IFTTT Integration

IFTTT (IF This Then That) is an IoT recipe maker. Recipes consist of If *This* Then *That*, where *this* is a trigger and *that* is an action. LANnouncer can enable the actions, such as...

- Say a phrase
- Sound an alarm
- Flash the strobe
- Take a photo (or grab one from an IP camera), optionally uploading to Dropbox.

Background

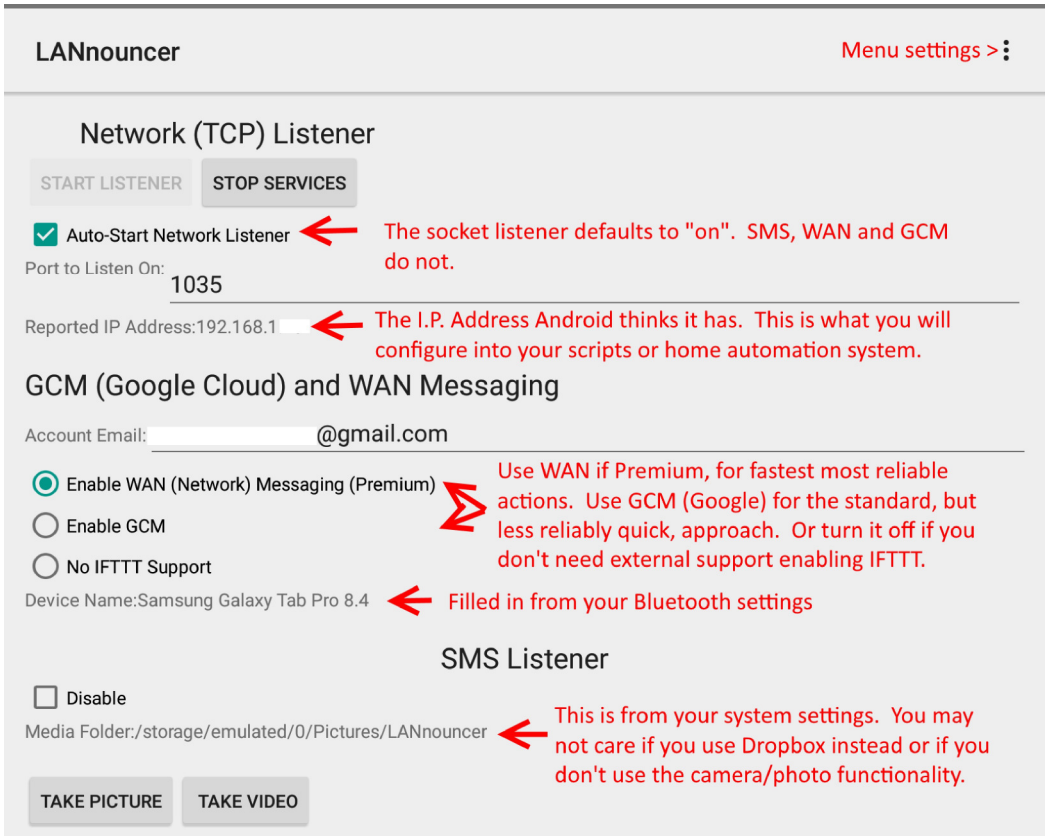
IFTTT mostly uses pre-build channels with pre-built actions. However, these are *partnerships*, i.e. time-consuming to set up and beyond the reach of non-corporate entites. In August 2016, IFTTT brought out the Maker channel. You can now integrate REST-based services.

The problem is, LANnouncer talked to Android devices, either via LAN or SMS. LAN-based devices are probably behind a firewall and SMS doesn't even have an interface.
This was great for the initial intent of LANnouncer, but not IFTTT compatible.

So now LANnouncer supports GCM, Google Cloud Messaging... which also requires a web server. This is now in-place.

Ingredients

Set Up LANnouncer



UserId

The userId is your primary identifier at the server, attaching your devices to your registration data from Google. For convenience and simplicity, your gmail address is suggested, and is pre-filled on the LANnouncer app. However, as long as you are consistent, it can be anything unique to you, such as a GUID.

This allows you to have several devices active at once, and to be able to connect IFTTT to GCM to LANnouncer.

Device Name

The deviceName comes from your Android device; you set it from the Bluetooth Advanced settings. It plus your userId are used to uniquely identify your device's Google Cloud number.

Set Up IFTTT Maker

You need to have an IFTTT account and probably a Maker Key. These can be done at http://www.ifttt.com.

Restart GCM

Any time you change the email or device name, the GCM Registration should be re-run. Kill and restart LANnouncer or check and then uncheck the "Disable" checkbox for GCM.

Create a Recipe

At your recipes page, select "Create Recipe".

IFTTT Search My Recipes Browse Channels

Recipe ID [redacted]

Back to My Recipes

Turn off
Publish
Check now
Log
Delete

created January 24, 2016
last run March 03, 2016
run 4 times

You say "Alexa trigger sound chime"

Make a web request

Recipe Title

If You say "Alexa trigger sound chime", then make a web request

use '#' to add tags

Receive notifications when this Recipe runs

Trigger

Say a specific phrase

This Trigger fires every time you say "Alexa trigger" + the phrase that you have defined. For instance, if you set "find my phone" as the phrase, you can say "Alexa trigger find my phone" to make your phone ring. Please use lower-case only.

This is Alexa-Recipe Specific. Your triggers will look different.

What phrase?

sound chime

Use lower-case characters only

Action

Make a web request

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

URL **The externally-facing LANNouncer Server**

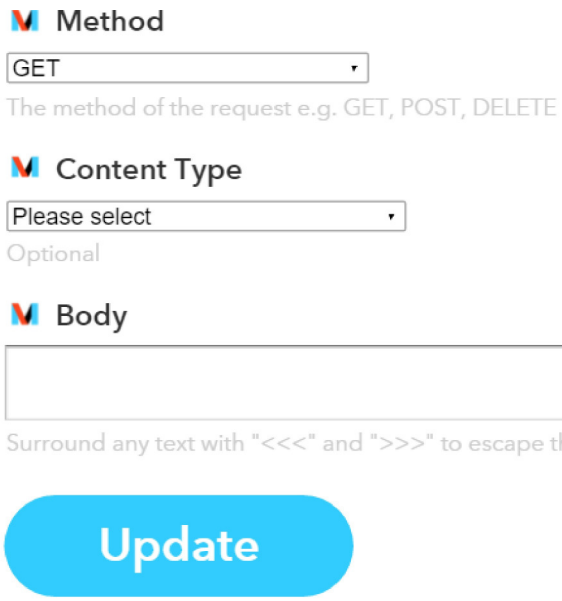
http://lannouncer.keybounce.com:1036/command?userName=[redacted]&deviceName=Samsung%20Galaxy%20Tab[redacted]&c[redacted]

User Name in LANNouncer

And Device

Command to run

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



Title and Trigger

These are LANnouncer-independent. For this example, using the Alexa channel and setting a simple voice trigger is probably easiest.

Action

For the Action, you will be issuing a "web request". It can be a Post or a Get.

If a GET, use the form:

http://lannouncer.keybounce.com:1036/command?
userName=*configured_email_on_LANnouncer*@gmail.com&deviceName=*Configured_Device_Name*&command=ALARM%3DCHIME

Where:

- The configured-email matches the value in LANnouncer
- The device name similarly matches the value *reported* in LANnouncer
    - *This allows you to target different devices easily*
- The normal LANnouncer commands (ALARM=SIREN, SPEAK=HELLO WORLD, etc.) are URL-escaped...
    - Equals (=) becomes %3D
    - Space ( ) becomes %20
- The server is, as shown, lannouncer.keybounce.com:1036

Content and Body

No Content or Body are necessary if sending a

That's It

Obviously there was a lot more to getting all of this to work, on the back end, but that should be all you have to do to trigger LANnouncer with IFTTT.