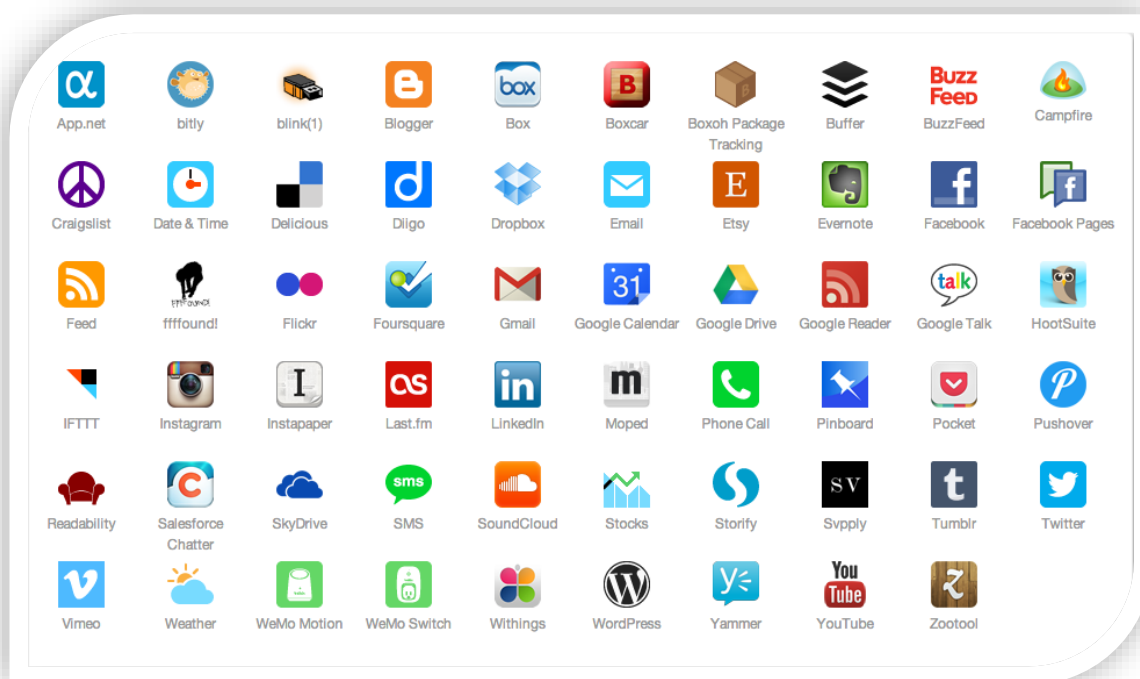


Application note

IFTTT

Integration with Wiser for KNX



Safety Information

Important Information



Read these instructions carefully before trying to install, configure, or operate this software. The following special messages may appear throughout this bulletin or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, can result in death or serious injury.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, can result in minor or moderate injury.

NOTICE


NOTICE is used to address practices not related to physical injury. The safety alert symbol shall not be used with this signal word.

Please Note

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

Safety Precautions

 WARNING
<p>HAZARD OF INCORRECT INFORMATION</p> <ul style="list-style-type: none">• Do not incorrectly configure the software, as this can lead to incorrect reports and/or data results.• Do not base your maintenance or service actions solely on messages and information displayed by the software.• Do not rely solely on software messages and reports to determine if the system is functioning correctly or meeting all applicable standards and requirements.• Consider the implications of unanticipated transmission delays or failures of communications links. <p>Failure to follow these instructions can result in death, serious injury, or equipment damage.</p>

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information that is contained herein. If you have any suggestions for improvements or amendments or have found errors in this publication, please notify us.

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All pertinent state, regional, and local safety regulations must be observed when installing and using this product. For reasons of safety and to help ensure compliance with documented system data, only the manufacturer should perform repairs to components.

When devices are used for applications with technical safety requirements, the relevant instructions must be followed.

Failure to use Schneider Electric software or approved software with our hardware products may result in injury, harm, or improper operating results.

Failure to observe this information can result in injury or equipment damage.

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1 Introduction

IFTTT (IF This Then That) is a free web based service that allows users to create chains of simple conditional statements called "recipes", which are triggered based on changes to other web services such as Gmail, Twitter, Facebook, Instagram, and Pinterest or Wiser for KNX in our case...

Samples of use:

- Reaction on On-line service such as weather, news, social network events: **IF** (selected weather condition matches, increase, decrease...) **THEN** perform an action with selected group address
- Reaction on phone events such as incoming SMS or call: **IF** (selected event occur) **THEN** perform an action or provide notification in Wiser for KNX visualization (via alert event in script)
- Possibility to trigger actions in accordance of presence/absence of mobile device. **IF** I am leaving/entering home **THEN** perform selected action i.e. scene.

This application note describes creation of IFTTT account, creating of simple recipes and settings of Wiser for KNX to work with remote services.

A glossary is available in the appendix chapter of this document. Please refer to it whenever necessary.

Competencies

This document is intended for readers who have been trained on Wiser for KNX, spaceLYnk products. The integration should not be attempted by someone who is new to the installation of either product. In addition, we recommend that you be familiar with:

- basics of IFTTT
- basic knowledge of Wiser for KNX or spaceLYnk

System prerequisites

Software	Version	Download
Wiser for KNX	2.1 and newer	http://www.schneider-electric.com
IFTTT	(on-line SW)	https://ifttt.com

Table 1: Software versions of used software

2 Configuration

2.1 Wiser for KNX configuration

Remote services must be enabled in Wiser for KNX to receive/send commands from IFTTT.

Remote services are enabled by default in Wiser for KNX.

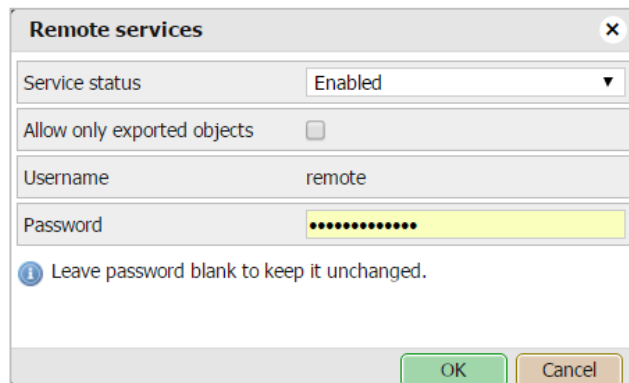
Go to the [System/Services/Remote](#) services and check/enable Remote services in Service status parameter.

[Allow only exported objects](#) option will only allow export of objects marked for export.

Username is [remote](#) by default.

If password field is left blank, default password [remote](#) is used.

Change password is strongly recommended as all communication take place on-line.



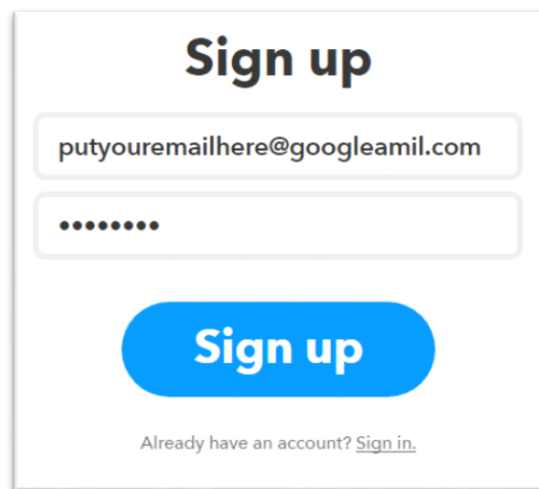
Picture 1 Remote services tab in Wiser for KNX

2.2 Configuration of IFTT

2.2.1 Creating IFTT account

IFTTT account is free. All you need is a valid email address, which also will be the address where email notifications will be pushed. (Google mail is recommended as many IFTTT email features are made directly for Google mail).

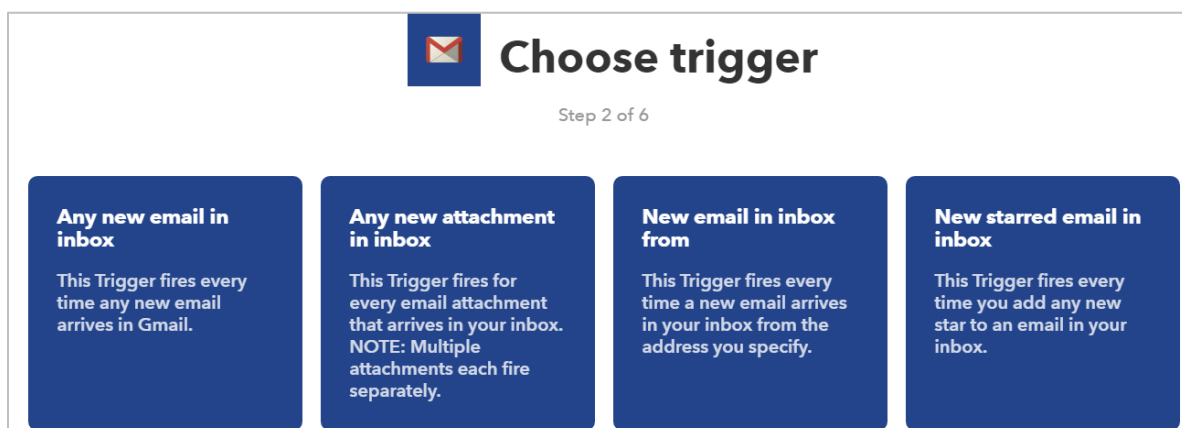
Go to the www.ifttt.com pages and create your account by clicking on Sing up icon and filling your credentials:

A screenshot of the IFTT sign-up page. It features a white background with a light gray border. At the top, the text "Sign up" is displayed in a large, bold, black font. Below this, there are two input fields: the first for an email address, containing the placeholder text "putyouremailhere@googleamil.com", and the second for a password, represented by a series of dots. A prominent blue button with the text "Sign up" in white is centered below the input fields. At the bottom, a link reads "Already have an account? [Sign in.](#)"

Picture 2 IFTTT login page

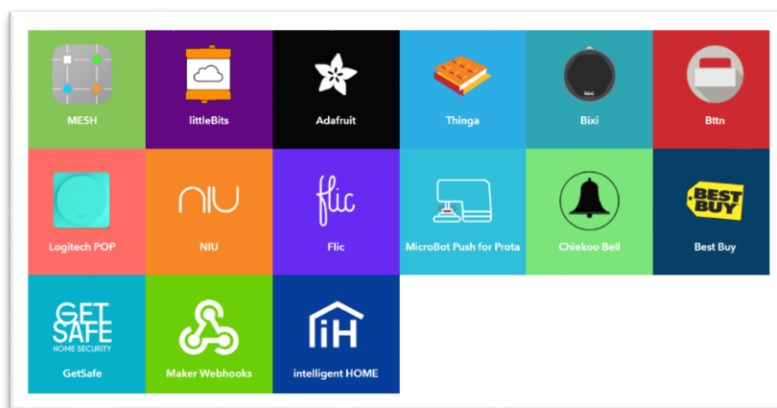
2.2.2 Setting of sample IFTTT condition

Click on New applet icon in My applets section. Add a triggering condition by clicking on + in **if + this then that**. We will select condition Any new email in inbox in Google mail as an example.

A screenshot of the "Choose trigger" screen in the IFTT app. The screen has a white background with a blue header bar containing an envelope icon and the text "Choose trigger". Below the header, it says "Step 2 of 6". There are four blue rectangular buttons arranged in a row, each representing a different trigger condition. The first button is titled "Any new email in inbox" and describes the trigger as firing every time a new email arrives in Gmail. The second button is titled "Any new attachment in inbox" and describes the trigger as firing for every email attachment that arrives in the inbox, with a note that multiple attachments fire separately. The third button is titled "New email in inbox from" and describes the trigger as firing every time a new email arrives from a specified address. The fourth button is titled "New starred email in inbox" and describes the trigger as firing every time a new star is added to an email in the inbox.

Picture 3 Selecting triggering condition

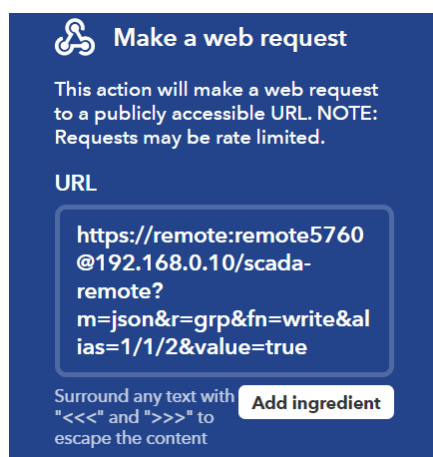
Choose action service by clicking + in **if**  **then**  **that** and selecting **Maker Webhooks** from the list of channels in section DIY electronic. (Full list of sections is available when you click on Search icon in main menu.)



Picture 4 Selecting action service

Choose a Trigger action **Receive a web request**. Any other trigger such as incoming email, Tweet, reading from IFTTT native weather channel may trigger the action or be a target of a command from Wiser for KNX.

Set remote request URL and properties as described in chapter 7.4 of Wiser for KNX User guide. Always prefer https connection if possible. Select method **get** and select content type **text / plain** body can be left empty.



Picture 3 setting remote request URL

Press create action icon to save changes.

Set notification if needed.

Press  button to make your newly created Applets live.

All your created applets can be viewed/modified/deleted in My Applets tab.

Communication is bi-directional. You can trigger any Applet in IFTTT by Wiser for KNX object as well.

Create event based script

Create an event based script to trigger the IFTTT Maker recipe as created in chapter 2.2.2. Be sure that group address bound with event based script is matching group address set in the IFTTT recipe (1/1/2 Boolean type in our case).

```
-- ***** START OF SCRIPT *****
--
-- ***If This Then That Maker Channel Trigger Event Version 1.0 Created by Erwin van der
Zwart
-- Updated by SE in 2017

-- ***** SET PARAMETERS ***** --

-- Set your personal secret key from received https://maker.ifttt.com
Applet_ID = '53917324d'

-- Unique trigger event name you have set in the 'Maker' recipe 'This' event
Applet_Name = 'If any new email in inbox for putyouremailhere@googlemail.com, then make a
web request' -- Have to match your trigger description you have set in the recipe

-- ***** END PARAMETERS ***** --

local https = require 'ssl.https'

function iftttmaker(Applet_ID, Applet_Name)
local r, c, h, s = https.request{
    url = 'https://maker.ifttt.com/trigger/' .. Applet_Name .. '/with/key/' .. Applet_ID,
    sink = ltn12.sink.table(resp),
    protocol = "tlsv1"
}
return r, c, h, s
end
```



```
r, c, h, s = iftttmaker(Applet_ID, Applet_Name)
```

```
-- ***** END SCRIPT ***** --
```

Test the script by activate the condition in IFTTT. Group address 1/1/2 should change to „true“.
Reaction speed depends on the speed of local connection/server traffic and may be up to several seconds. Email services are postponed by their provided by 1-2 minutes.

3 Conclusion

Integration of IFTTT service is fast and easy way to communicate with web based/enabled devices.

4 Appendix

4.1 Glossary

The following table describes the acronyms and defines the specific terms used in this document.

Abbreviation	Description
IFTTT	If This Than That
URL	Uniform Resource Locator – internet address

Table 2: Specific terms

4.2 References

Document title	Reference
About IFTTT page	https://ifttt.com/wtf
Sample solutions	https://www.wareable.com/smart-home/best-ifttt-recipes

Table 3: Reference

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