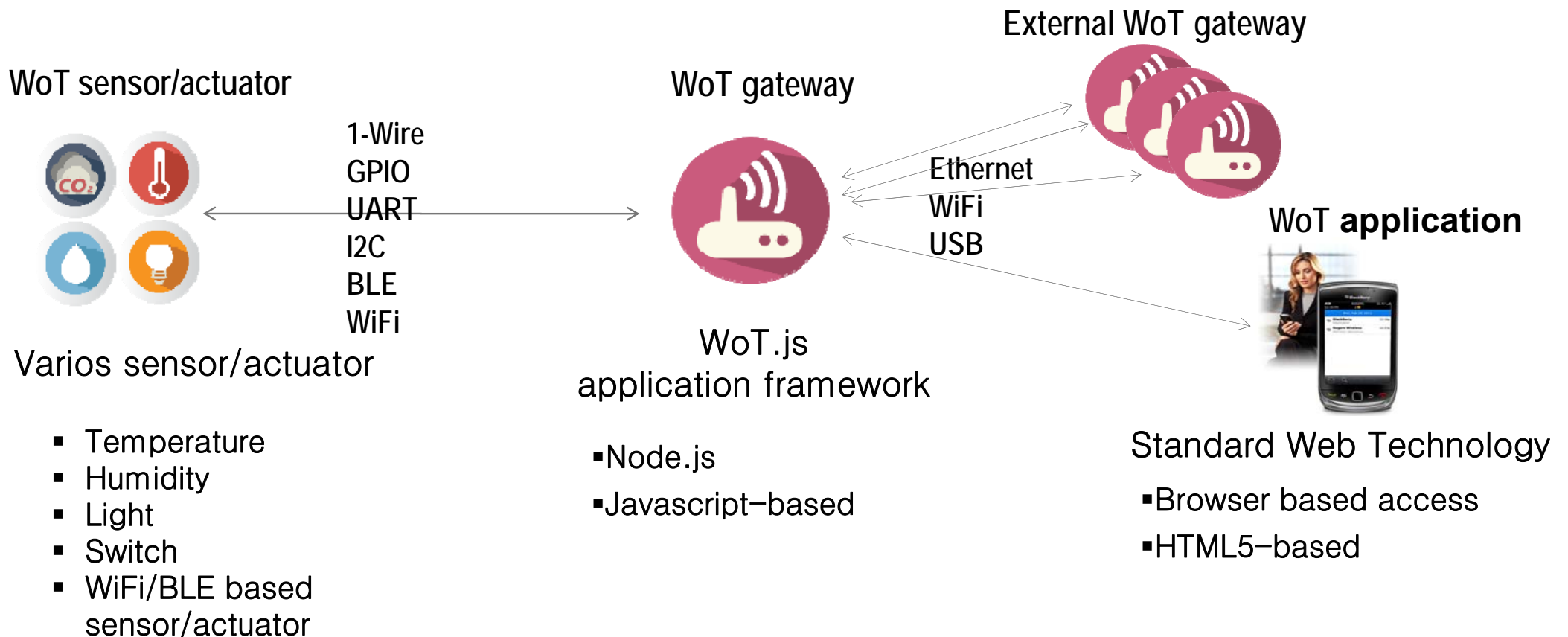
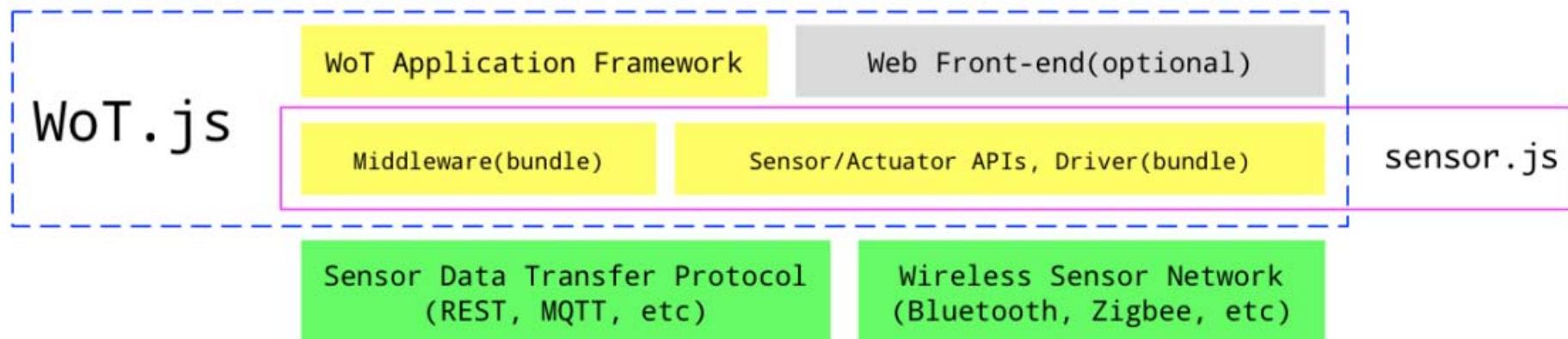


WOT FRAMEWORK ACTING SCENARIOS



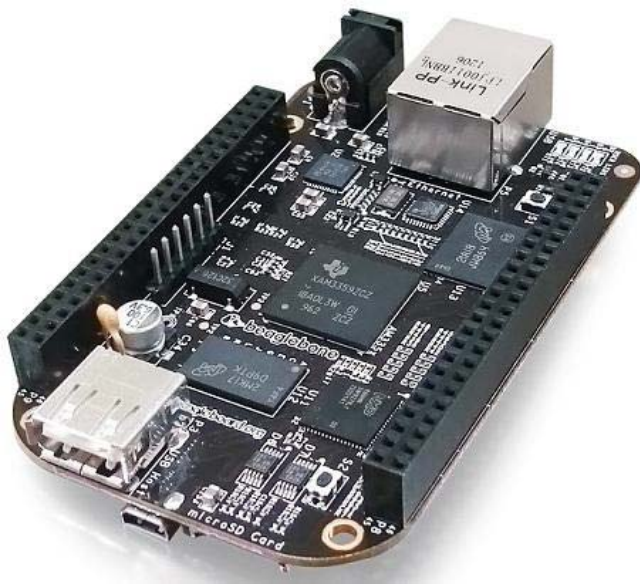
ARCHITECTURE OF WOT FRAMEWORK



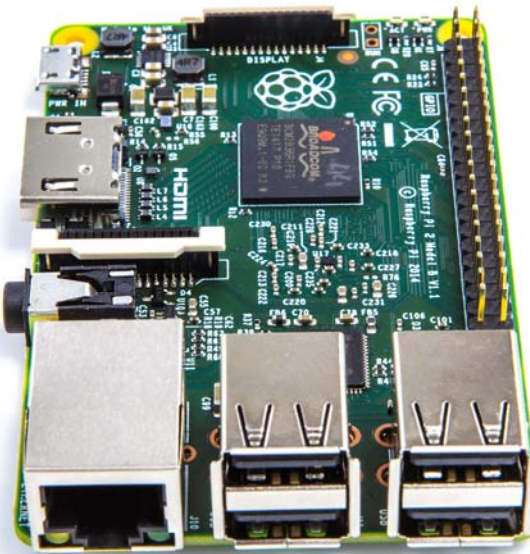
GOAL OF DEMONSTRATION

- **Show the advantages of WoT.js**
 - Support various OSHW, various sensor/actuato, javascript & web development
- **Show the possibilities of Node.js environment**
 - Various Integration with libraries & UI framework
- **Integration model of large scale WoT system**
 - CoWeb(oneM2M) interworking model
- **Support IoT/WoT protocols**
 - RESTful architecture, MQTT, Web Socket...
- **Web UI model**
 - Web based management & access

SUPPORTED HARDWARE



BeagleBone Black






Raspberry Pi 2

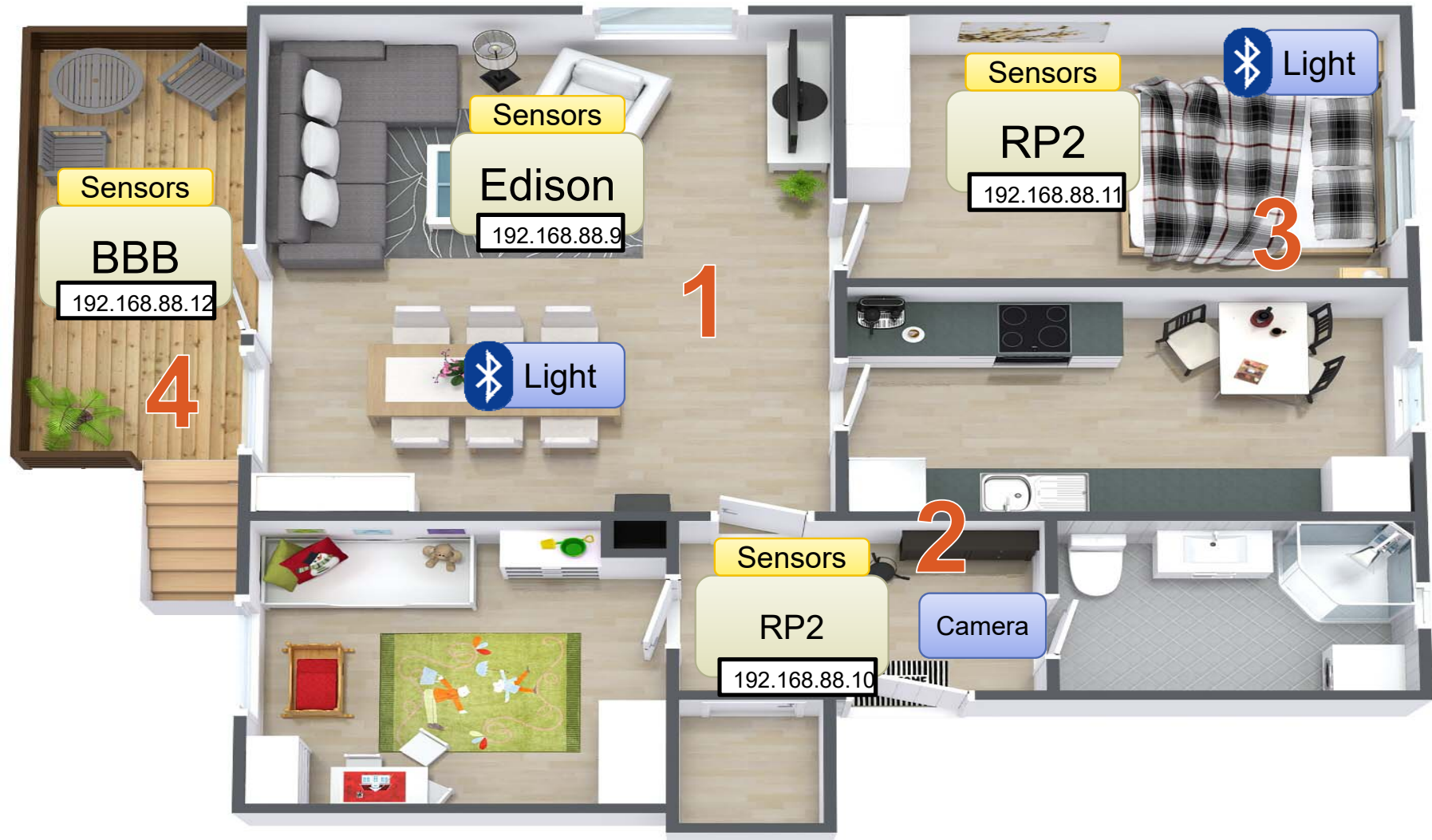


Intel Edison

SUPPORTED HARDWARE

| Product | Processor | RAM | Video output | Network | Wireless | Storage | OS |
|---|---|------|---------------|------------------------------|--|---------|---|
|  Beaglebone Black | AM335x 1GHz ARM Cortex-A8 | 512M | micro HDMI | 10/100M Ethernet | - | 4G | Debian Ubuntu Android Cloud9 on node.js |
|  Raspberry PI 2 | Boradom BCM2836 SoC (900 MHz ARM Cortex-A7 쿼드코 어) | 1G | HDMI | 10/100M Ethernet | - | - | Raspbian Ubuntu mate OPNELEC |
|  Edison | Intel 22nm ATOM 2core 500Mhz processor With MCU 100MHZ Intel Quark processor | 1G | - | Boradcom* 43340 802.11 | BLE 4.0 WiFi (802.11 a/b/g/n) | 4G | Yocto linux |

DEMO SCENARIOS



DEMO SCENARIOS

(1) Living Room (Edison)

- (1) Gateway & Coordination
- (2) Sensing – Light level, Temperature, Humidity
- (3) Actuators – BLE Light blub, ~~WiFi plug~~

(2) Front door (RP2)

- (1) Sensing – Light level, Temperature, Humidity, Motion Detect
- (2) Actuator - Camera, ~~WiFi plug~~

(3) Bed Room (RP2)

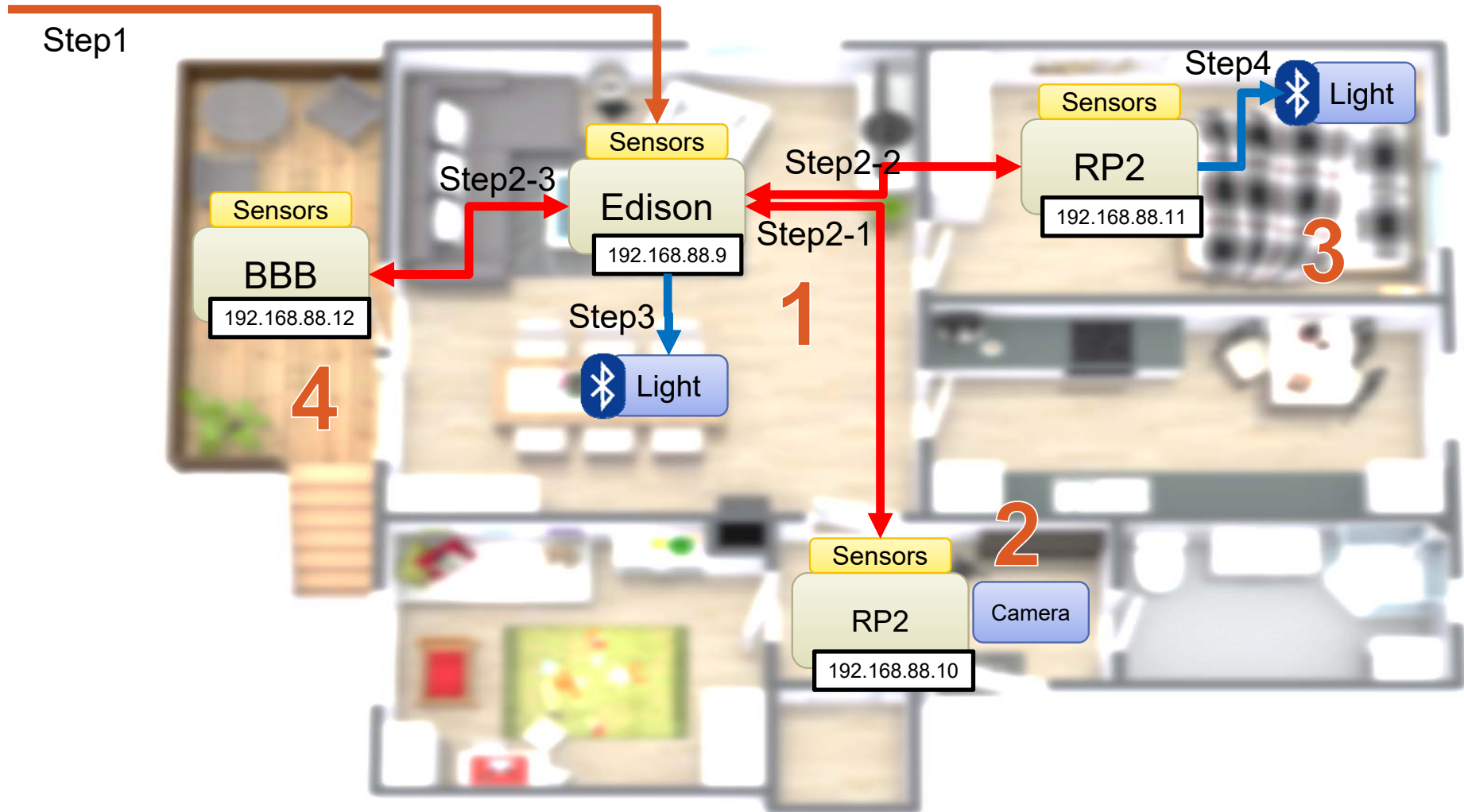
- (1) Sensing – Light level, Temperature, Humidity
- (2) Actuator – BLE Light blub, ~~WiFi plug~~

(4) Terrace (BBB)

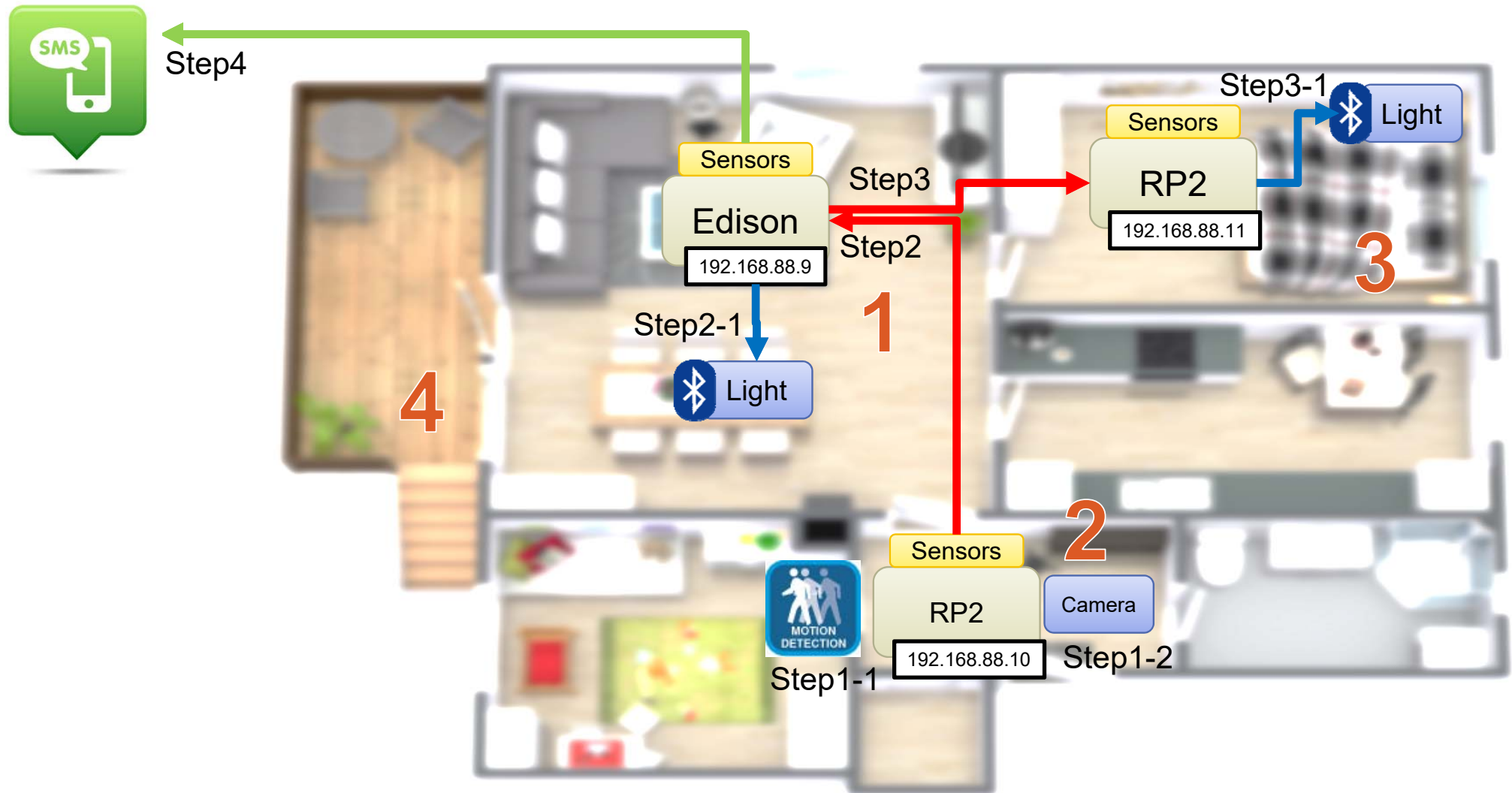
- (1) Sensing – Light level, Temperature, Humidity
- (2) Actuator – WiFi Plug



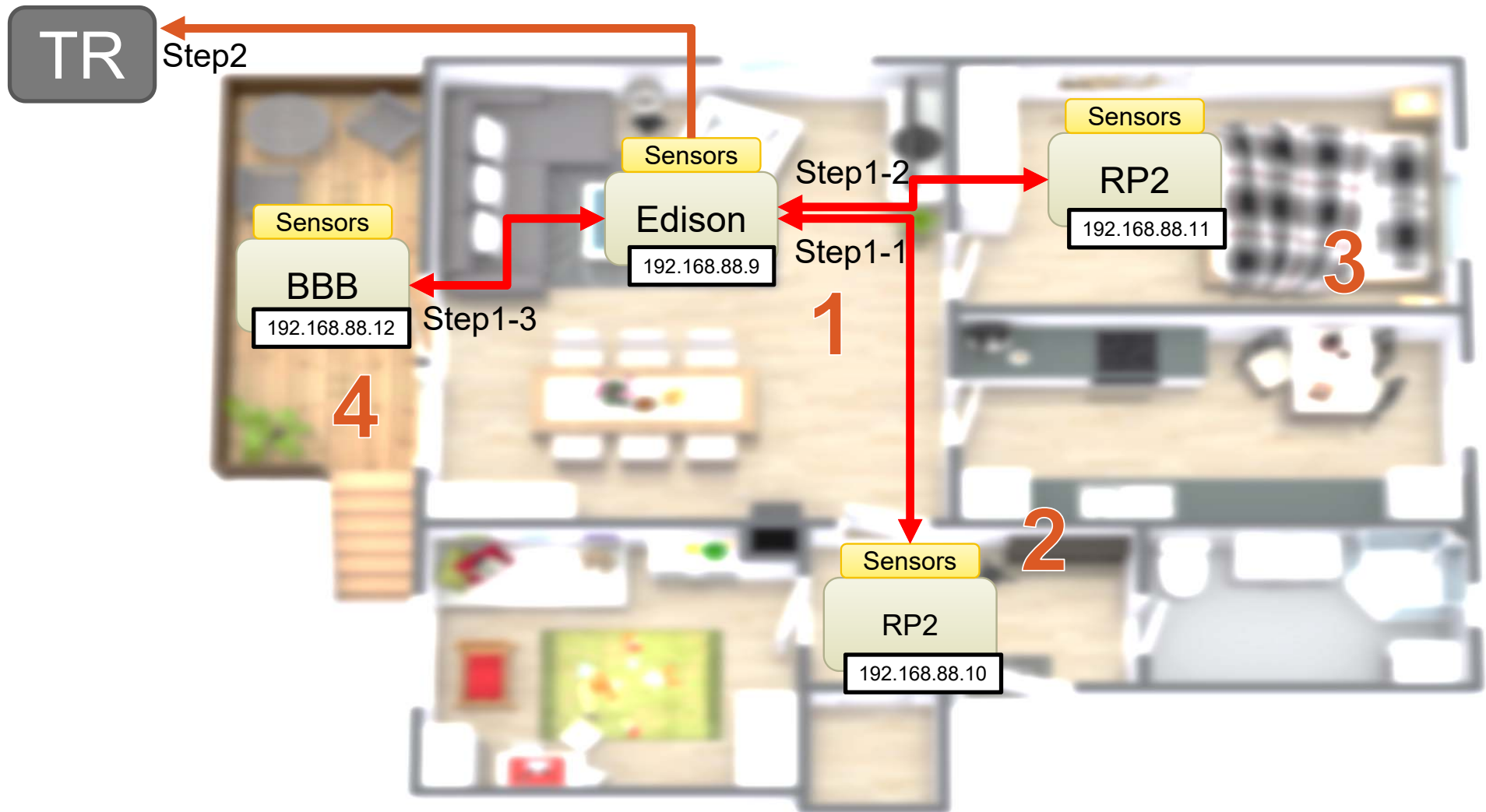
DEMO CASE 1 - GATEWAY BASED CONTROL



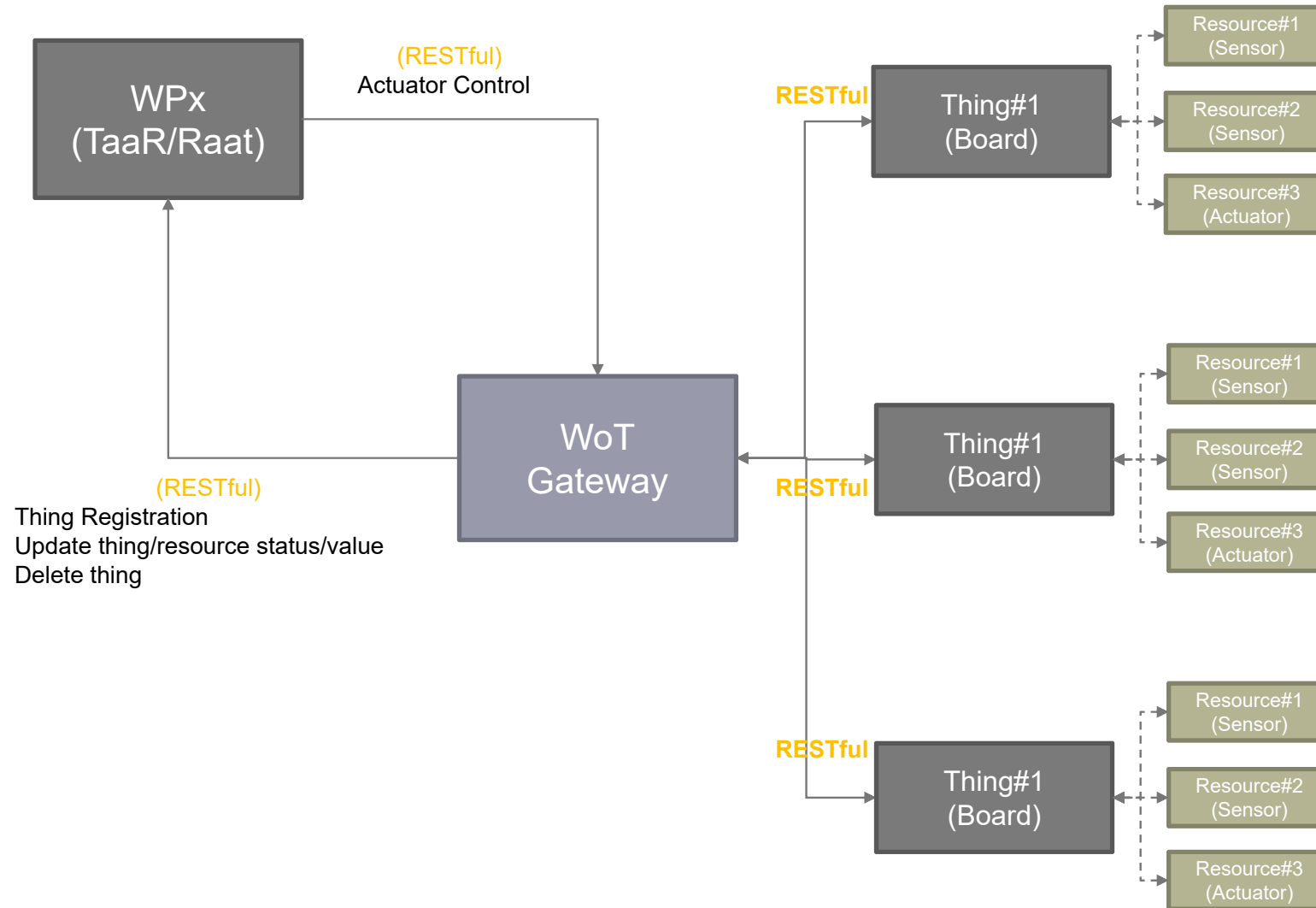
DEMO CASE 2 - AUTOMATIC LIGHT ON



DEMO CASE 3 -THING REGISTRY



DEMO CASE 4 – COMUS INTEGRATION



FUTURE - SWOTA MODEL

