Relativize

Block Group:	Data Services
Block Icon:	

Converts a full file path to a relative file path, and manages changes to the non-relativized part of the path.

This block is useful when you have a symbol associated with metrics, and you want to use one property to change which folder the points come from.

For information on using dataflow blocks, see Dataflow.

Video Tutorial: Introduction to Relativization

More video tutorials are here.

Input/Output Properties

These properties can take input and give output.

- service *(string)*
- path *(string)*
- partialPath *(boolean)*

service specifies the data service to relativize. Leave it blank to use the default data service.

path sets and returns the current parent directory containing the relative paths.

partialPath specifies how the relative paths are combined with **path**.

- **FALSE** (default)—**path** is a parent node; the full path is **path** + / + the relative path.
- **TRUE**—**path** is a prefix; the full path is **path** directly followed by the relative path. This allows part of a node name to be relativized.

Output Properties

These properties can give output. They cannot take input.

- serviceId *(string)*
- fullPath *(string)*
- output *(string)*

serviceId returns the ID of the data service used.

fullPath returns the full (unrelativized) base path of the relativizing service.

output is an instance of the DGLux5 relativizing service. Click the button to interact with the service. See Use Case.

Example

This is the relativization dialog.

Example	Description
	The paths in use in the parent object of the dataflow, before and after relativizing.

Use Case

A typical use case for the Relativize block is to create a widget that can be re-used for multiple data sources. To create this effect, watch Introduction to Relativization, or follow these steps:

1. Create a group that uses one or more metrics from the same parent location.
2. In the block properties panel, drag the parent location to the **path** field.
3. Next to the **output** property, click **Relativize**.

   A pop-up dialog opens, displaying all the paths in the specified directory that are currently associated with the component.
4. Within the pop-up dialog, select the paths you want to relativize, and click **Relativize**. The relativized paths are listed in the **Path** column. The parent directory, or the non-relativized part of the path, is listed in the **Service** column.
5. Close the pop-up dialog, and change the **path** property to a different location that includes metrics with the same names.

   If relativizing was successful, the data in the group changes.

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