Property Hub

Block Group:	Logic

The Property Hub block enables you to handle related properties as a group. To use a property hub in a dataflow, add the block and, using the + key, add the required properties. The Property Hub block supports properties that are specified in JSON format.

For information on using dataflow blocks, see Dataflow.

Input/Output Properties

The following properties of the Property Hub block can take input and give output.

- invoke *(trigger)*
- autoRun *(bool)*
- syncPropertyList *(trigger)*
- hubMode *(enum)*
- hubInstance
- jsonInput *(string)*
- outputAll *(bool)*
- custom properties

** invoke ** triggers the block. In **main** mode it recomputes **jsonOutput** and **hubInstance**; in **readWrite** or **writeOnly** mode it writes all of the custom property values to the main hub.

** autoRun ** specifies whether the block runs automatically each time one of its custom properties changes. The Property Hub block from the palette has **autoRun** set to TRUE. This property is not shown on the block.

** syncPropertyList ** copies the list of custom properties from the main hub that is bound to **hubInstance**. This property is not shown on the block.

** hubMode ** controls the block behavior. The default is **main**. (Older dataflows that used "master" and "slave" are converted to **main** and **readWrite**.)

- **main** – This block holds the property values. It outputs itself through **hubInstance**; bind that output to the **hubInstance** of other Property Hub or Property Hub Modifier blocks.
- **readWrite** – Reads values from the main hub bound to **hubInstance**, and writes changed values back to it.
- **readOnly** – Reads values from the main hub, but does not write changes back.
- **writeOnly** – Writes changed values to the main hub, but is not updated by it.

** hubInstance ** In **main** mode, outputs a reference to this hub. In the other modes, bind it to the

hubInstance of the main hub.

** jsonInput ** In **main** mode, sets the custom properties from a JSON object (or a JSON string). Only keys that match existing custom properties are used. This property is not shown on the block.

** outputAll** *(bool)* specifies whether complex objects (such as tables) are included in **jsonOutput**. For efficiency, such objects are not included by default.

custom properties are the properties that you add with the + button. They hold the values shared through the hub.

Output Properties

The following property of the Property Hub block can give output but cannot take input.

- jsonOutput *(string)*

** jsonOutput ** returns the custom property values as a JSON string. In **readWrite** and **readOnly** mode it returns the JSON of the main hub. This property is not shown on the block.

Examples

[TBD]

Previous: Router

Next: Property Hub Modifier

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Last update: **2026/10/22 13:24**