Tizen devices connected with IoTivity

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SAMSUNG Open Source Group
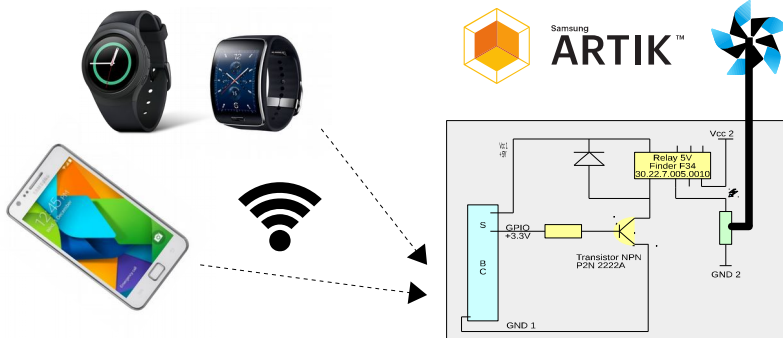
What is demonstrated

IoTivity

Seamless device to device connectivity framework

TIZEN

Linux-based software platform for consumer electronics

Demo: "Tizen DIY IoT Fan" controlled by devices
- Server: Tizen:Common on ARTIK dev board
- Clients: Native Tizen app (C++/EFL) on products

Hardware Information

ARTIK 10 (Exynos 5422 http://elinux.org/ARTIK)
Z1, Gear S (https://wiki.tizen.org/wiki/Devices)

What was improved

Tizen:Common 2016
- ARTIK 5 & 10 as latest reference devices
- Graphics: Enlightenment on Wayland

IoTivity 1.2.0
- Notification service
- Cloud features
- OS Support (Windows)
- CoAP (TLS, HTTP)
- UPnP bridge
- Extending support:
  - New OS: Windows, macOS
  - Linux: Tizen, Yocto, Debian, WRT...
  - Hardware: x86, ARM, RPi, MCU (Arduino)

Yocto project efforts (meta-oic, meta-artik...)

yocto PROJECT

Source code or detail technical information availability
https://wiki.tizen.org/wiki/User:Pcoval
https://wiki.iotivity.org/community