


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

This property can take input and give output.

- path (*string*)

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

Output Properties

This property can give output. It cannot take input.

- output (*string*)

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																								
<table border="1"> <thead> <tr> <th>Object</th> <th>RelativeTo</th> <th>Service</th> <th>Path</th> </tr> </thead> <tbody> <tr> <td>Fan_East.PABindBlock.toPointActions</td> <td></td> <td>default</td> <td></td> </tr> <tr> <td>Fan_East.PABindBlock.toPointValue</td> <td></td> <td>default</td> <td></td> </tr> <tr> <td>Fan_East.bindIEnabled</td> <td></td> <td>default</td> <td>slot:/Training/VAV\$201_3/Fan_Status</td> </tr> <tr> <td>Text.bindItext</td> <td></td> <td>default</td> <td>slot:/Training/VAV\$201_3/Air_Flow</td> </tr> <tr> <td>Text1.bindItext</td> <td></td> <td>default</td> <td>slot:/Training/VAV\$201_3/Room_Temp</td> </tr> </tbody> </table> <p>Buttons: Select All, Select Absolute, Relativize, Unrelativize</p>	Object	RelativeTo	Service	Path	Fan_East.PABindBlock.toPointActions		default		Fan_East.PABindBlock.toPointValue		default		Fan_East.bindIEnabled		default	slot:/Training/VAV\$201_3/Fan_Status	Text.bindItext		default	slot:/Training/VAV\$201_3/Air_Flow	Text1.bindItext		default	slot:/Training/VAV\$201_3/Room_Temp	<p>The paths in use in the parent object of the dataflow, before and after relativizing.</p>
Object	RelativeTo	Service	Path																						
Fan_East.PABindBlock.toPointActions		default																							
Fan_East.PABindBlock.toPointValue		default																							
Fan_East.bindIEnabled		default	slot:/Training/VAV\$201_3/Fan_Status																						
Text.bindItext		default	slot:/Training/VAV\$201_3/Air_Flow																						
Text1.bindItext		default	slot:/Training/VAV\$201_3/Room_Temp																						
<table border="1"> <thead> <tr> <th>Object</th> <th>RelativeTo</th> <th>Service</th> <th>Path</th> </tr> </thead> <tbody> <tr> <td>Fan_East.PABindBlock.toPointActions</td> <td></td> <td>default</td> <td></td> </tr> <tr> <td>Fan_East.PABindBlock.toPointValue</td> <td></td> <td>default</td> <td></td> </tr> <tr> <td>Fan_East.bindIEnabled</td> <td>relativize</td> <td>default - slot:/Training/VAV\$201_3</td> <td>Fan_Status</td> </tr> <tr> <td>Text.bindItext</td> <td>relativize</td> <td>default - slot:/Training/VAV\$201_3</td> <td>Air_Flow</td> </tr> <tr> <td>Text1.bindItext</td> <td>relativize</td> <td>default - slot:/Training/VAV\$201_3</td> <td>Room_Temp</td> </tr> </tbody> </table> <p>Buttons: Select All, Select Absolute, Relativize, Unrelativize</p>	Object	RelativeTo	Service	Path	Fan_East.PABindBlock.toPointActions		default		Fan_East.PABindBlock.toPointValue		default		Fan_East.bindIEnabled	relativize	default - slot:/Training/VAV\$201_3	Fan_Status	Text.bindItext	relativize	default - slot:/Training/VAV\$201_3	Air_Flow	Text1.bindItext	relativize	default - slot:/Training/VAV\$201_3	Room_Temp	
Object	RelativeTo	Service	Path																						
Fan_East.PABindBlock.toPointActions		default																							
Fan_East.PABindBlock.toPointValue		default																							
Fan_East.bindIEnabled	relativize	default - slot:/Training/VAV\$201_3	Fan_Status																						
Text.bindItext	relativize	default - slot:/Training/VAV\$201_3	Air_Flow																						
Text1.bindItext	relativize	default - slot:/Training/VAV\$201_3	Room_Temp																						

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.

[Previous: Project Info](#)

[Next: Multi-Histories](#)

From:

<http://wiki.dglogik.com/> - **DGLogik**

Permanent link:

http://wiki.dglogik.com/dglux5_wiki:dataflow:dataflow_blocks_reference:data_services:relativize

Last update: **2019/07/17 19:17**

