Welcome to IoTivity Developer Day

Introduction:
Mark Skarpness, Intel VP & Director Embedded Operating Systems
IoT Challenges

- IoT APIs are rarely re-used
- They are brand-unique
- Communication methods are individually developed

Cost

Quality

Apps & Services
The Goal of OCF + IoTivity

Compatible communication across verticals spanning simple & sophisticated devices

Designed with Security from the beginning
Diverse Verticals & Transports

Profiles
- Consumer
- Enterprise
- Industrial
- Automotive
- Education
- Health

Framework
- Discovery
- Data Transmission
- Data Management
- Device Management
- Security, Identity & Permissions

Transports
- Bluetooth
- Bluetooth (Smart)
- WiFi Direct
- WiFi
- LTE
- Remote Access
- Cloud
- ZigBee

IoTivity
OCF Sponsors IoTivity Project

OCF at 175 Members and Growing

IP coverage among members on entire spec for certified product, regardless of contribution

Develops reference implementation of the OCF specification

No need to be an OCF member to use or participate - standard Apache 2.0 contribution-based patent grant
PC World Feb 19, 2016 - Another IoT group? OCF may really be the one to make it all work... the Open Connectivity Foundation, could have the critical mass to make all embedded devices in homes and enterprises talk to each other.

Forbes.com Feb 19, 2016 - Chip making rivals Intel and Qualcomm want to finally play nice in the “Internet of Things.” For the past few years, the two companies have led separate and competing standards groups around the growing billions... of connected light bulbs, thermostats, cars and more. Now the two will begin collaborating with each other under OIC’s new name: the Open Connectivity Foundation (OCF).

FierceWireless.com Feb 19, 2016 - There's a new Internet of Things group today - the Open Connectivity Foundation (OCF), but it's designed to unify the industry, not add to the fragmentation, and instead of pitting Intel and Qualcomm against one another, they're joining forces.
Current Status

• OIC specification 1.0 released (2015)
• IoTivity version 1.0 released (2015)
• First products shown at CES 2016

• Protocol Plug-Ins for Legacy IoT (non-Native OCF Devices)
  • Developed and in IoTivity: Philips Hue*, ZigBee**
  • Developed awaiting inclusion: LIFX*, Nest*, Honeywell Lyric*
  • On Roadmap: AllSeen*, UPnP*

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**ZigBee Home Automation 1.1 Certified devices are able to be connected via OCF
Agenda for the Day

**OCF Presents: IoTivity Developer Day**

9:00am – 10:00am  Registration and Networking Hour
10:00am – 10:20am  Opening Welcome and Keynote
10:20am – 11:00am  OCF Fundamentals
11:00am – 11:15am  *AM Break
11:15am – 12:00pm  IoTivity’s Architecture
12:00pm – 1:30pm  *Lunch
1:30pm – 3:00pm  Hands-on 101
3:00pm – 3:15pm  *PM Break
3:15pm – 4:45pm  IoTivity and Further Capabilities
4:45pm – 5:00pm  Closing
Developer Call To Action

• OIC 1.0 and IoTivity 1.0 are ready for products today

• We are actively working towards 2.0 – now is the time to influence the next generation
  • Participate in developing the reference implementation – via IoTivity (https://www.iotivity.org/get-involved)
  • Participate in creating the specification and certification program – via OCF (http://openconnectivity.org/join)
  • Participate in developing the OCF data models - using the OneIoT tool (https://www.oneiota.org)
Thank You for Coming

• We hope your IoTivity Developer Day is worthwhile