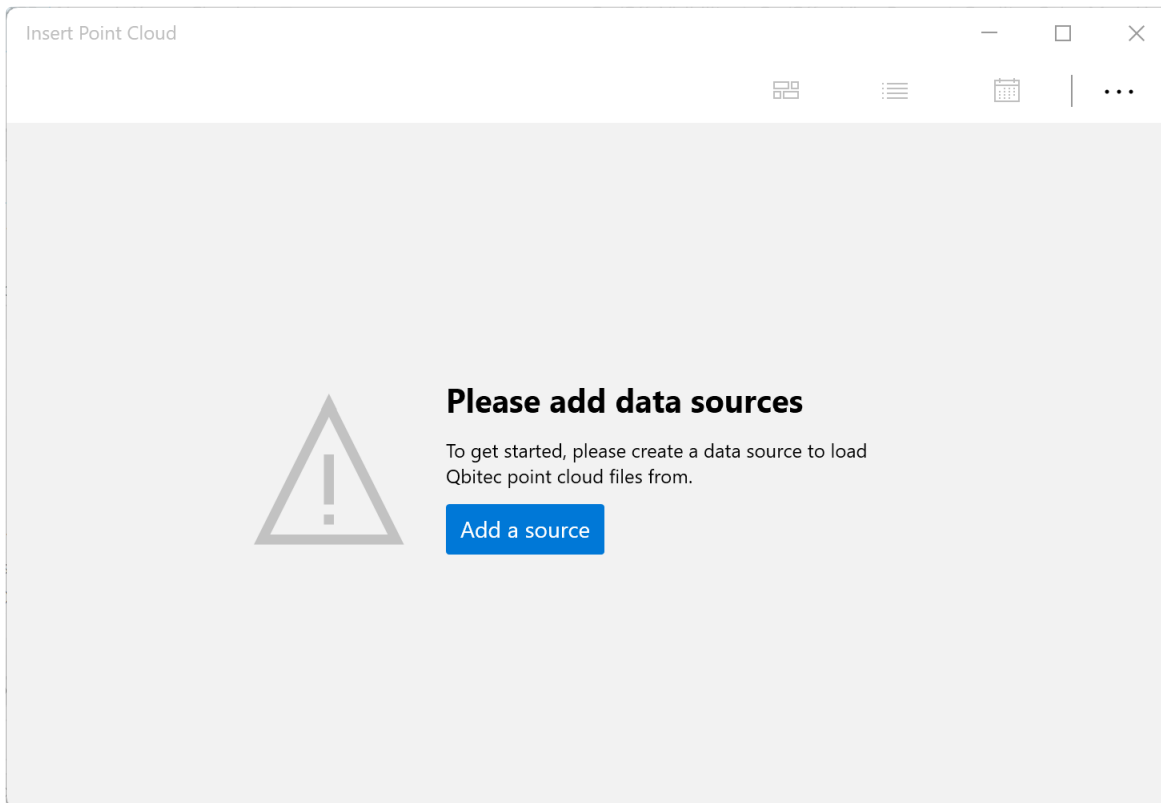
Data Sources

Before inserting your first point cloud into an Autodesk Revit document using the Qbitec for Revit Plugin, you must first configure a data source. A data source is the location where your point cloud data is stored.

A data source can be either a local folder or a network drive / folder or a remote source in the cloud such as NavVis IVION.

Adding a new Data Source

If no data source has been configured yet and you click the **Insert Point Cloud** button in the Qbitec Ribbon, the **Insert Point Cloud** window will notify you that a new source must be created before a point cloud can be inserted.



Click on the **Add a source** button to configure your first data source.

If data sources already exist and an additional one needs to be added, open the **Qbitec Settings** dialog via the **Config/License** button in the Qbitec Revit Plugin ribbon in Autodesk Revit.



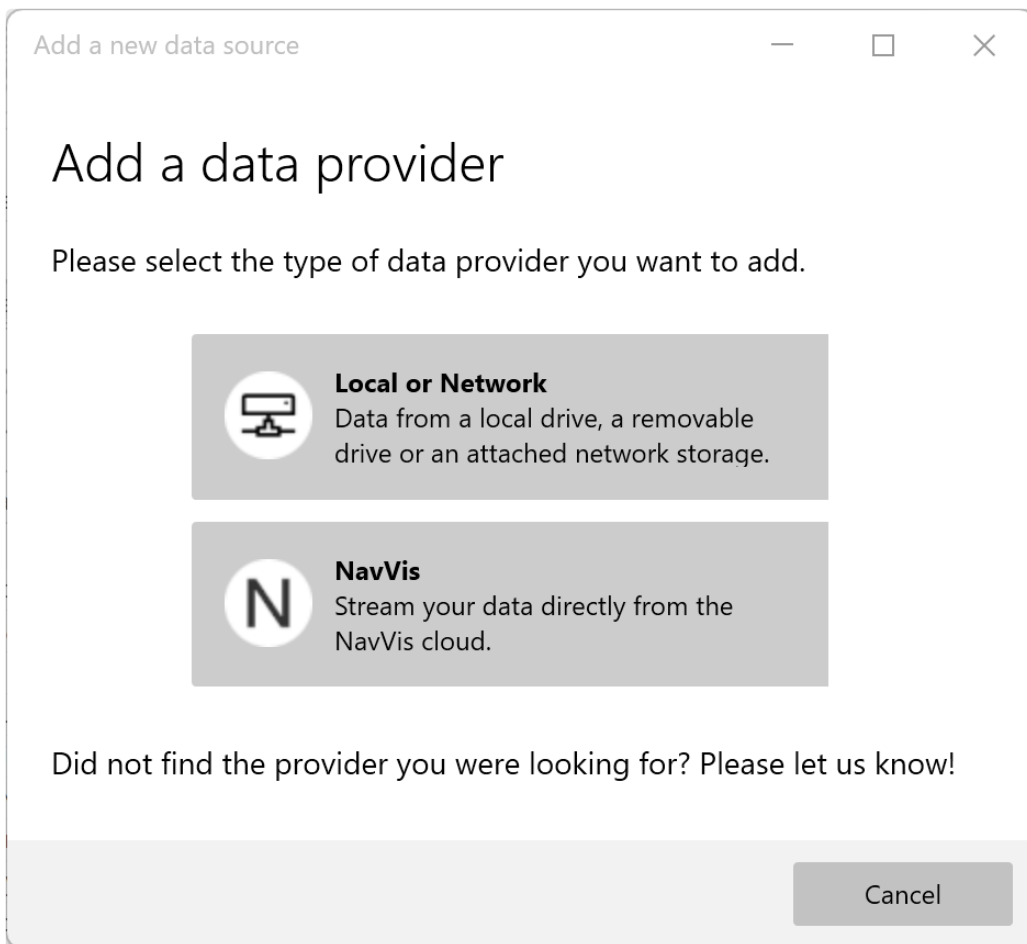
Config/License

Then select **Sources** on the left side and click **Add a new data source** to start the wizard for creating a new data source.

The screenshot shows the 'Qbitech Settings' application window. On the left, a sidebar contains several settings categories: 'Sources' (highlighted with a red box), 'License Settings', 'Software Update', 'Converter Settings', and 'Logging'. The main area is titled 'Data Sources' and contains the instruction: 'Configure data sources to stream point clouds locally or from the cloud. You can add the same type of data source multiple times.' Below this is a table with two columns: 'Type' and 'Location'. The table contains one entry: 'Local' in the 'Type' column and 'C:\pointclouds' in the 'Location' column. A trash icon is visible to the right of the table entry. At the bottom of the window, there is a button labeled 'Add a new data source' (highlighted with a red box) and a 'Close' button in the bottom right corner.

Type	Location
Local	C:\pointclouds

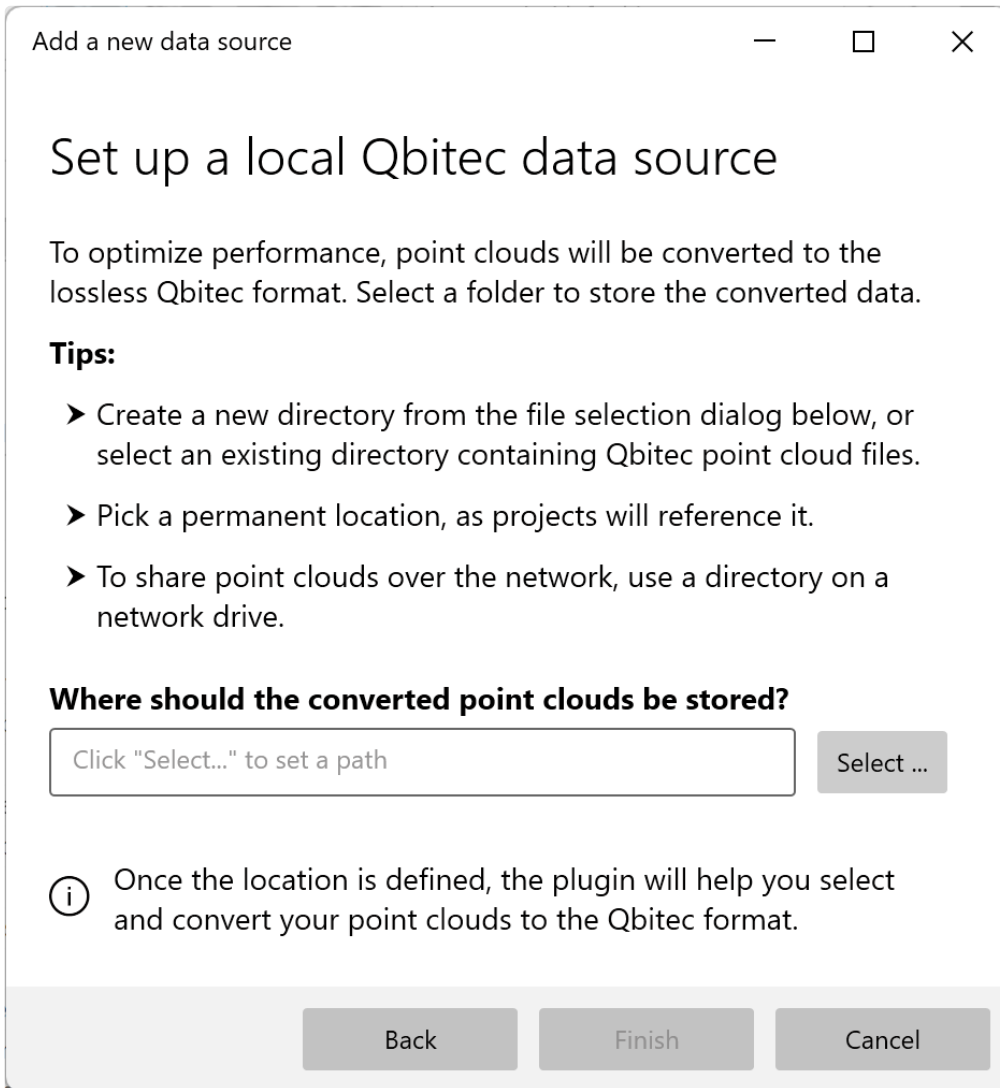
First you need to select the type of data provider which can be either **Local or Network** or a **NavVis** IVION instance.



Local or Network Sources

If you plan to store your point clouds in a folder on a local hard drive, an external USB drive, or a network drive path, you need to configure a **local data source**.

You can either select a folder that already contains Qbitech point clouds, or choose a new folder where Qbitech point clouds will be stored in the future.



Point clouds that are not available in the Qbitec format—such as files in **E57**, Autodesk ReCap, or **LAS/LAZ** format—must first be converted.

The selected target path refers to the folder where the converted point clouds will be stored, not the location of the original source data.

Once a valid folder is selected click on the **Finish** button to complete the wizard.

To convert your first point cloud see [Point Cloud Conversion section](#) for more details.

NavVis IVION Sources

If you chose to set up a new NavVis Ivion instance as a data source you first need to provide the URL of the instance.

The screenshot shows a dialog box titled "Add a new data source" with standard window controls (minimize, maximize, close) in the top right. The main heading is "Set up a NavVis source". Below this, a text instruction reads: "Please provide the complete instance URL (including "https://"), i.e. the browser link you use to access your NavVis sites." A text input field is provided with the placeholder text "Enter NavVis Instance URL...". Below the input field is a checkbox labeled "Login without credentials". At the bottom of the dialog, there are three buttons: "Back", "Next", and "Cancel".

NavVis instances can be configured to allow public access, enabling users to view point clouds and/or panoramic images without requiring a password.

If access to the instance should be possible without credentials, the **Login without credentials** option must be enabled. If access is intended to require a specific login, this option must remain disabled.

Control over which data within the instance is accessible is managed entirely on the server side. Furthermore, the plugin operates in a strictly read-only manner. It does not perform any API calls to the NavVis instance that could modify or delete data.

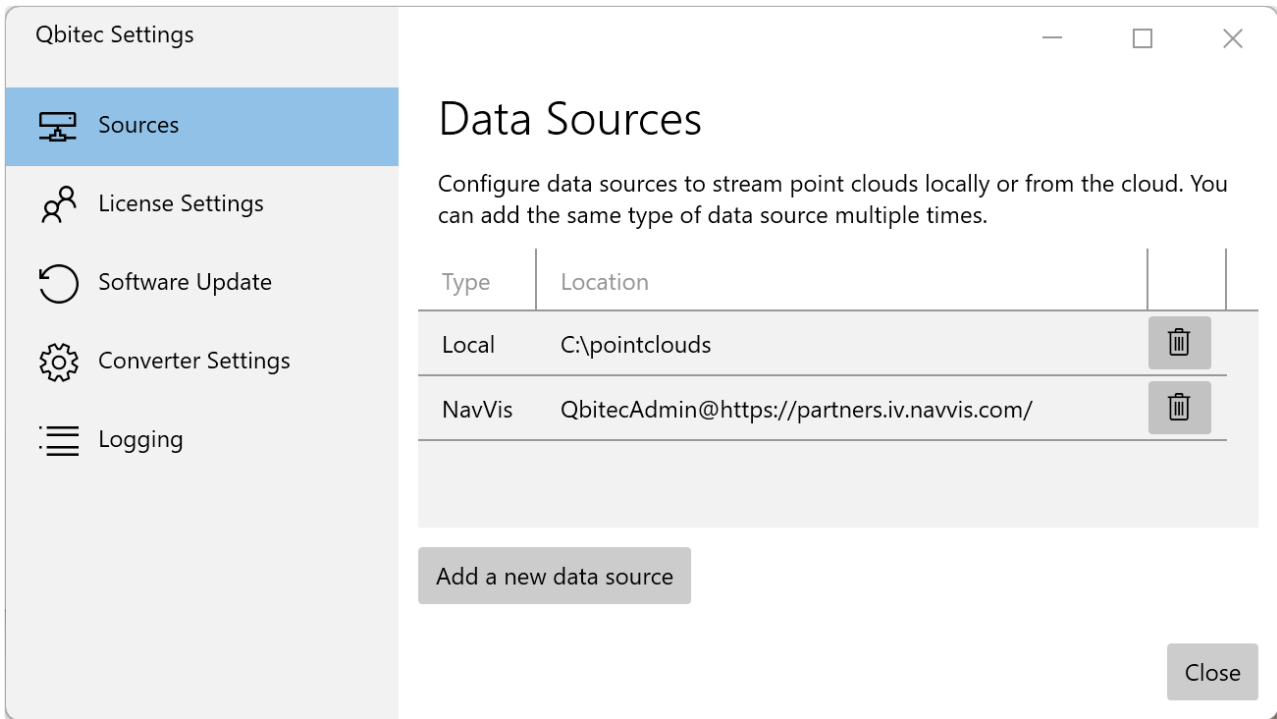
When clicking **Next**, the connection to the instance is tested. If required, your default web browser will open to handle the login process. Enter your credentials and click **Allow access**.

Since the authentication process is handled entirely through the browser, the Qbitech plugin never has access to the actual password. As a result, the same rules apply as when accessing the NavVis web interface in a browser—for example, regarding password storage via password managers or the use of SSO mechanisms.

Complete the creation of the NavVis source by clicking the **Finish** button.

Manage Existing Data Sources

To manage existing data sources open the **Qbitech Settings** dialog and select **Sources** on the left.



Under **Data Sources**, a list of all configured data sources is displayed, including their associated type and location.

A data source can be removed using the button with the trash can icon. This action only removes the reference to the respective data source; the underlying data itself is not deleted!

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