


Relativize

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|--------------|---|
| 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

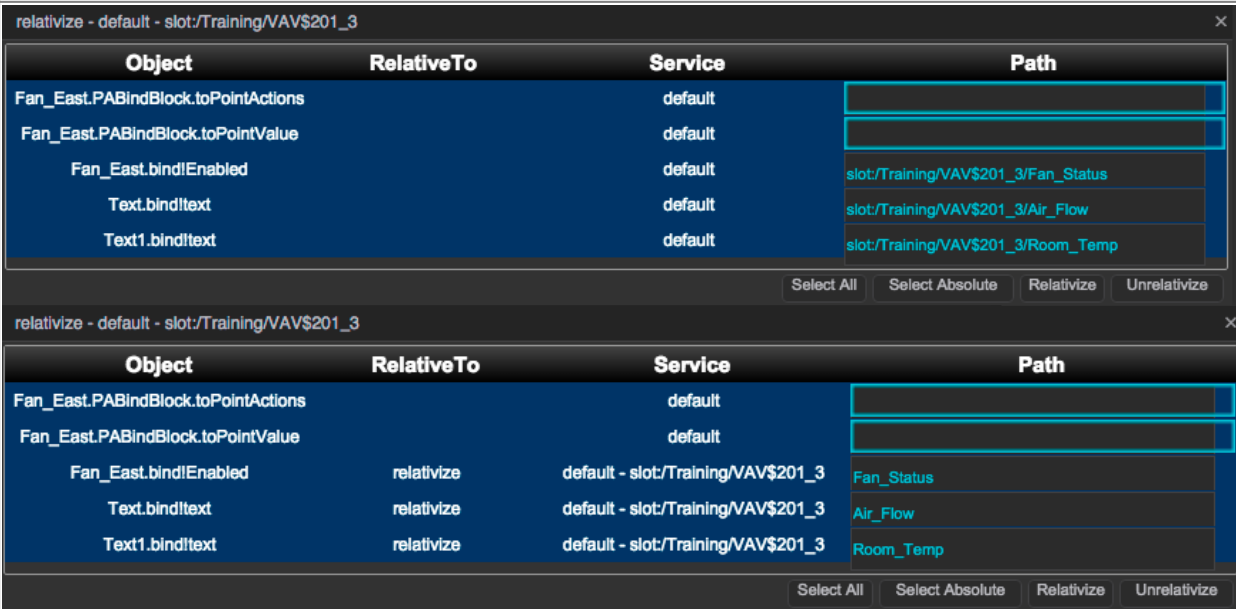
This property can give output. It cannot take input.

- 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|-------------|-------------------------------------|--------------------------------------|------|-------------------------------------|--|---------|--|-----------------------------------|--|---------|--|-----------------------|--|---------|--------------------------------------|----------------|--|---------|------------------------------------|-----------------|--|---------|-------------------------------------|--------|------------|---------|------|-------------------------------------|--|---------|--|-----------------------------------|--|---------|--|-----------------------|------------|-------------------------------------|------------|----------------|------------|-------------------------------------|----------|-----------------|------------|-------------------------------------|-----------|--|
|  <p>The image shows two screenshots of the 'relativize' dialog box for the directory 'slot:/Training/VAV\$201_3'. The top screenshot shows the state before relativization, with the 'Path' column containing absolute paths like 'slot:/Training/VAV\$201_3/Fan_Status'. The bottom screenshot shows the state after relativization, with the 'Path' column containing relative paths like 'Fan_Status' and the 'Service' column containing the relative path 'default - slot:/Training/VAV\$201_3'. The 'RelativeTo' column is empty in both, and the 'Object' column lists various UI components.</p> <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.bind!Enabled</td> <td></td> <td>default</td> <td>slot:/Training/VAV\$201_3/Fan_Status</td> </tr> <tr> <td>Text.bind!text</td> <td></td> <td>default</td> <td>slot:/Training/VAV\$201_3/Air_Flow</td> </tr> <tr> <td>Text1.bind!text</td> <td></td> <td>default</td> <td>slot:/Training/VAV\$201_3/Room_Temp</td> </tr> </tbody> </table> <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.bind!Enabled</td> <td>relativize</td> <td>default - slot:/Training/VAV\$201_3</td> <td>Fan_Status</td> </tr> <tr> <td>Text.bind!text</td> <td>relativize</td> <td>default - slot:/Training/VAV\$201_3</td> <td>Air_Flow</td> </tr> <tr> <td>Text1.bind!text</td> <td>relativize</td> <td>default - slot:/Training/VAV\$201_3</td> <td>Room_Temp</td> </tr> </tbody> </table> | Object | RelativeTo | Service | Path | Fan_East.PABindBlock.toPointActions | | default | | Fan_East.PABindBlock.toPointValue | | default | | Fan_East.bind!Enabled | | default | slot:/Training/VAV\$201_3/Fan_Status | Text.bind!text | | default | slot:/Training/VAV\$201_3/Air_Flow | Text1.bind!text | | default | slot:/Training/VAV\$201_3/Room_Temp | Object | RelativeTo | Service | Path | Fan_East.PABindBlock.toPointActions | | default | | Fan_East.PABindBlock.toPointValue | | default | | Fan_East.bind!Enabled | relativize | default - slot:/Training/VAV\$201_3 | Fan_Status | Text.bind!text | relativize | default - slot:/Training/VAV\$201_3 | Air_Flow | Text1.bind!text | relativize | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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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](#)

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