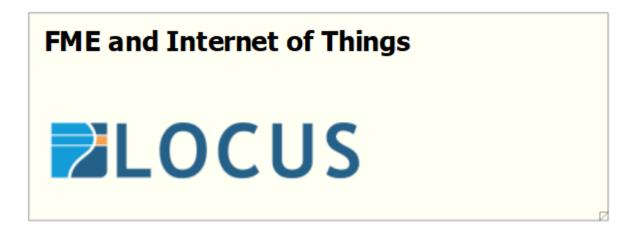
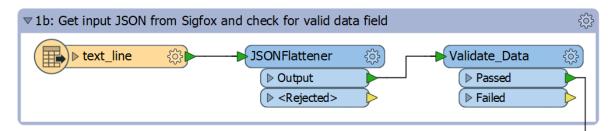
Screenshots from the "FME and Internet of Things" talk at the New Zealand FME World Tour events by Gary Nicholson from Locus Ltd.

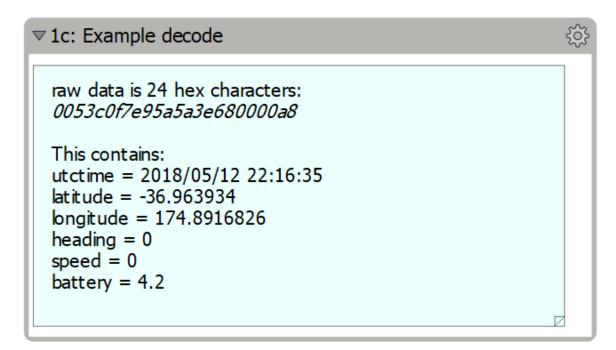
Please ask <u>gary@locus.co.nz</u> if you would like the workspace.

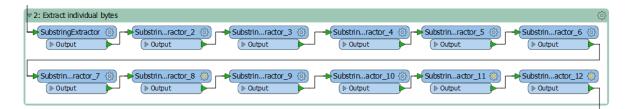


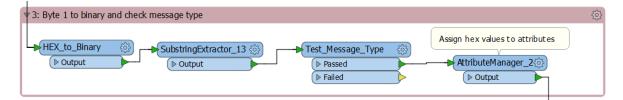


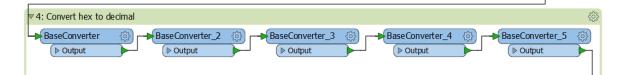


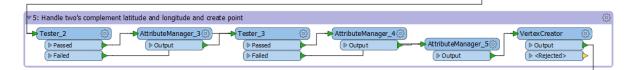


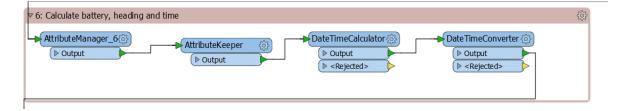


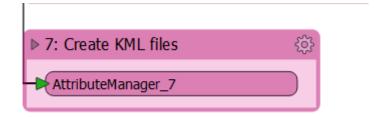


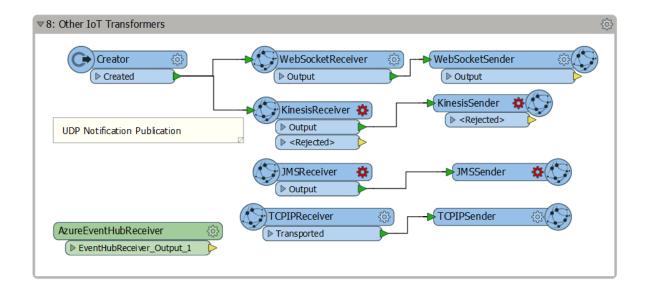


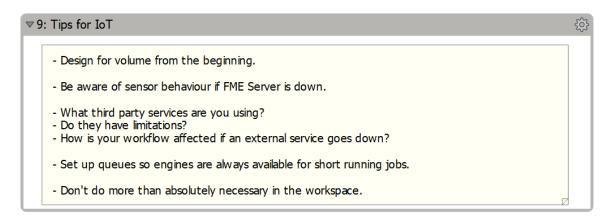












▼10: A word of warning about IoT

## Automating a garage door opener and browser tabs

## @rombulow

You know how HTTP GET requests are meant to be idempotent? Well, do I have the story for you ... a while back I added WiFi control to our garage doors with little Wemos D1s.

The Werro's expose a simple web page with a link that says "Toggle". The endpoint for the link activates a relay, which is hooked up to the pushbutton on the garage door, which makes the door raise/lower/halt.

(This /toggle endpoint responds to GET requests. I threw the code together in minutes and was too lazy to spend another couple minutes figuring out POST. <u>#regret</u>)

Safari eventually figured out I used this /toggle page regularly, so added it to my favourites. Which are iCloud-synced between all my devices. So every time I opened a new tab on my laptop, desktop, iPhone or iPad the garage door opened or dosed. Late at night, early in the morning, or randomly throughout the day...

This, kids, is why GET requests should be idempotent.

▼ 100: Links

## Links

 FME and Oxfam Trailwalker : <a href="https://www.safe.com/presentation/locus-and-fme-benefitting-the-community-with-oxfam/">https://www.safe.com/presentation/locus-and-fme-benefitting-the-community-with-oxfam/</a>

 Wireless Nation : <a href="https://iot.wirelessnation.co.nz/">https://iot.wirelessnation.co.nz/</a>

 Sigfox Callback URL : <a href="https://backend.sigfox.com/devicetype/\*\*\*\*\*/callbacks/\*\*\*\*\*/edit">https://backend.sigfox.com/devicetype/\*\*\*\*\*/callbacks/\*\*\*\*\*/edit</a>

 Oxfam Trailwalker Tracking : <a href="https://otw18.twaack.com/testkml.html?tracker=Sigfox">https://otw18.twaack.com/testkml.html?tracker=Sigfox</a>

