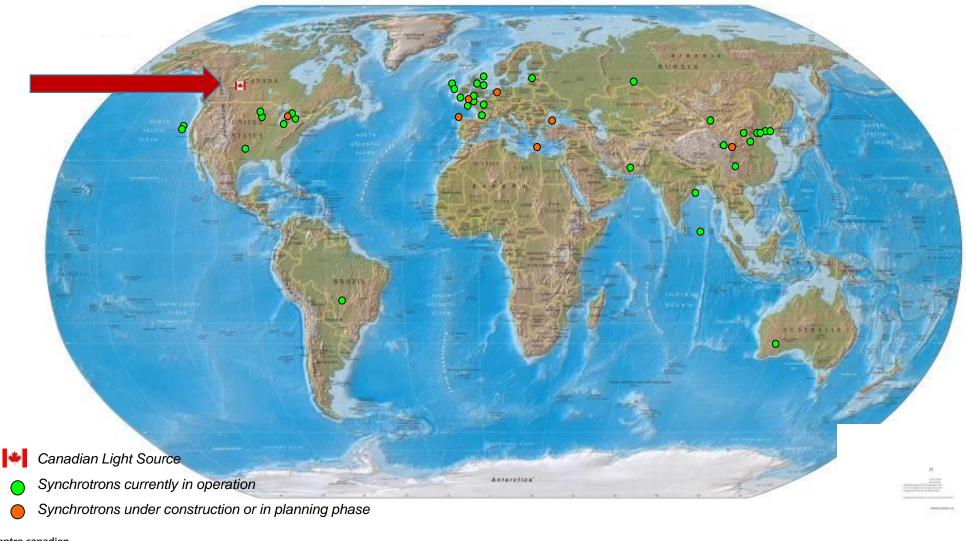
# PV's and Google Home

#### Propogating PV's with Free Web Tools to a Smart Home Device

Gillian Black Canadian Light Source



# Synchrotrons Around the World







#### Google Home

#### Canadian Light Source



tsource.ca

### Problem #1: Get the Information Out of the Building





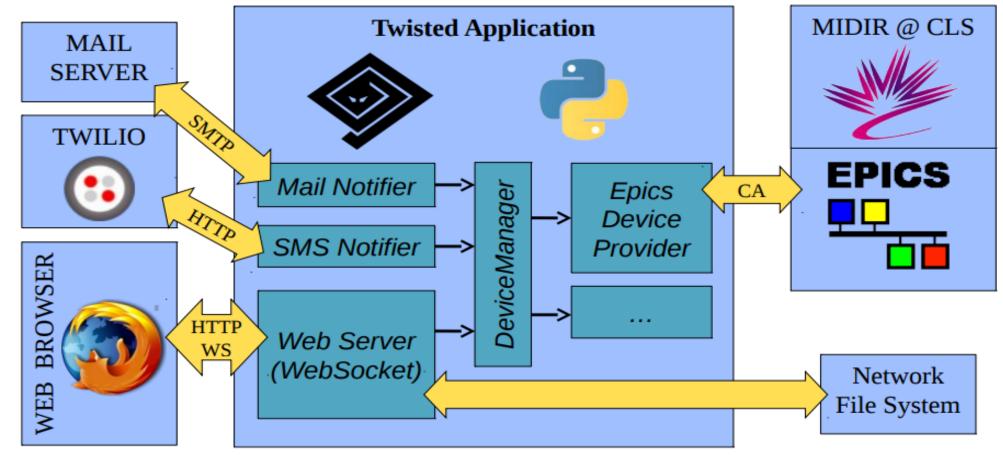
## **Control System Web**

#### Send notifications based on Process Variables





### Control System Web Architecture



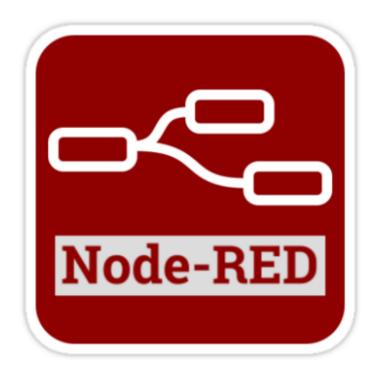


#### Config File for Control System Web

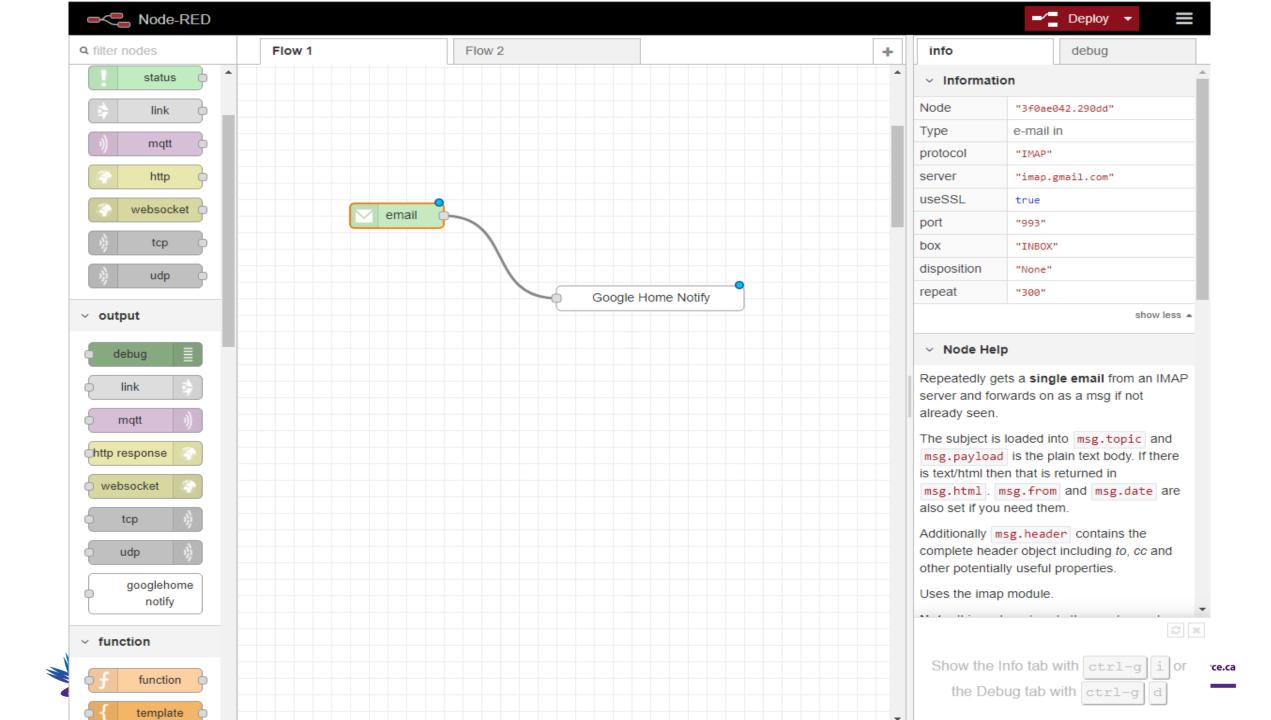
•
EMAIL_BRANT:brant.billinghurst@lightsource.ca
#
# Far IR
#
<pre>[ epics:PCT1402-01:mA:fbk?threshold=100&amp;name=PCT1402-01:mA:fbk&amp;units=Beam+Change mail: @(EMAIL_BRANT)s</pre>
~
~

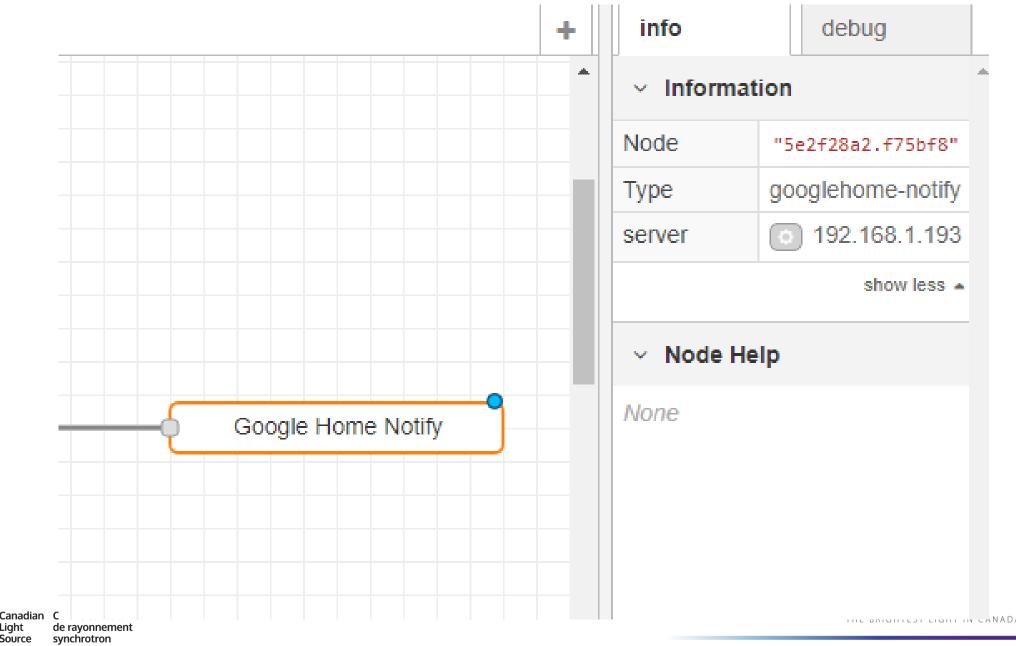


# Problem #2: Get Google Home to Speak the Contents of the Email

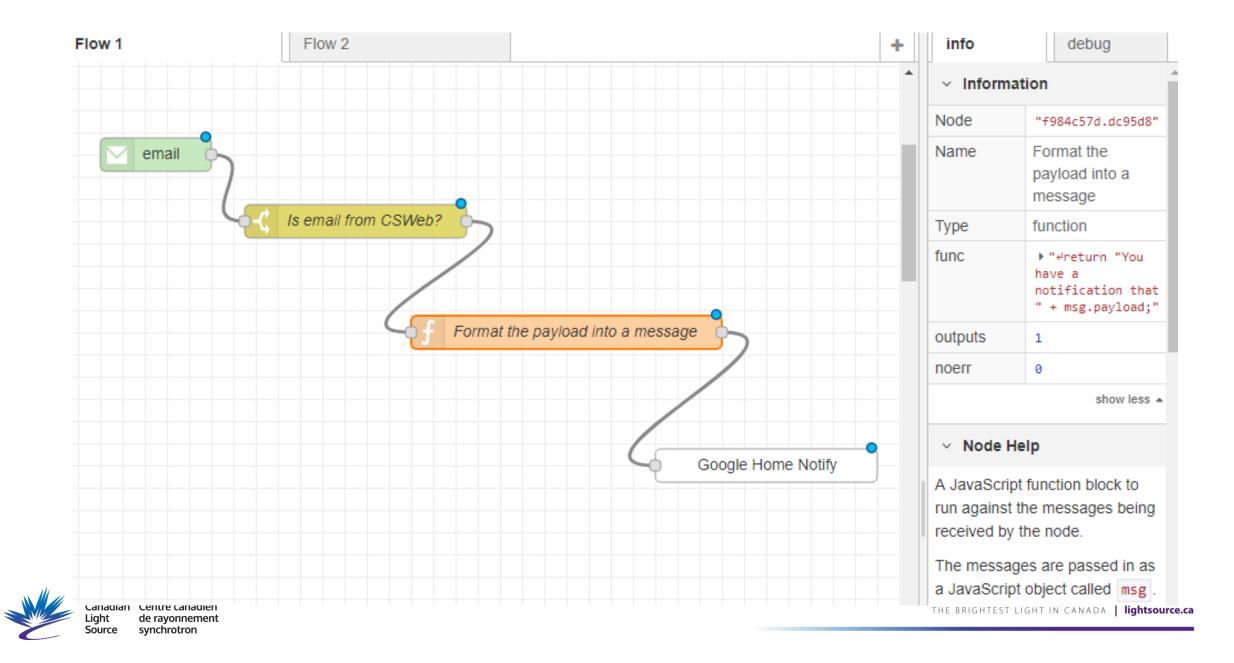


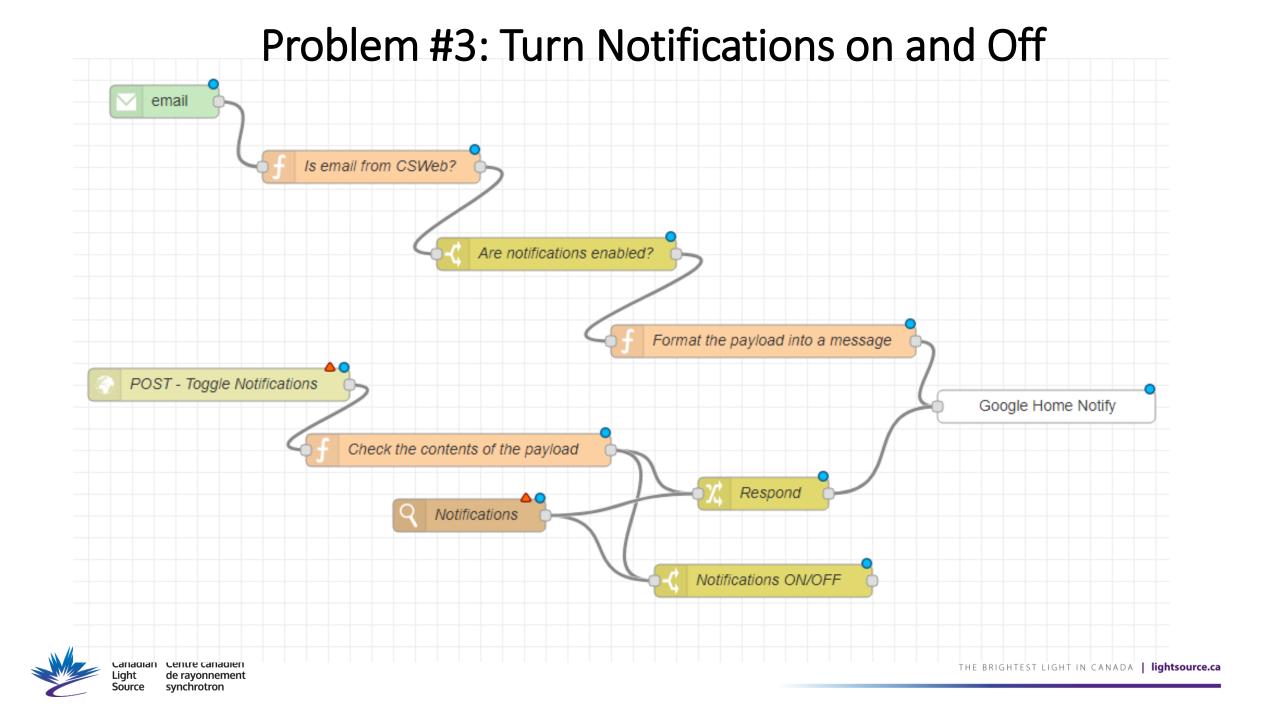




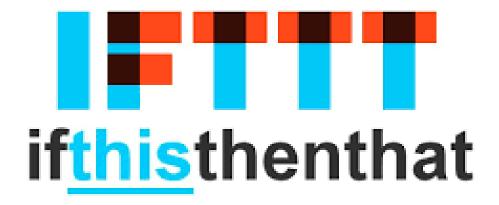


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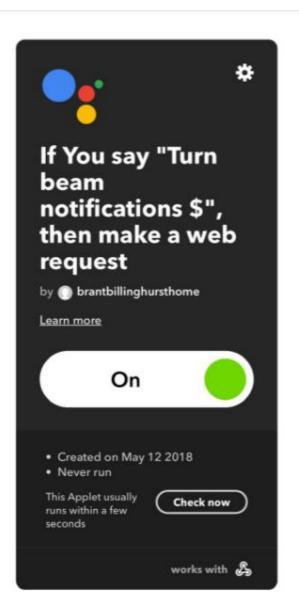


### Problem #4: Pass the POST Request to Node-RED



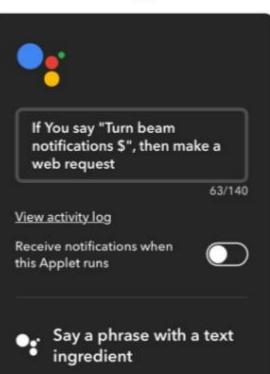


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#### Configure



This trigger fires when you say "Ok Google" to the Google Assistant followed by a phrase like "Post a tweet saying 'New high score." \*\*Use the \$ symbol to specify where you'll say the text ingredient

What do you want to say?

Turn beam notications \$

Enter a \$ where you'll say the text ingredient

What's another way to say it? (optional)

#### 🔏 Make a web request

This action will make a web request to a publicly accessible URL. NOTE: Requests may be rate limited.

#### URL

http://70.64.56.45/googleho me/

Surround any text with "<<>>" to escape the content

Add ingredient

 $\checkmark$ 

 $\checkmark$ 

#### Method

POST

The method of the request e.g. GET, POST, DELETE

Content Type (optional)

application/json

Optional

Body (optional)

{ "ghomenotification": TextField
"}

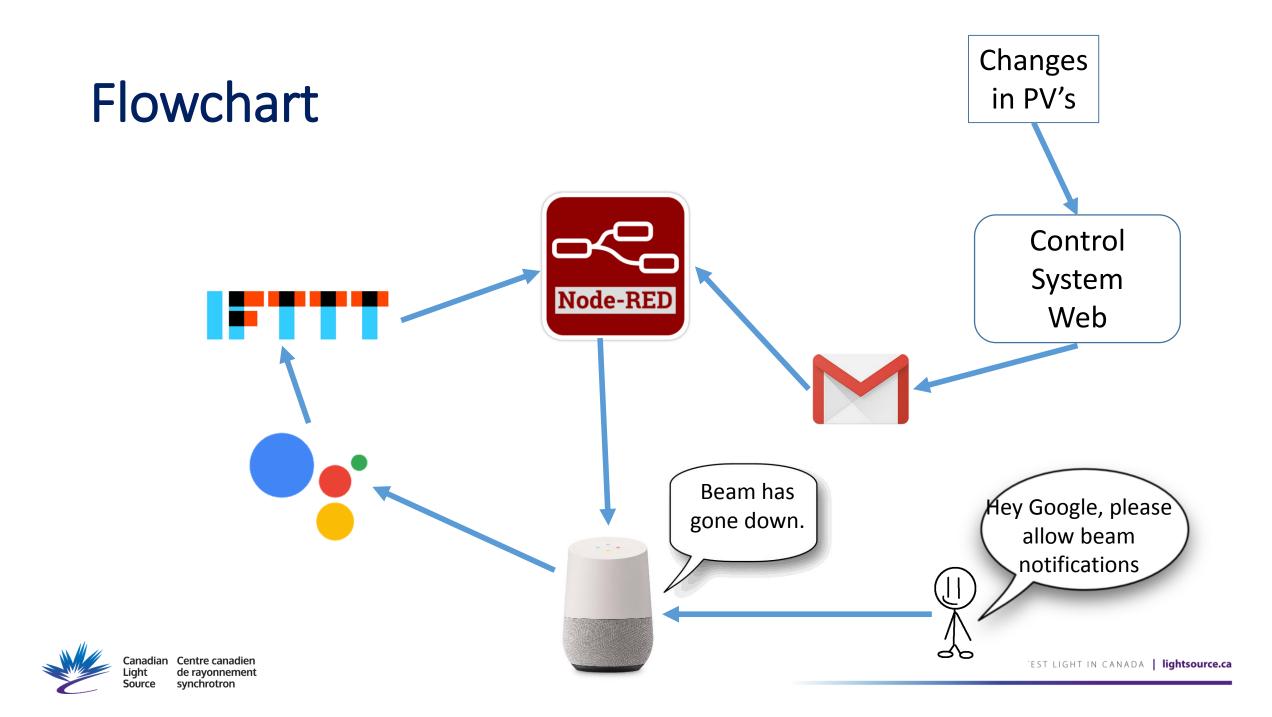
Surround any text with "<<>>" to escape the content

Add ingredient

Save



nadian ht Irce



# Thank you!





