

Using Dimension Calculation Groups

When you need to create and maintain a large set of calculations you can do this with calculation groups. You can define calculations quickly, without needing to create a large number of calculated measures manually.

Introduction

Dimension Calculation Groups offer Data Architects a simplifying alternative to Calculated Measures by expressing boiler-plate calculations across multiple Measures. This feature defines calculations as dimensions and removes static references to individual Measures. At run-time, workbook authors evaluate the dimension over an arbitrary set of measures.

Using this feature the number of Calculated Measures in a model can be reduced by a factor equal to the number of measures in the model. For example, using calculated Measures to perform 3 boiler plate calculations, such as Year-Growth, Year-To-Date-Growth, 30-Day-Moving-Average, across 10 Measures requires the creation of 30 Measures. Alternatively, the same use-case may be addressed by defining only 3 calculations in a Time Dimension Calculation Group. The end-user specifies the set of Measures during query-execution time. The number of Measures that must be maintained is reduced from 30 to 3, a 10-fold reduction in complexity.

Prerequisites

- You are familiar with the basic concepts provided in [Introduction to Calculations](#).
- Make sure your user account is assigned to a role that allows editing the corresponding projects and dimensions. For more details, see [Creating and Editing Roles](#).

Accessing Calculation Groups

The calculation groups are viewed and managed in a dedicated panel, which you can access in the following steps:

1. Navigate to the project.
2. Open the cube in the Cube Designer Canvas.
3. Open the dimension editor for the selected dimension.
4. Open the *Calculation Groups* panel using the corresponding icon on the sidebar.



Similarly to other tool panels, here you can add new items, or locate existing items to modify or delete them.

Working with Calculation Groups

For details on how you can create and modify calculation groups, see the following documents:

- [Adding Calculation Groups](#)
- [Adding a Calculation](#)

- [Bulk Creation of Calculations](#)
- [Accessing Calculation Groups from BI Tools](#)
- [Known Issues and Limitations](#)

More information

- [Add Calculated Measures](#)
- [Configure Canvas Tool Panels](#)