Web Button | 1. Button Scripts

Connect the BBC micro:bit to MicroBlocks.

This tutorial shows how turn a micro:bit into a web button to control other devices connected to the Mozilla Web Things gateway.

Add Libraries: Libraries **+**   **Web Thing**   **Button Events**

Add these scripts then press, double-press, or long-press button A:


```
when button A pressed
broadcast pressed
display
wait 500 millisecs
clear display
```

```
when button A double pressed
broadcast double-pressed
display
wait 500 millisecs
clear display
```

```
when button A long pressed
broadcast long-pressed
display
wait 500 millisecs
clear display
```
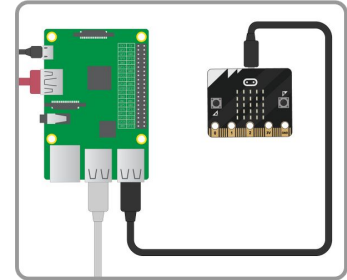
```
when started
define thing Web Button capability PushButton
add boolean property title buttonPressed variable buttonPressed @Type
PushedProperty
register event pressed type PressedEvent
register event long-pressed type LongPressedEvent
register event double-pressed type DoublePressedEvent
forever
  set buttonPressed to button A
  wait 50 millisecs
```
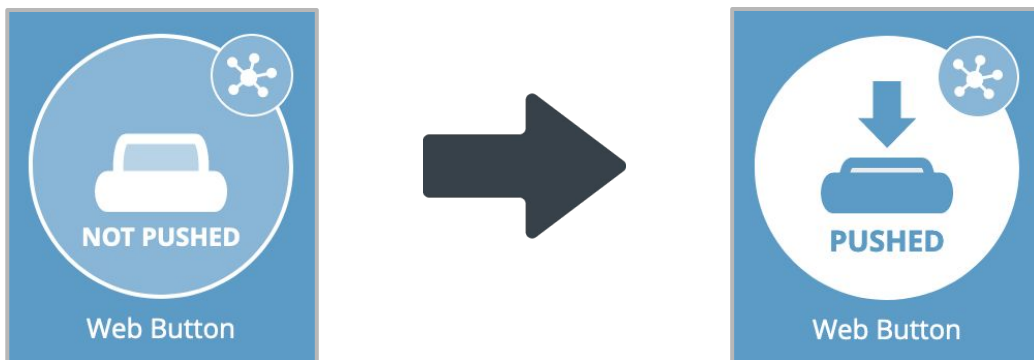
http://microblocks.fun

After programming and testing the buttons on your micro:bit, connect the micro:bit to the Web Thing gateway (see *Web Light* guide for setup instructions).
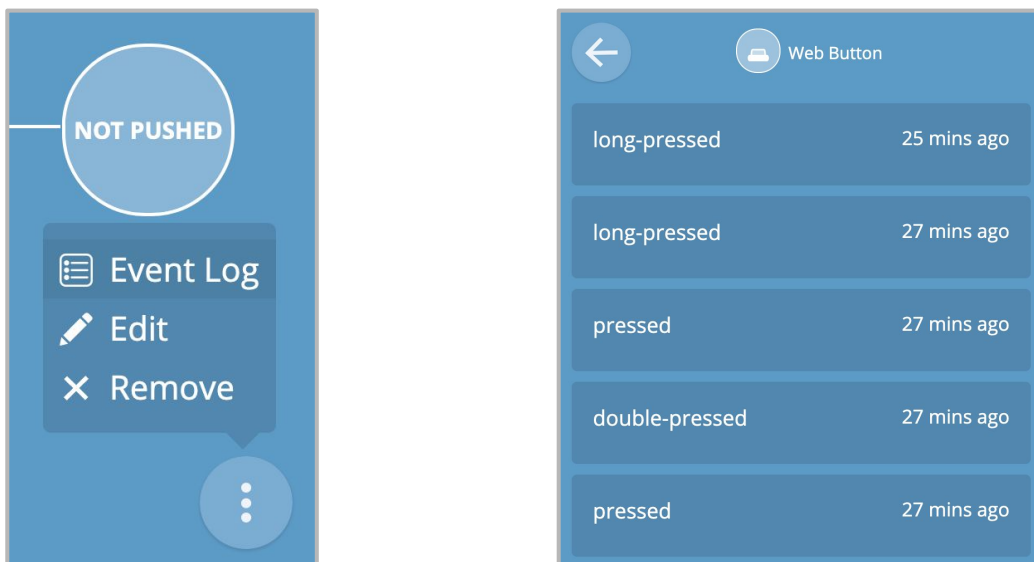
Open the Mozilla WebThing gateway in a web browser (http://gateway.local) and add your Web Button.

The icon on the Things page changes when the A button is held down.

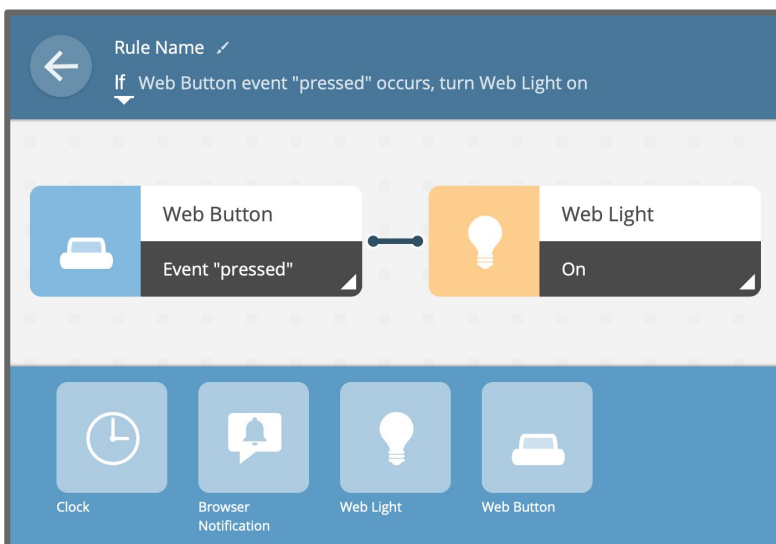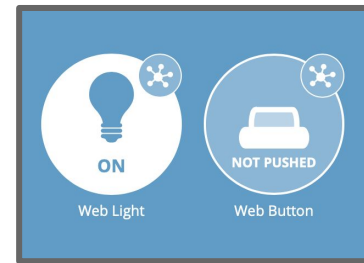Open the Thing and select Event Log to see event history:
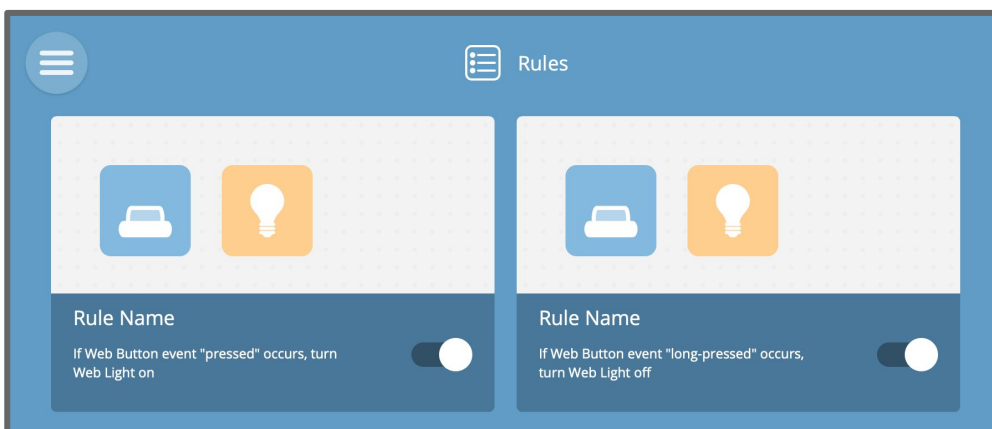
http://microblocks.fun

First, make sure both Things are plugged into the Mozilla WebThing gateway and have been added to the Things page.

Then, select Rules from the gateway menu.

Drag the icons for the Button and Light into the rule and choose properties to turn the Light on when the Button reports "pressed" event:

Create a second rule to turn the light off. The Rules page shows two rules:

Pressing the button quickly will make the light go on. Pressing and holding will make it go off.