

Trace

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|--------------|---|
| Block Group: | Logic |
| Icon: |  |

Monitors changes to specified properties and logs changes in the browser's JavaScript console. This block is useful for debugging dataflow. It logs changes using the following syntax:

```
Trace: <timestamp> : <traceLabel> : <property path> : <msg> : <value>
```

The `traceLabel` and `msg` portions appear only if those properties are defined.

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

Input/Output Properties

These properties can take input and give output.

- `tracing` (*boolean*)
- `msg` (*string*)
- `input n`

tracing specifies whether the changes are recorded. In addition to TRUE and FALSE, you can also set a value of Auto.

Tips: Setting the tracing Value to Auto



- The default value is Auto when you add a new Trace block.
- You can also make the value Auto by mousing over the property, clicking the blue dot, and selecting **Reset**.
- An Auto value looks like a False value, with two differences: if the value is Auto, then when you hover over the property, the blue dot is not filled in, and when you click the blue dot, there is no **Reset** option.

- **TRUE**: Changes are logged in the console.
- **FALSE**: Changes are not logged.
- **Auto**: Changes are logged only if the Advanced property **traceLabel** is not null for the Stage.

msg specifies a string to be included in the developer console when values for this block are updated.

input n specifies the path to one of the properties that this block monitors.

Model

This is a basic use of the block.

| Dataflow Model | Description |
|---|--|
|  <pre> graph LR stopwatch[stopwatch] --> trace[trace] stopwatch --> msg[msg] msg --> trace trace --> log[Log] </pre> | <p>Each log message in the console includes the value of msg ("AAAA") and also the Stage's value of traceLabel ("BBBB").</p> |

Developer Tools - http://create.dglux.com/dev/index.html

Elements Network Sources Timeline Profiles Console > ✖ 12 ⚠ 1 ▶ | ⚙️ □

<top frame> ▾ Preserve log

```

Trace: 2015-09-21T15:37:59.213 :BBBBB : Text.stopwatch.output : AAAA : 1 main.dart.js:15876
Trace: 2015-09-21T15:37:59.712 :BBBBB : Text.stopwatch.output : AAAA : 2 main.dart.js:15876
Trace: 2015-09-21T15:38:00.216 :BBBBB : Text.stopwatch.output : AAAA : 3 main.dart.js:15876
Trace: 2015-09-21T15:38:00.716 :BBBBB : Text.stopwatch.output : AAAA : 4 main.dart.js:15876
Trace: 2015-09-21T15:38:01.217 :BBBBB : Text.stopwatch.output : AAAA : 5 main.dart.js:15876
Trace: 2015-09-21T15:38:01.719 :BBBBB : Text.stopwatch.output : AAAA : 6 main.dart.js:15876
Trace: 2015-09-21T15:38:02.224 :BBBBB : Text.stopwatch.output : AAAA : 7 main.dart.js:15876
Trace: 2015-09-21T15:38:02.728 :BBBBB : Text.stopwatch.output : AAAA : 8 main.dart.js:15876
Trace: 2015-09-21T15:38:03.232 :BBBBB : Text.stopwatch.output : AAAA : 9 main.dart.js:15876
Trace: 2015-09-21T15:38:03.735 :BBBBB : Text.stopwatch.output : AAAA : 10 main.dart.js:15876
Trace: 2015-09-21T15:38:04.235 :BBBBB : Text.stopwatch.output : AAAA : 11 main.dart.js:15876
Trace: 2015-09-21T15:38:04.738 :BBBBB : Text.stopwatch.output : AAAA : 12 main.dart.js:15876
Trace: 2015-09-21T15:38:05.241 :BBBBB : Text.stopwatch.output : AAAA : 13 main.dart.js:15876
Trace: 2015-09-21T15:38:05.742 :BBBBB : Text.stopwatch.output : AAAA : 14 main.dart.js:15876
Trace: 2015-09-21T15:38:06.243 :BBBBB : Text.stopwatch.output : AAAA : 15 main.dart.js:15876
Trace: 2015-09-21T15:38:06.746 :BBBBB : Text.stopwatch.output : AAAA : 16 main.dart.js:15876
Trace: 2015-09-21T15:38:07.250 :BBBBB : Text.stopwatch.output : AAAA : 17 main.dart.js:15876
Trace: 2015-09-21T15:38:07.752 :BBBBB : Text.stopwatch.output : AAAA : 18 main.dart.js:15876
Trace: 2015-09-21T15:38:08.252 :BBBBB : Text.stopwatch.output : AAAA : 19 main.dart.js:15876
Trace: 2015-09-21T15:38:08.753 :BBBBB : Text.stopwatch.output : AAAA : 20 main.dart.js:15876
  
```

Previous: Script

Next: Stop Watch

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