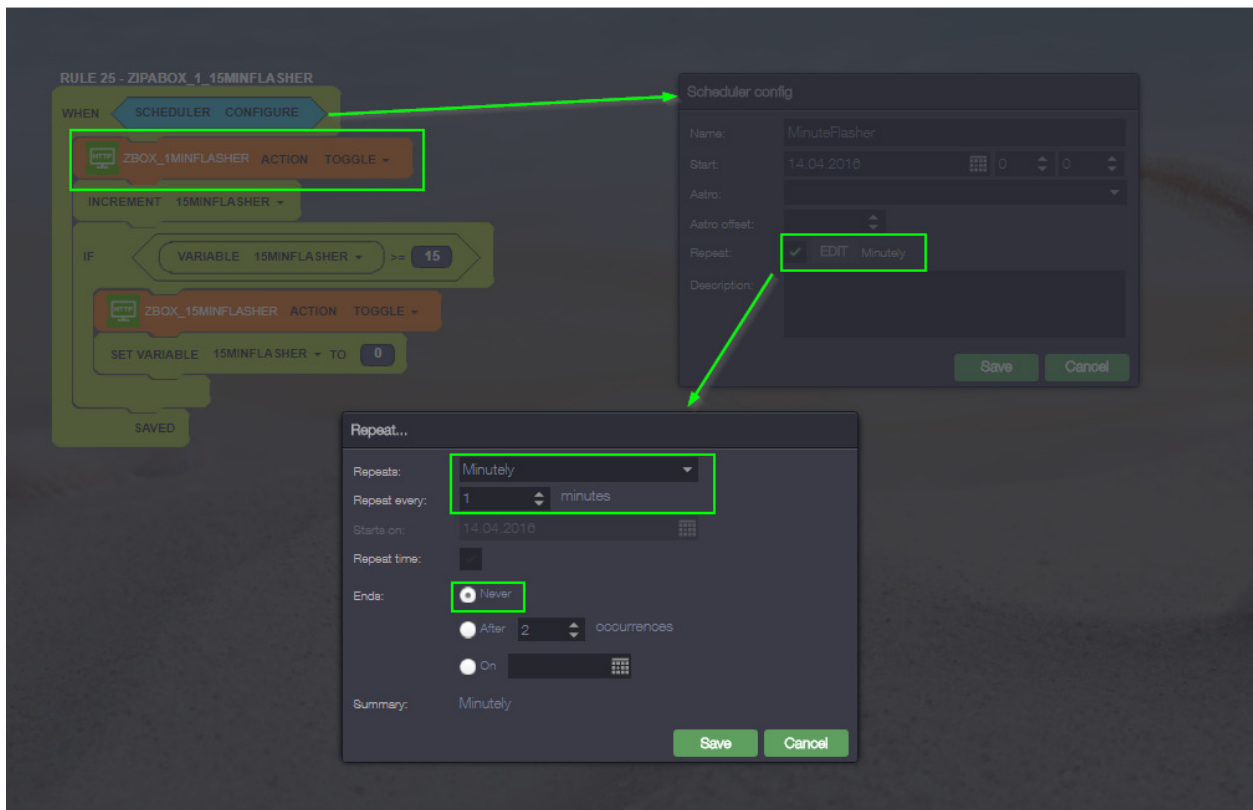


Reboot Detector

On Zipato system variables get reset every time the controller reboots or powers OFF/ON, so, we can use variables to detect if the system has been rebooted and take appropriate actions, this however could take several steps (“rules”) according our needs.

First step is creating a “Reboot Detector”, this is a two-step process. First, we will need a repetitive scheduler which will trigger the “variable check”, I recommend a short repeat interval (1 min, 5 mins, etc.) In my case I created a minutely scheduler that toggles a virtual switch (can be achieved with a virtual sensor or meter too) every minute (also using a variable I have a 15-min scheduler, this can be achieved also with a separate 15 min scheduler rule), I use this switch for many purposes in my processor, see below;



Then we need to create a VARIABLE that will get set with any value different than 0 when the rule is run the first time, this variable should be used only for this purpose, this so we know that the controller has rebooted if it goes back to 0, this rule need to be triggered by our previously created Virtual Switch. This rule will be triggered, in this case every minute, and if the variable’s value is less than 1 then it will do whatever we want and at the end of the rule will set this variable’s value to 1, in our case value is called “SFS”, see below;



This reboot detector can be achieved also on one single rule, by replacing the second rule's virtual switch for the minutely scheduler, I like this two-step approach so I only have one minutely scheduler in my controller and use it throughout the required rules by referring to the virtual switch.