


# Get Children

Block Group:	Data Services
Block Icon:	

The Get Children Block returns a table that lists the children of a [data node](#).

For information on using dataflow blocks, see [Dataflow](#).



## Note

You can drag a node from the [Data panel](#) into the dataflow window to automatically create a Get Children block for that node.

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## Input/Output Property

The following property of the Get Children block can take input and give output.

- `path` (*string*)

**path** specifies the node for which to list children. You can drag the node's icon from the [Data panel](#) to this field.

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## Output Properties

The following properties of the Get Children block can give output but cannot take input.

- `output` (*table*)
- `error` (*string*)

**output** returns a table that lists the children of the specified node. The table includes the following fields:

- **name**—The name of the child node.
- **path**—The full path of the child node.
- **hasChildren**—TRUE if the child node has children, FALSE if the child node is terminal.
- **hasValue**—TRUE if the child node is associated with a value, FALSE otherwise.
- **hasHistory**—TRUE if the child node is associated with a value history, FALSE otherwise.
- **type**—The data type of the child node, if applicable.

- **icon**—The absolute file path to the icon that represents the child node.
- **unit**—The units of the child node, if applicable.
- **enum**—The names of the enum options, if applicable. For a boolean value, this column holds the strings associated with each value, such as "On" and "Off".

**error** returns the error message, if any.

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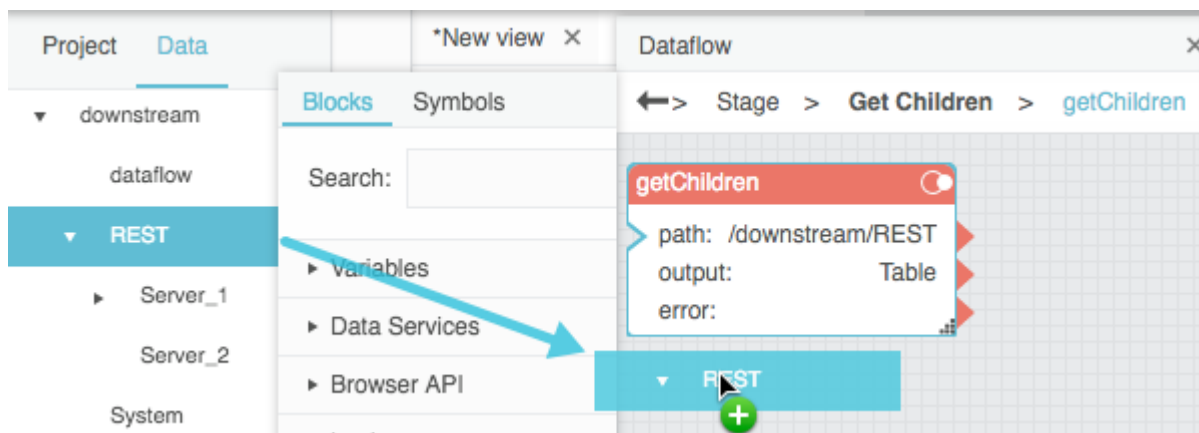
## About the Output Table

- The output table of the Get Children block is only one level deep. Therefore, when a node that has children is listed, the node is represented with a name, not a table. You can use multiple Get Children blocks to retrieve deeper lists.

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## Example

The following image demonstrates how to create a Get Children block by dragging a node to the dataflow window.



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[Previous: List Files](#)

[Next: Get Node](#)

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