


Stop Watch

Block Group:	Logic
Icon:	

The Stop Watch block counts up when enabled. An event is fired when the block loops or stops.

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

Input/Output Properties

The following properties of the Stop Watch block can take input and give output.

- **enabled** (*boolean*)
- **interval** (*number*)
- **step** (*number*)
- **modulo** (*number*)
- **loop** (*boolean*)
- **reset** (*trigger*)
- **onLoop** (*event*)

enabled sets or returns whether the Stop Watch block is currently counting up.

interval specifies the duration, in seconds, between updates to the **output** property. For example, if **interval** is 0.5, the **output** property counts up every 0.5 seconds.

step specifies the number that is added to the output with each update. For example, if **step** is 1, then each time the stopwatch counts up, its output increases by 1.

modulo Specifies the value that signals the stopwatch to loop or stop. If **loop** is TRUE, then the stopwatch will loop when it reaches the final step before **modulo**, and **output** is always less than **modulo**. If **loop** is FALSE, then the stopwatch will stop when it reaches **modulo** or the final step before **modulo**, and **output** is always equal to or less than **modulo**.

loop determines whether the Stop Watch block will start again when it nears **modulo**.

- **TRUE**—The stopwatch starts again after its output reaches the final step before reaching **modulo**. If the difference between the final step and **modulo** equals the **step** value, the stopwatch restarts at 0. If the difference is less than the **step** value, the stopwatch restarts with a value of that difference.
- **FALSE**—The stopwatch stops counting when it reaches the final step where **output** is less than or equal to **modulo**.

reset causes the stopwatch to restart at 0.

onLoop fires when the stopwatch either loops or stops.

Output Property

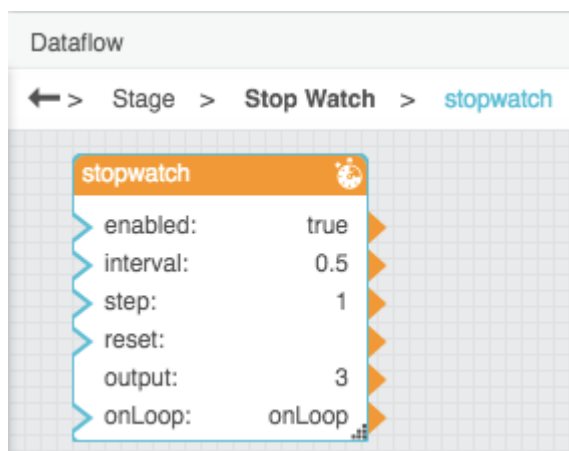
The following property of the Stop Watch block can give output but cannot take input.

- output (*number*)

output returns the current stopwatch value.

Example

The following image demonstrates a Stop Watch block. In this example, the block counts up by 1 every 0.5 seconds.



Use Case

This thread in the DGLogik Community Forum shows a use cases for the block:

- [Respond to a duration of user inactivity](#)
-

[Previous: Trace](#)

[Next: Delay](#)

From:
<https://wiki.dglogik.com/> - **DGLogik**

Permanent link:
https://wiki.dglogik.com/dglux5_wiki:dataflow:dataflow_blocks_reference:logic:stop_watch

Last update: **2021/09/20 15:03**

