


# List Node

Block Group:	Data Services
Block Icon:	

The List Node block returns metadata about a [node](#) and its children. This block is intended for use in DGLux5 with [DSA](#).

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

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## Input/Output Properties

These properties can take input and give output.

- `path` (*string*)
- `mode` (*enum or string*)
- `resolveActions` (*boolean*)

**path** specifies the absolute location of the node to get metadata for. Drag the relevant node from the [Data panel](#) to this field.

**mode** determines which children of this node are listed. The value of the **mode** property can be one of the following:

- **all**—All children are listed.
- **points**—Only nodes representing data points are listed.
- **actions**—Only nodes representing actions are listed.
- **nodes**—Only nodes that are *not* points or actions are listed.

**resolveActions** determines whether to create an output table describing available actions for this node's children. By default, this property is disabled.

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## Output Properties

These properties of the List Node block can give output but cannot take input.

- `name` (*string*)
- `children` (*table*)
- `metadata` (*table*)
- `actions` (*table*)
- `error` (*string*)

**name** returns the name of the node.

**children** returns a table that lists the children of the node.

**metadata** returns a table that lists metadata about the node.

**actions** returns a table describing the actions that can be taken on the node, such as setting its value. Each row of this table contains a nested table that lists the parameters of the action. To view a nested table, see [How do I view the data in nested tables?](#)

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

## Example

The following image shows, clockwise from top left:

- A List Node block
- The **metadata** table for this node
- The **children** table for this node

The screenshot shows the Dataflow interface with a List Node block selected. The block's configuration is displayed in a panel on the left, and two tables are shown on the right.

**listNode Configuration:**

```

service:
path: /downstream/System
mode: all
resolveActions:
name: System
profile: dsa/link
children: Table
metadata: Table
actions:
error:
  
```

**Metadata Table:**

row	name	value
0	\$\$dsId	System-UP-R-e80JYa
1	\$is	dsa/link

**Children Table:**

row	name	path	base	profile	type	invokable	writable
1	CPU Usage	/downstr...	/downstr...	node	number		
2	Diagnostics Mode	/downstr...	/downstr...	diagnosticsMode	bool[disabled...		write
3	Disk Usage	/downstr...	/downstr...	node	number		
4	Execute Command	/downstr...		executeComma...			write

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