

Power BI Known Issues

This section describes known issues with AtScale's support for the Power BI SQL Server Analysis Services Connector.

Microsoft Limitations

Client-Side Modeling And Custom DAX Expressions

Microsoft Power BI does not support client-side modeling features or custom DAX expressions for Live Connections to Multi-Dimensional data sources such as Microsoft SQL Server Analysis Services and AtScale. To create report-scoped calculations, you must either connect to AtScale from Power BI in Tabular mode, or configure the AtScale engine to run in `tabular` mode. For more information, see [Configuring Connections](#).

Client-Side Multi-Datasource Modeling

Microsoft Power BI does not support multi-data source modeling with Live Connections to Multi-Dimensional data sources such as Microsoft SQL Server Analysis Services and AtScale. If you are interested in using client-side multi-datasource modeling with AtScale 2022.3.0 or later, ask your Account Executive about participating in AtScale's Tabular DAX Beta program.

Access To Model-Side Drill-Through Sets

Microsoft Power BI does not support access to model-side multi-dimensional Drill-through Sets, known as 'Actions' in SSAS, with Live Connections to Multi-Dimensional data sources such as Microsoft SQL Server Analysis Services and AtScale. There are no AtScale enhancements scheduled for this issue because it is a Microsoft Power BI limitation.

Decomposition Tree Visualization

With respect to connections, Microsoft classifies AtScale as an 'On-premise SQL Server Analysis Services' data source. Microsoft Power BI does not support the Decomposition Tree visualization from such sources. For details, see [Known Limitations](#).

Key Influencers Visualization

With respect to connections, Microsoft classifies AtScale as an 'On-premise SQL Server Analysis Services' data source. Microsoft Power BI does not support the Key Influencers visualization from such sources. For details, see [Considerations and Troubleshooting](#).



For more information regarding Power BI's SSAS MD data source connection capabilities and limitations, see [Connect to SSAS multidimensional models in Power BI Desktop](#).

Queries With Large Numbers Of Chained ISBLANK Constraints

When using the Legacy DAX dialect, Power BI generates queries with large numbers of non-user specified ISBLANK function calls, which can slow down query processing. If a model is affected by this issue, you can connect to it using either the SuperDAX MD or DAX Tabular dialects; for more information, see [Using SuperDAX MD](#) and [Configuring Connections](#).

Known AtScale Issues

Measure Filtering

AtScale supports Power BI filters on Measure. Consider the following:

- ▶ To use this feature, set the Engine setting `QUERY.FACTLESS.IGNOREINCIDENTALFILTER = FALSE` and restart the Engine.
- ▶ Power BI Measure filtering is NOT supported on AtScale Calculated Measures that use dimension modification functions, such as lag, parallelperiod, periodstodate, parent, siblings, children, descendants, ancestor, and so on.
- ▶ To allow dimensionally-modified measure filter queries, you can use the `query.language.dax.blockDimModifiedMeasureFilters` engine setting.

Scatter Chart Is Not Displayed When Using SuperDAX MD

When the connection from Power BI to AtScale is configured to use the SuperDAX MD dialect, trying to use a Scatter chart in Power BI leads to "Can't display the visual" error. (ATSCALE-9570)

Date Filtering

Trying to apply a filter based on a columns of type Date could lead to issues with the visualization. As a work-around, you can convert the type from Date to DateTime or Timestamp using a calculated column, and then adjust the attribute column binding. (ATSCALE-6703)