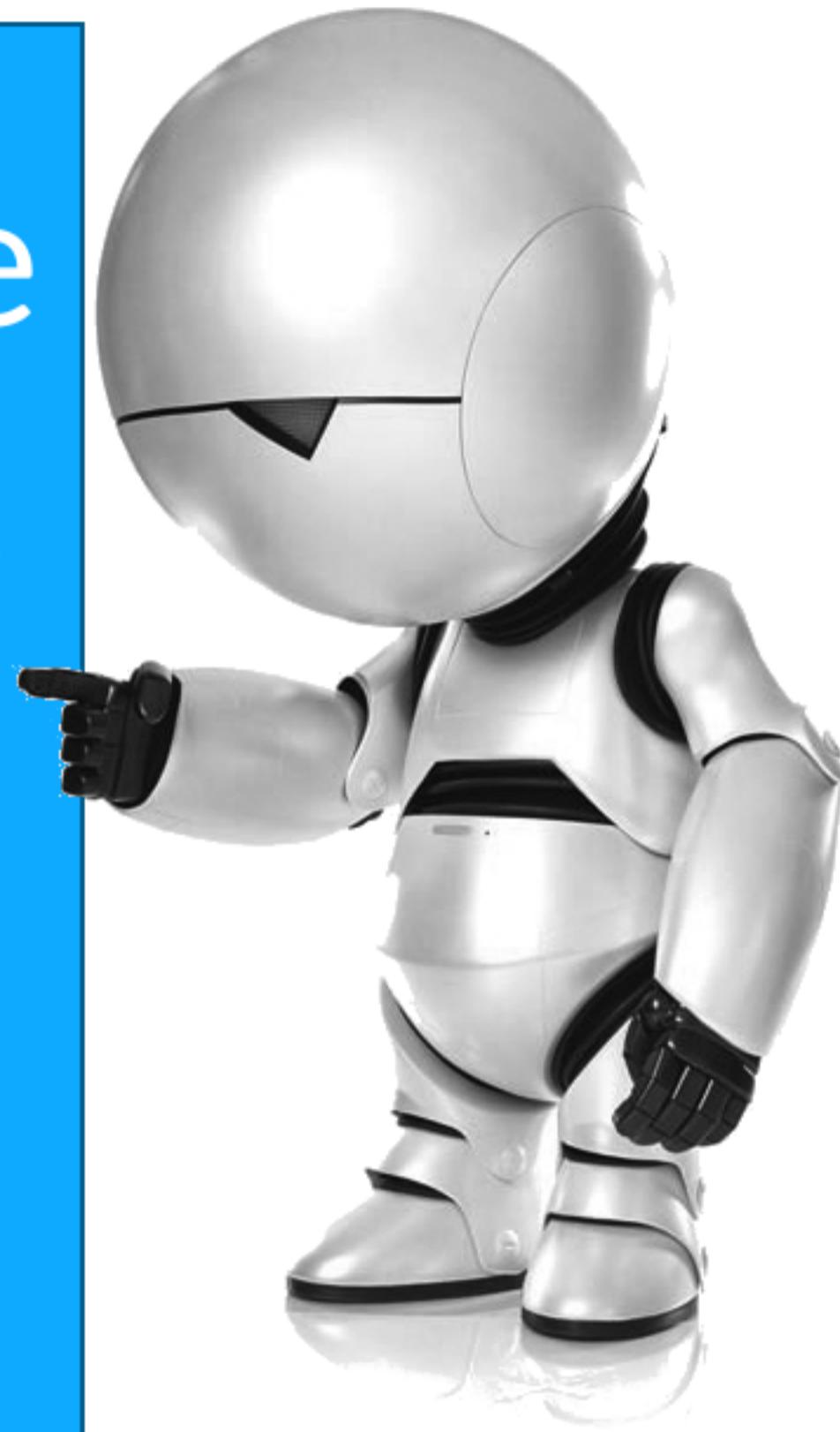


CONTROL YOUR HOME WITH **PHP** (AND SOME OTHER TOOLS...)

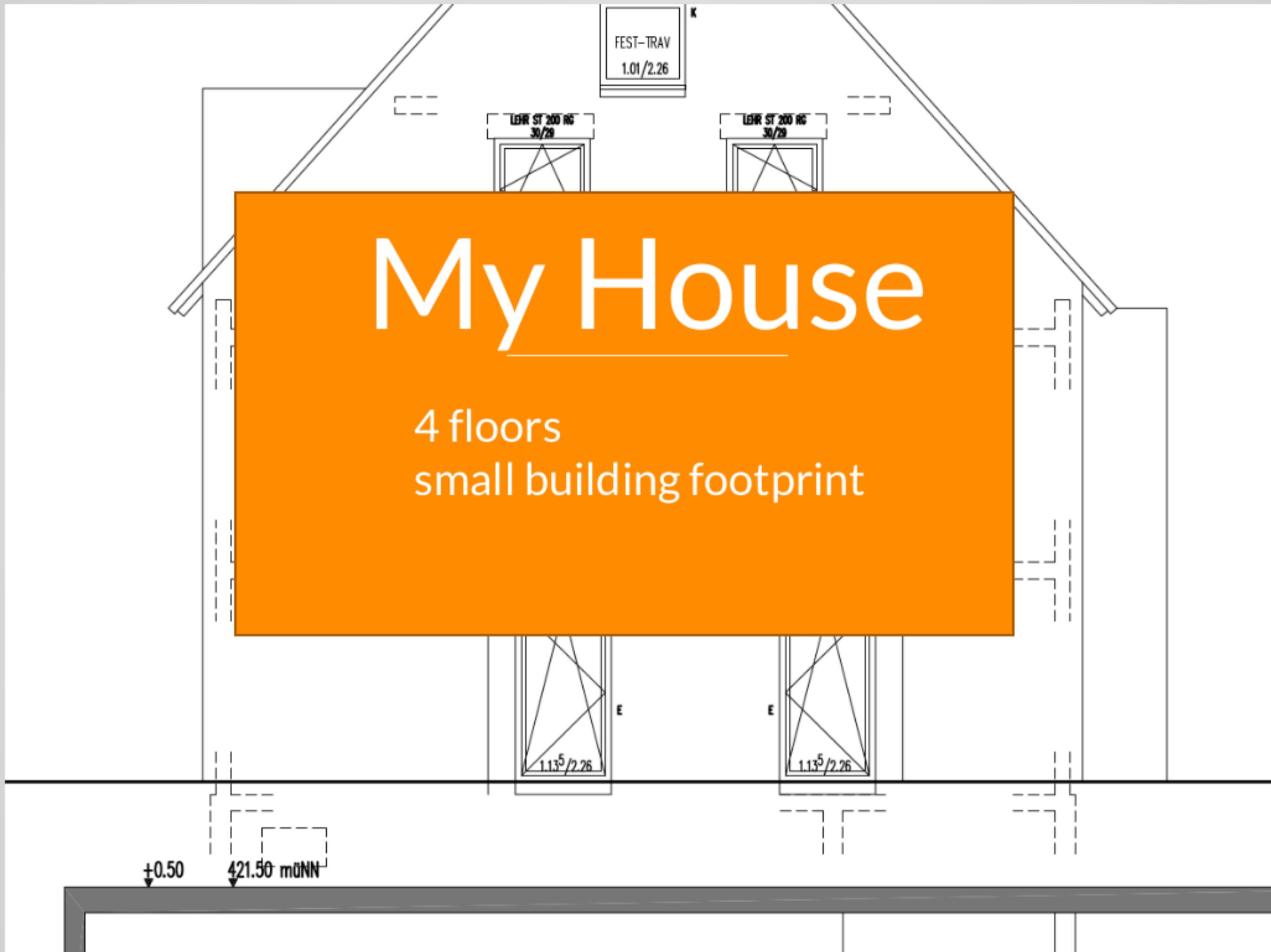


Smart Home

Home Automation
IoT



http://de.mini.wikia.com/wiki/Datei:Roboter_marvin.jpg



Automation

Control Shutters
from everywhere

Largest gadget
I can think of



http://pre04.deviantart.net/38f9/th/pre/i/2010/329/2/b/inspector_gadget_study_by_vdvector-d33k9db.jpg

SMART HOME STARTERPAKET

FÜR ZUHAUSE ODER BÜRO



Automation?

Smart?

<http://media.bestofmicro.com/Smart-Home-Kits-Security-Sicherheit-AV-Test-eSaver-iConnect-EUROiSTYLE-tapHome-Gigaset-Elements-REV-Ritter-iComfort->

dia.bestofmicro.com/Smart-
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AX-/I-6-439998-22.jpg

maybe a nice toy

Automation?
Smart?
Remote?





maybe a nice ~

Automation?

Smart?

Demote Co.

may

Automation?

Smart?

Remote Swi

Smart-
AV-Test-
apHome-
Comfort-
ICON-
-22.jpg

Collation:

Smart?

Remote Switch

(not talking about Nest or similar)

ch



An App is
NOT
the
Holy Grail

<http://stormonkeys.tumblr.com/post/34299168675/screenshot-monty-python-and-the-holy-grail>

"Automation
or automatic control,
is the use of various control
systems for operating
equipment [...] with minimal or
reduced human
intervention. Some processes
have been completely automated."



IP Gateway

- (Dimmed) Lights
- Wall sockets
- Shutters
- Heating

- no Client-Server
- Bus
- Sensors // Actors

Sensors and Actors
(a Switch is not a switch anymore)

Switch / Sensor is intelligent and
knows which actor to control

Program sensors/actors
via a proprietary
Windows Software
called ETS (booo...)

- (Dimmed) Lights
- Wall sockets
- Shutters
- Heating

- no Client-Server
- Bus
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Dimmered) Lights
Wall sockets
Shutters
Heating

- no Client-Server
- Bus
- Sensors // Actors

Sensors and Actuators
(a Switch is not an Actor)

Switch / Sensor
knows which actor it is

Program sensor

-Server

/ Actors

Sensors and Actors (a Switch is not a switch anymore)

Switch / Sensor is intelligent and
knows which actor to control

Program sensors/actors

• • •

-Server

/ Actors

Sensors and Actors
(a Switch is not a switch anymore)

**Switch / Sensor is intelligent and
knows which actor to control**

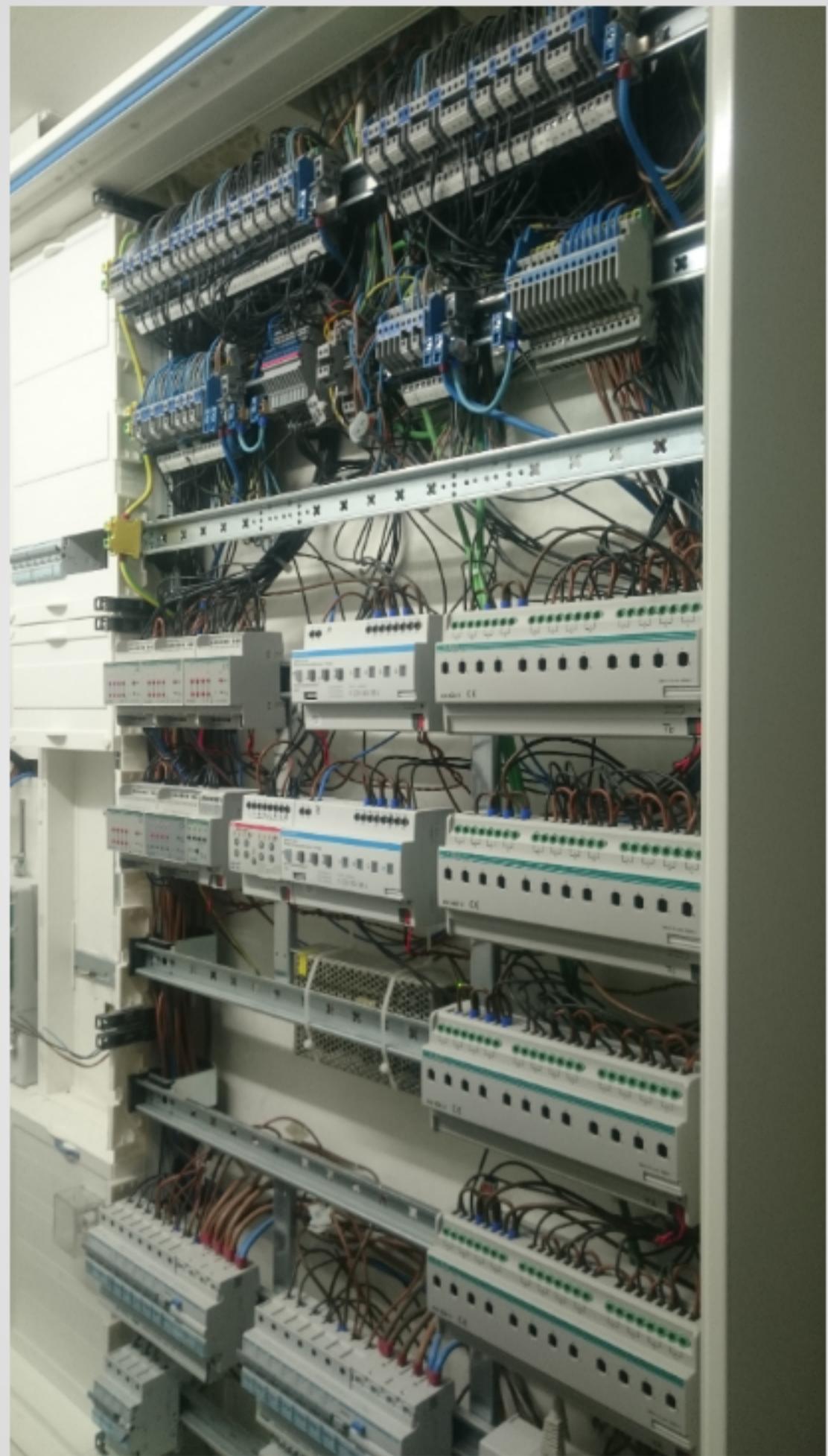
Program sensors/actors
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Switch / Sensor is intelligent and knows which actor to control

Program sensors/actors via a proprietary Windows Software called ETS (booo...)

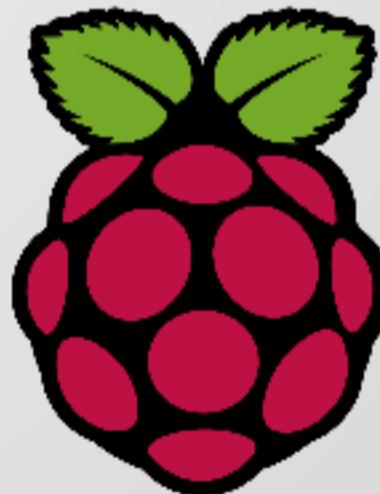


http://img.archiexpo.de/images_ae/photos/kohlendioxidmelder-aufbau-aussenbereich-zur-beruflichen-nutzung-50417-8117093.jpg / <http://ecx.images->

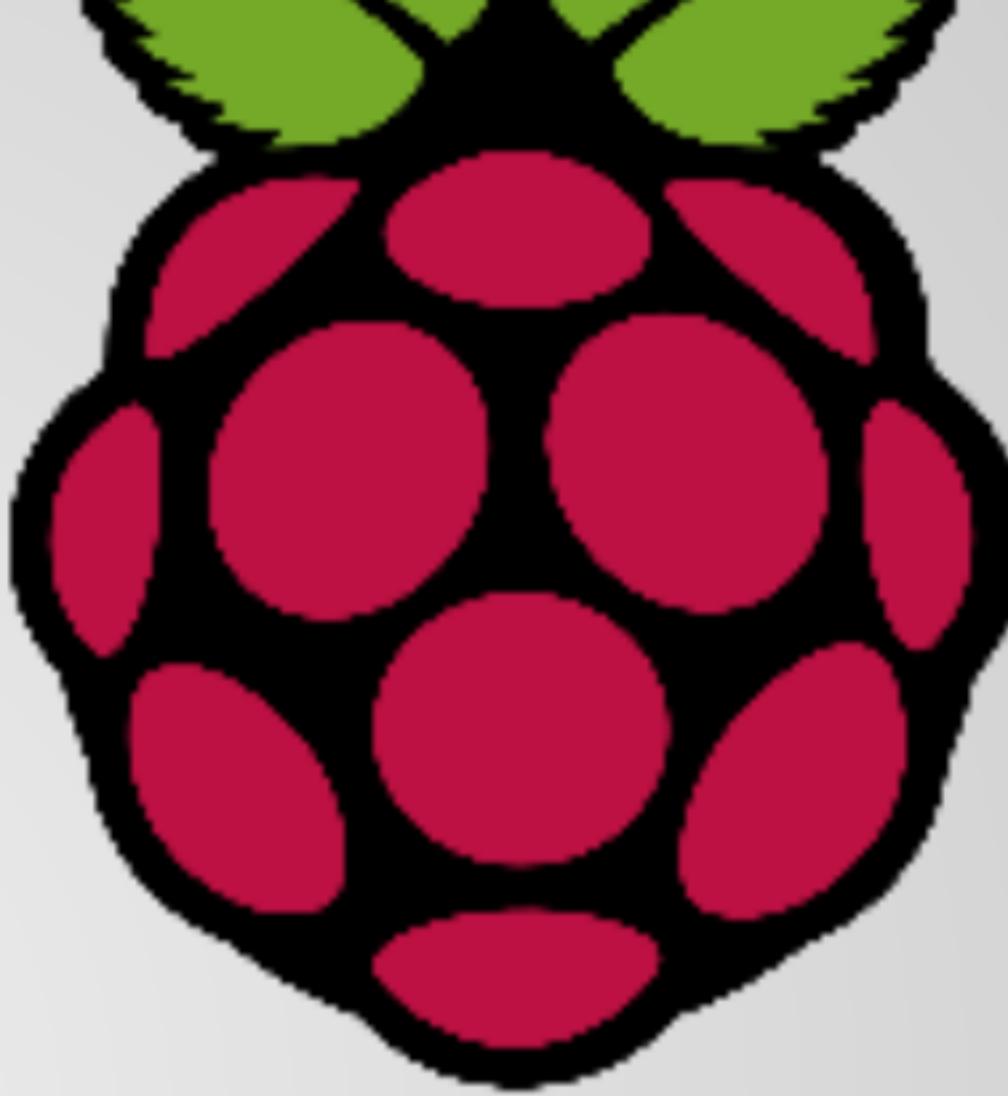


IP Gateway

OpenHAB



- Java
- App
- (Poor man's REST)
- connect to KNX
- Huge set of bindings available

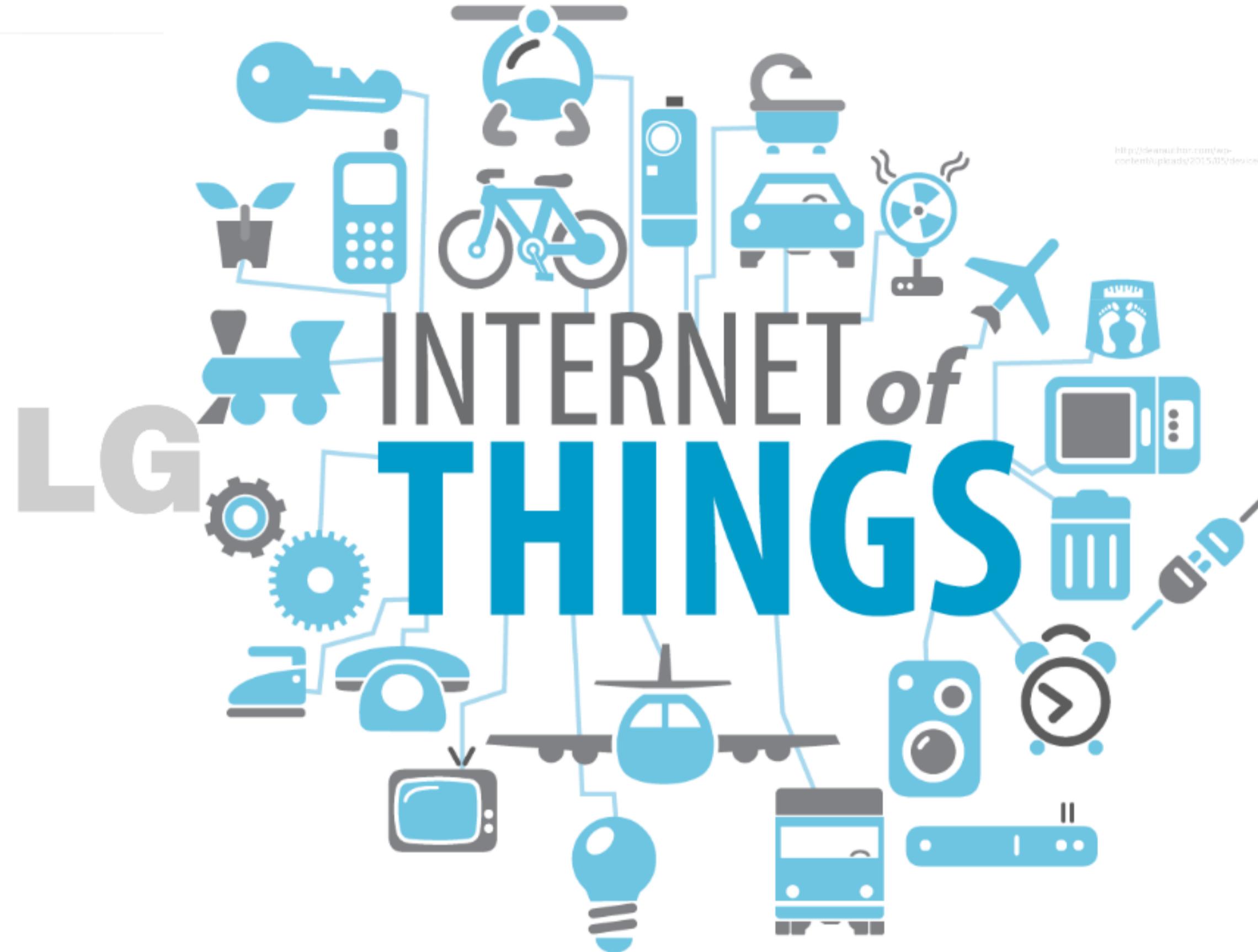


- Java
- App
- (Poor man's REST)
- connect to KNX
- Huge set of bindings available

connect to KNX

Huge set of bindings available

You can program, but...



<http://blog.open-xchange.com/2015/02/09/iot/>

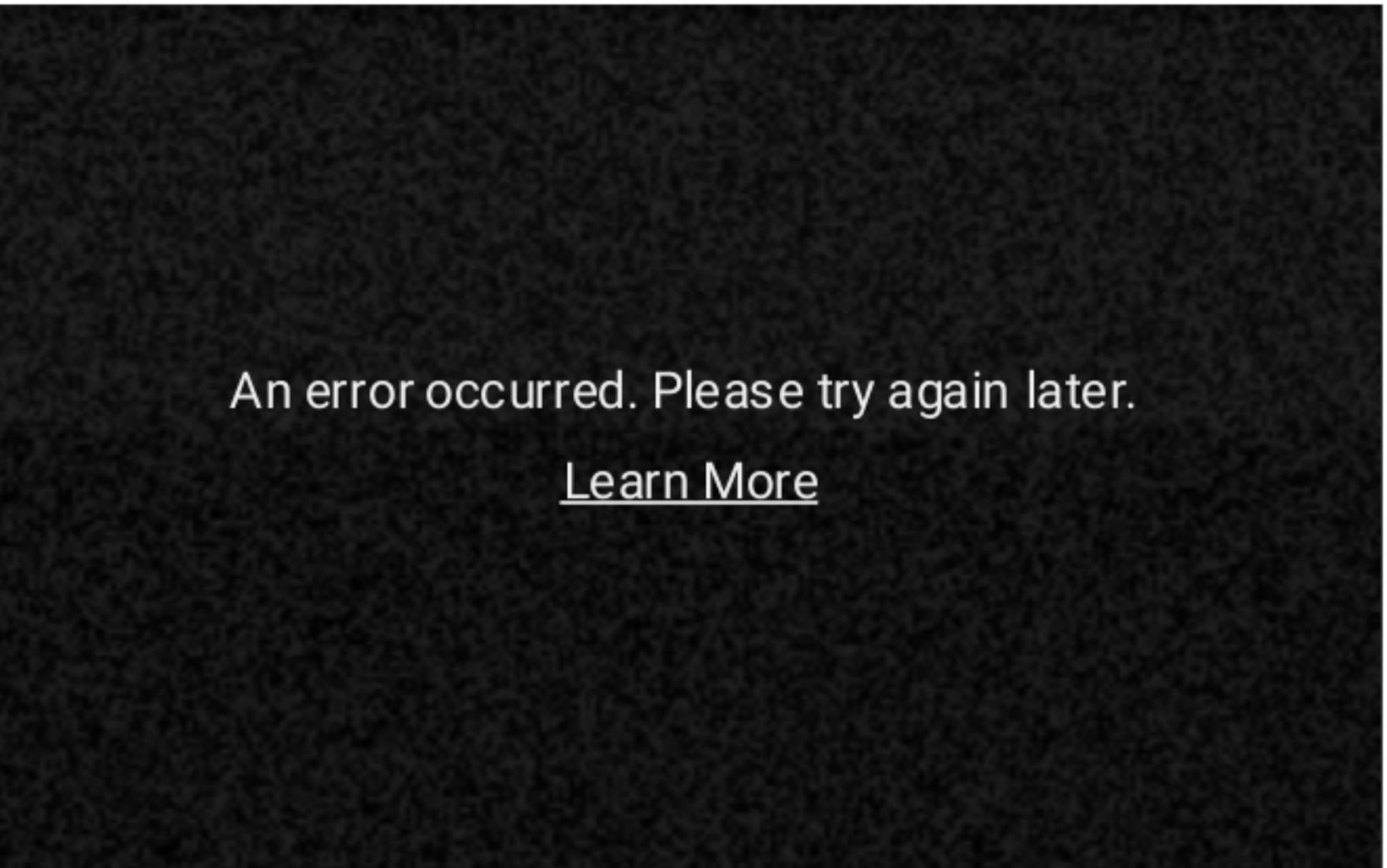


LG





http://ecx.images-amazon.com/images/I/91X4fFC5cnL._SL1500_.jpg



An error occurred. Please try again later.

[Learn More](#)

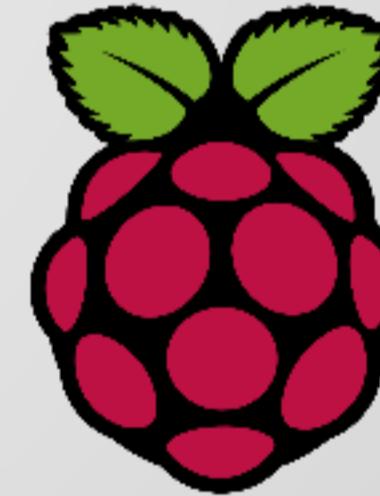


http://dearauthor.com/wp-content/uploads/2015/05/deviceheroimg_1.jpg



REST



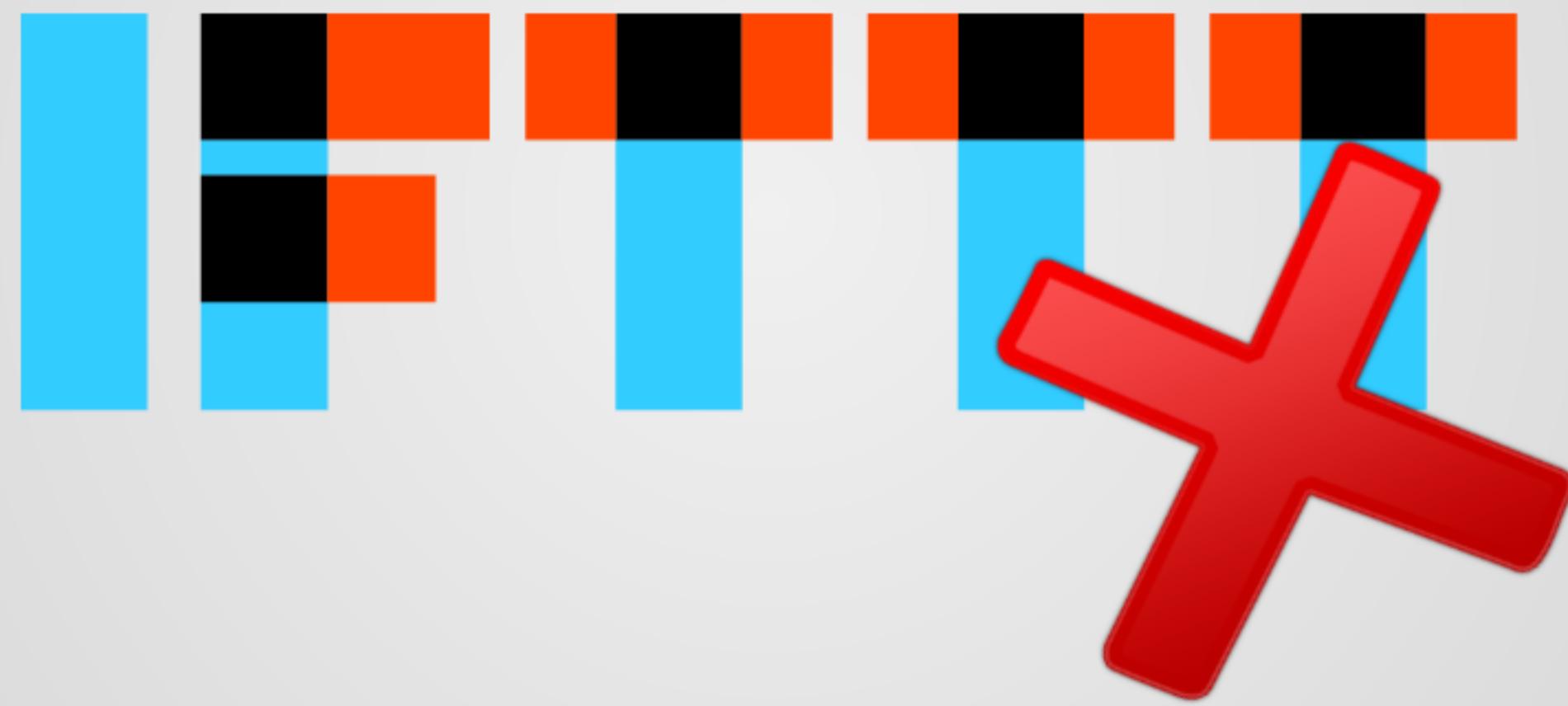


- Presence Detection via WiFi
- Presence Detection via Bluetooth
- Collect Data
- Let Nabaztag talk and blink
- ...

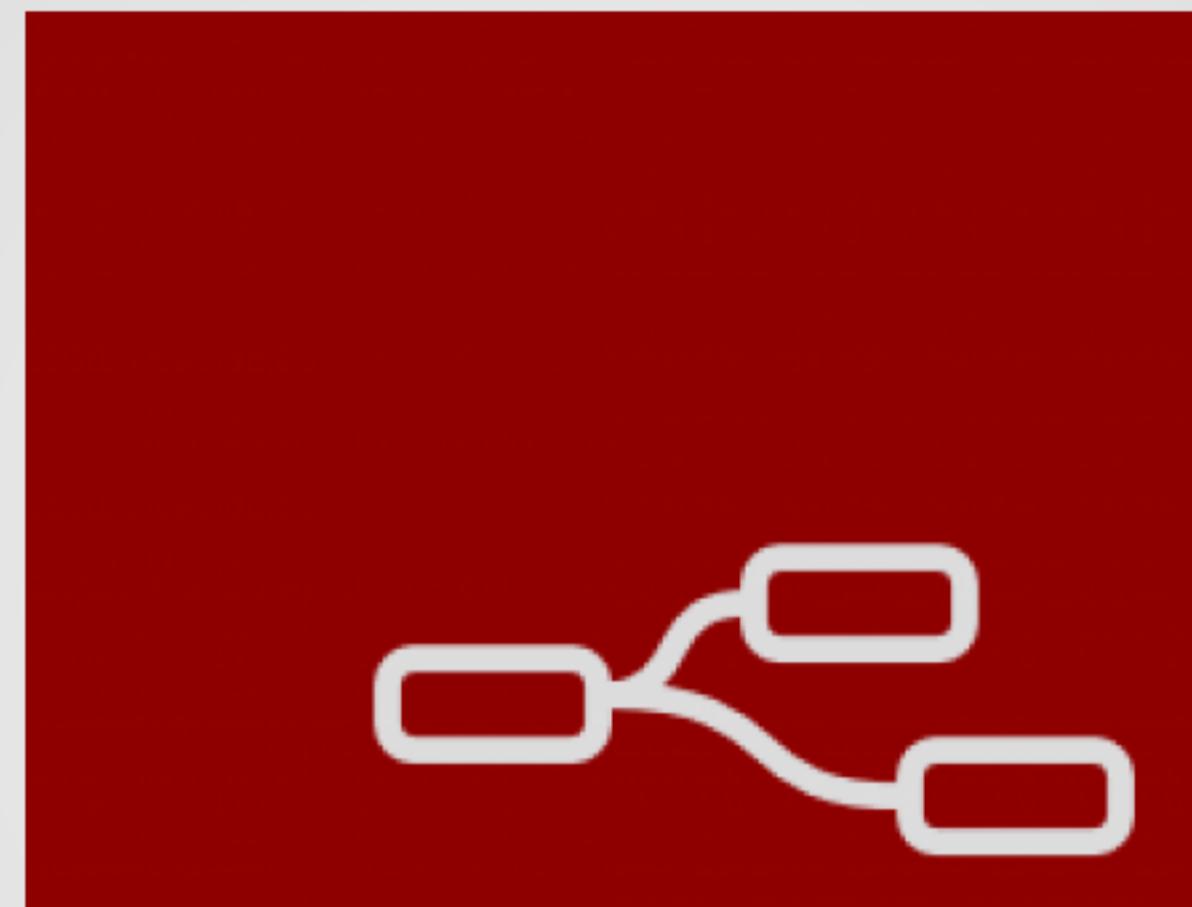
- Presence Detection via WiFi
- Presence Detection via Bluetooth
- Collect Data
- Let Nabaztag talk and blink
- ...

Demo



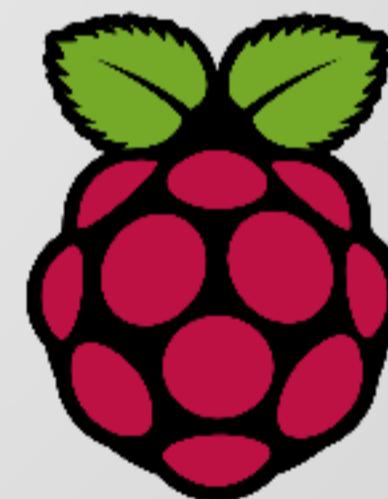


ic



Node-RED

Flows // Sequences



- Presen
- Presen
- Colle
- Let N
- ...

Dem

ROUTE-FIELD



Flows // Sequences

If later than 1 hour after sunset
and shutters are up then message
to TV and Nabaztag.

If no manual interaction within the
next 15 min shut down all Shutters

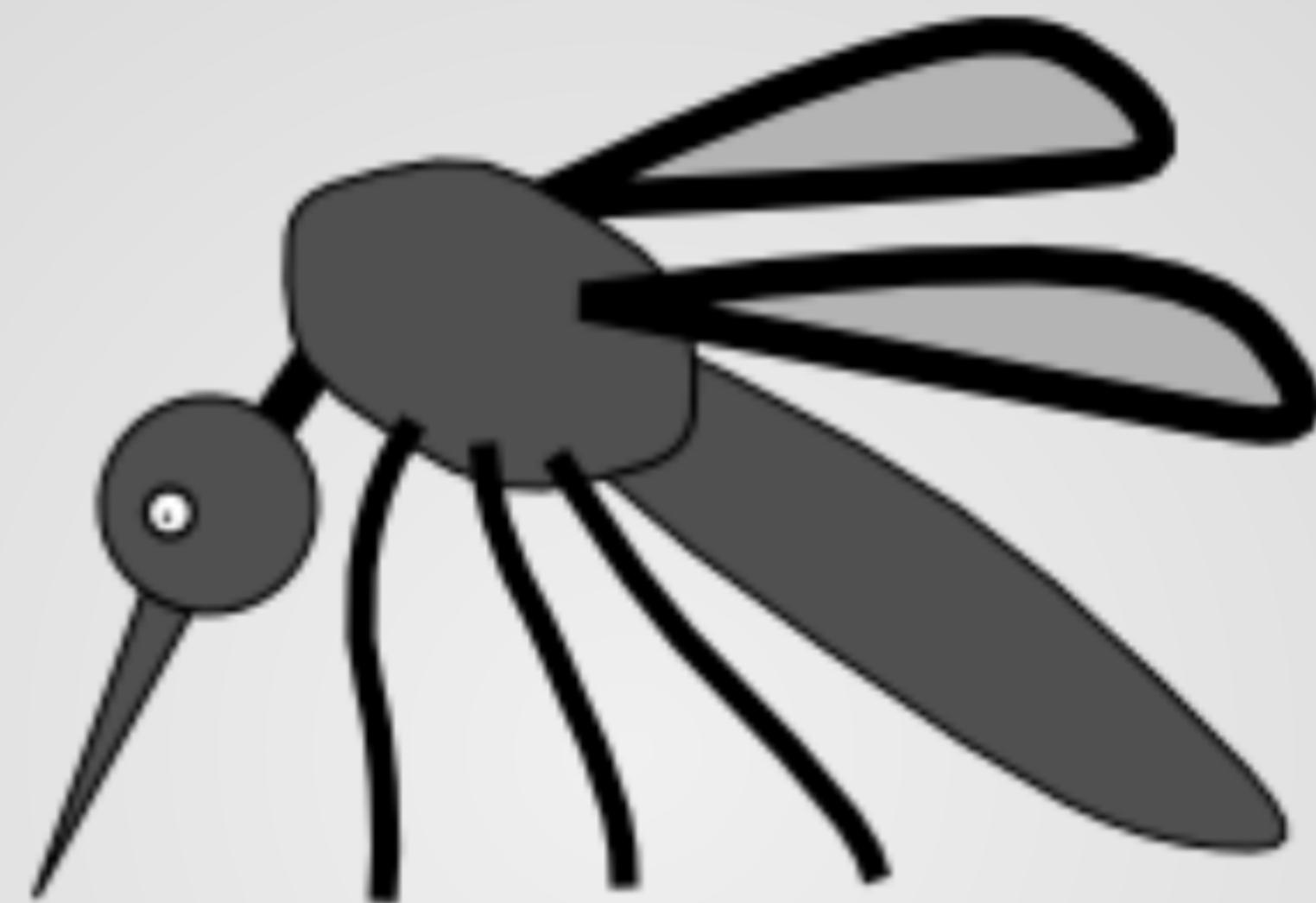
next 15 min shut down all Shutters

Turn on TV and
start Netflix or Amazon or ...

Burglar Alarm

Everybody left home
and door to the terrace is open
then msg to smart phones

Cup of Coffee in the morning
(and a message if it's ready)



 MQTT.ORG

The logo consists of a small square icon containing three curved, overlapping bands in shades of purple and blue. To the right of the icon, the word "MQTT" is written in a bold, white, sans-serif font. A ".ORG" suffix is positioned at the bottom right of the "T".



ionic



Introducing the New Version

Autonation?

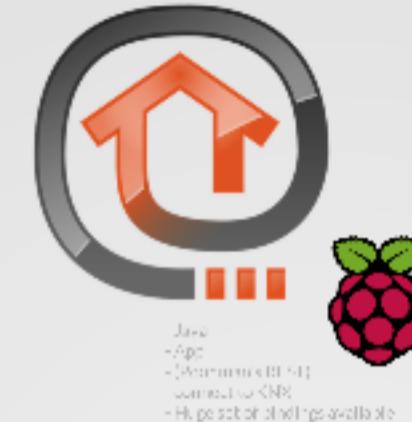
Smart?

Remote Switch

*Participation
and the educational
and therapeutic control
dimensions of parenting:
evidence from a
sample of 12-17 year olds
involved in a
intervention. Some processes
and their implications for childre-*

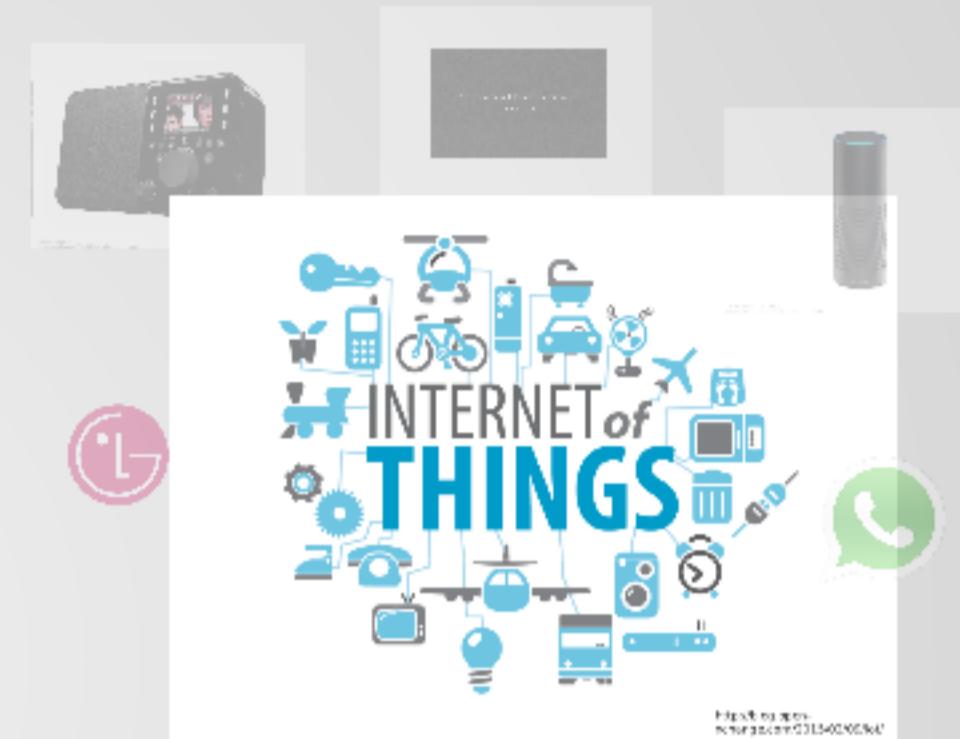
Big Picture

OpenHAB



Java
- API
- Frameworks (Spring)
- Persistence (JPA)
- High performance available

You can program, bu



| IP Golevna

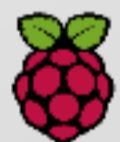
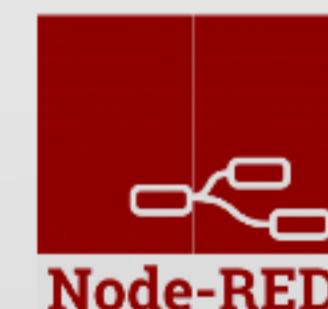


- [B]ottom - [B]ox
- [W]all [s]chedule
- [A]ct [s]chedule
- [S]ave [s]chedule

• Organizational culture
• Work prep library
• Workforce development
• Job/EI library

The MOTT logo consists of a stylized mosquito icon above the word "MOTT" in a bold, sans-serif font.

REST



- Anrechte-Nachfrager-ID
- Anrechte-Zeitraum (mindestens ein Jahr)
- Zeit-Nebenangabe (keine Blanks)





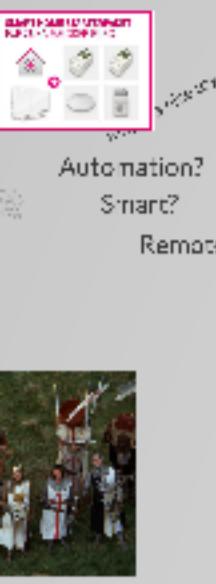
http://a.fastcompany.net/multisite_files/coexist/imagecache/1280/article_feature/lead-nuclear-power-human-error-homer-simpson.jpg



<http://i.huffpost.com/gen/2017938/images/o-SAMSUNG-VIRTUAL-REALITY-facebook.jpg>

DANKE SCHÖN!

jan@zend.com



Installing about New in sim8!

Automation?

Smart?

Remote Switch

Automation
• ability to control
• create previous control
• system can react
• situation [e.g. when rain
is used to turn
off shower. Some processes
can have multiple conditions.



- [Home] - IP
- Wall switch
- dimmer
- heating

• Client, Server, Services, Actions
• J2EE
• Sensors/Actuators

Switch/Encoder into IP and
know which actor to control

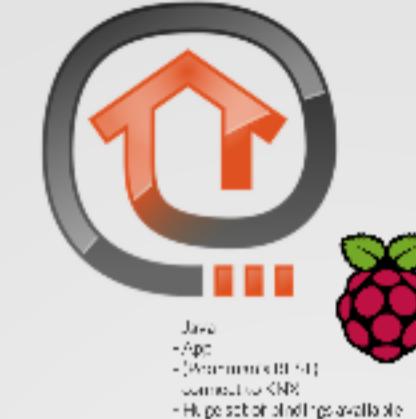
Programmable
via protocol
Windows Software
serial/ETH drivers



IP Gateway

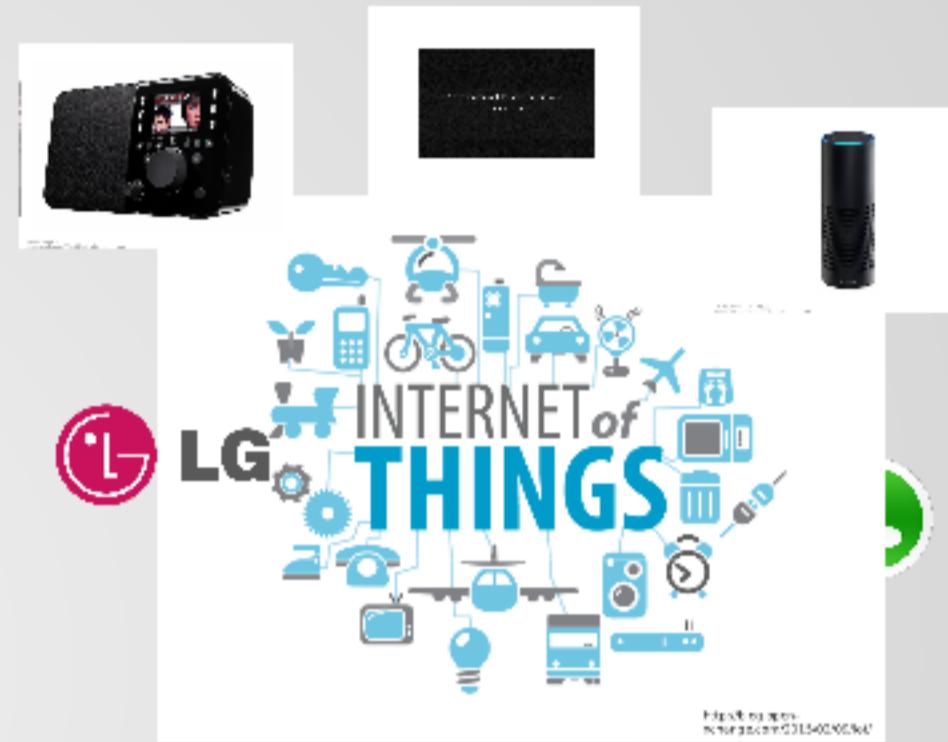
Big Picture

OpenHAB



Java
- API
- Minimum CPU: 900 MHz
- RAM: 1 GB
- Hard disk: 10 GB available

You can program, but...



http://www.lg.com/iot

REST



Presence detection via WiFi
- Presence detection via WiFi
- Call Data
- IoT Websocket talk via bin...
etc



Flow / Sequence



Domo

Cloud

Mobile

IoT

Big Data

Analytics

Machine Learning

AI

Blockchain

Cloud

Mobile

IoT

Big Data

Analytics

Machine Learning

AI

Blockchain

Cloud

Mobile

IoT

Big Data

Analytics

Machine Learning

AI

Blockchain

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