Introduction of Status

What is Status in CFET ?

CFET is designed to be a control system based on the concept of 'Thing'. `CFET abstractly encapsulates all objects to be controlled into things.` And Status is a property of Things that cannot be changed and can only be read. It represent the current states of a thing that the thing wants others to know.

***For instance**, if the air conditioner is the object you want to control, so the air conditioner is the thing in CFET, and the status is the current state of the air conditioner, such as on or off.*

Usage of Status

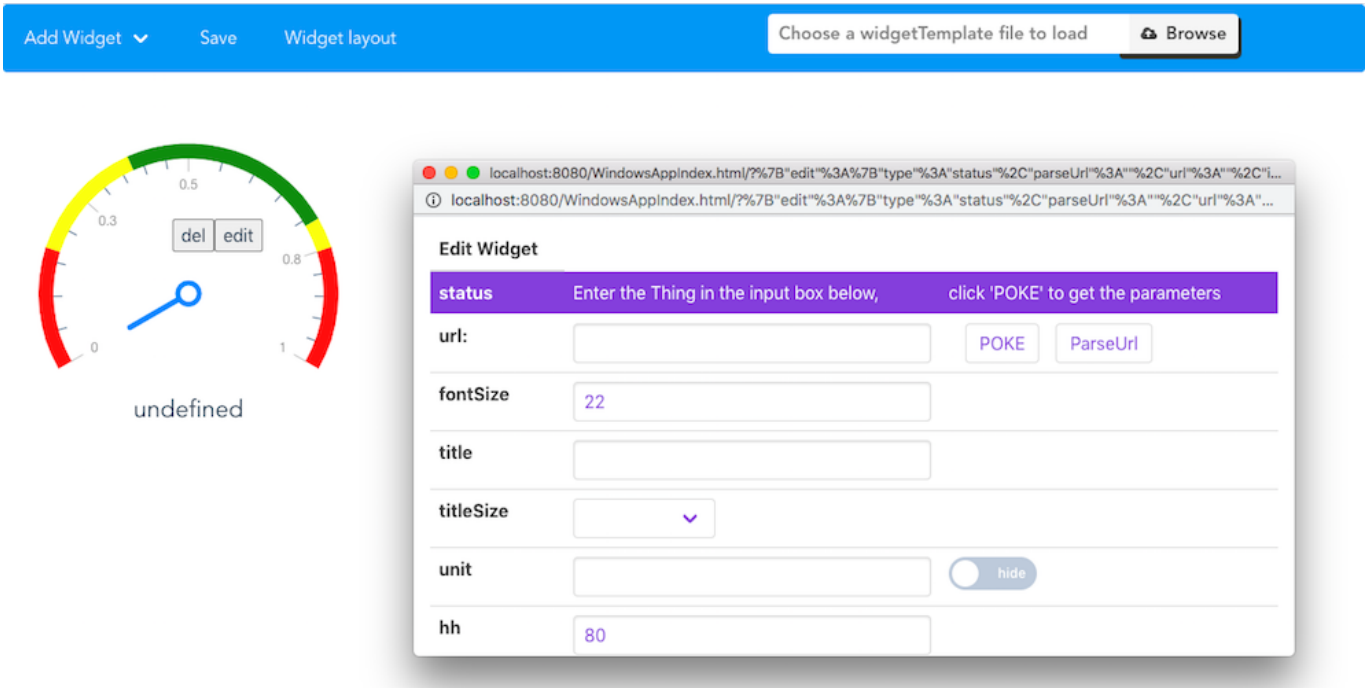
> There are many widgets used to display status, namely Status, Label, state and boolState.

Status

Status is a dashboard, Suitable for displaying numbers.

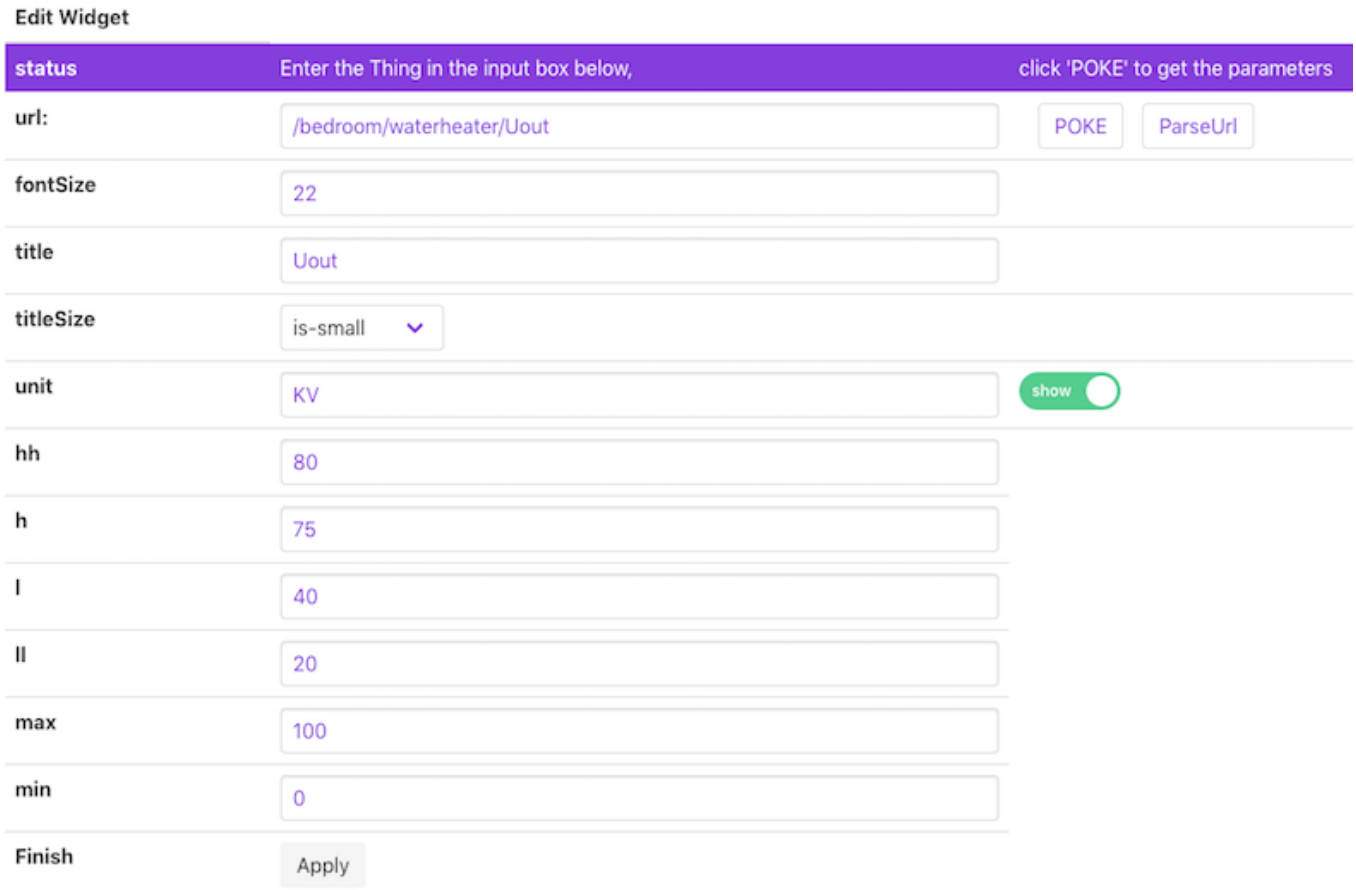
At this time, the dashboard is still empty, App Developer can click the right mouse button on the dashboard to wake up the menu bar 

, select the edit button, the edit window will be called up to set the dashboard.



For example: The backend provides the things of some electrical appliances in the home and the corresponding URLs of the resources.

You want to read the voltage value of the water heater in the bedroom.

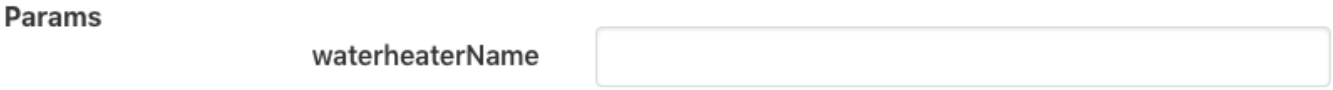


You only need to enter the url like this, and then configure the corresponding information. It is worth noting that l, ll, h, hh represent the scale division of the dashboard, and then click apply button.

Notes: The red font is just a comment, not shown in the chart

> So what if you only know the device and don't know the attributes of the device?

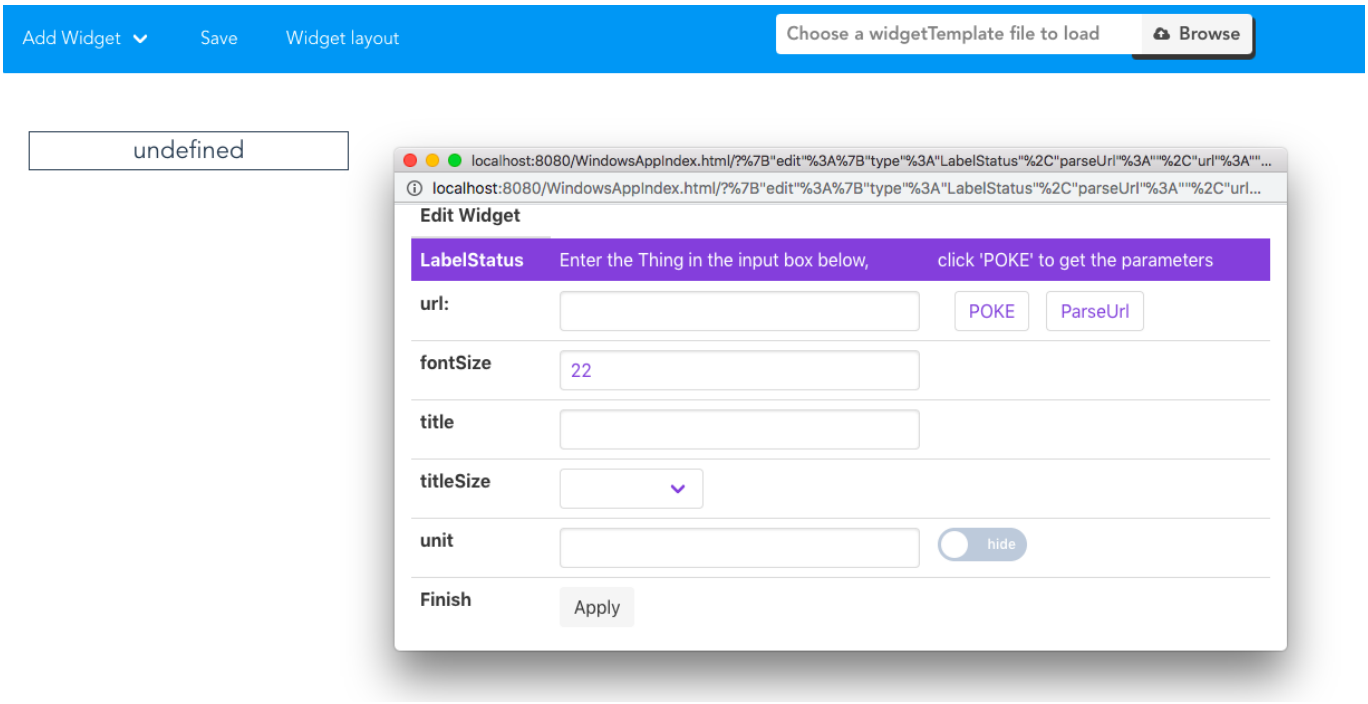
For example, there are two water heaters in the room, namely A and B. You need to select a water heater to read, but you may not even know how many water heaters there are in this room. At this time, you just need to enter /bedroom/waterheater/, and then click the POKE button on the right, and the corresponding params will be parsed at the bottom of the page like this:



Then enter A or B and click Apply to read the water heater

LabelStaus

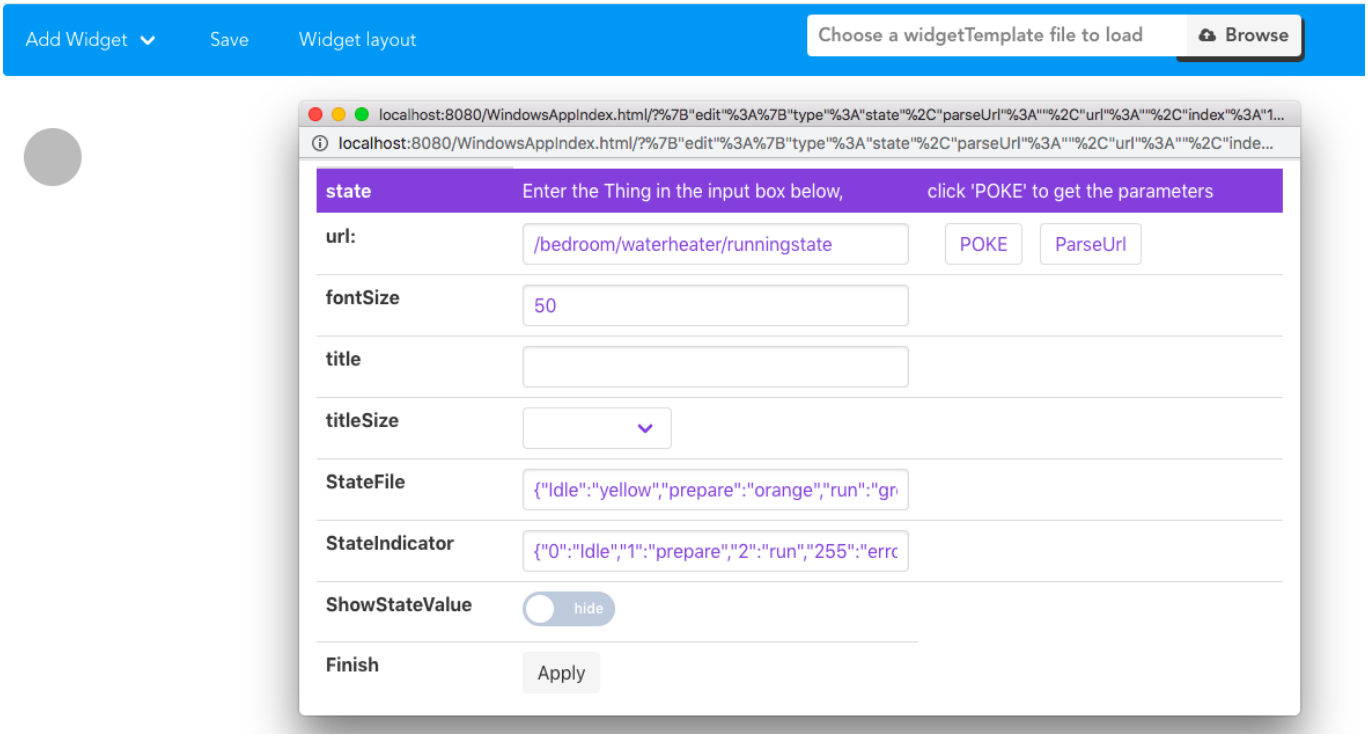
`The basic logic of label and dashboard is the same`, they both display the state of things, but the dashboard can only display numbers, label can display various types of information.



State

`State is also display the state of things`, but state is only used to represent the state and does not display data.

For example, you want to know the running status of a water heater.



The backend returns the numbers 0, 1, 2 and 255.

1. First write the meaning corresponding to the number in StateIndicator
2. Then write the color corresponding to the meaning in StateFile
3. click Apply to run

You can select whether to display meaningful text in the Widget through the ShowStatValue switch

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BoolState

`The basic logic of State and BoolState is the same`

The only difference is that boolState does not require App Developer to configure its own colors, and only supports bool values, true and 1 correspond to green, and false and 0 correspond to red. It also called traffic light.
