



OMA LWM2M2 WORKSHOP

San Diego Jan 2016

Joaquin Prado – OMA Director of Technical Programs



9:00 – 9:30 am	Registration	(30mins)
9:30 am	Start	
9:30 – 9:45 am	Agenda & Introductions	(15mins)
9:45 – 10:30 am	Hands-on LightweightM2M	(45mins)
10:30 – 12:00 pm	Arduino (Yun)	(1h 30mins)
12:00 – 12:30 pm	Lunch	(30mins)
12:30 – 2:00 pm	Sierra Wireless (MangOH)	(1h 30mins)
2:00 – 2:45 pm	Adhoc testing and questions	(45mins)
2:45 – 3:00 pm	Wrap-up	(15mins)

- **Arduino**
 - Tenaya Hurst, Arduino Technical Expert

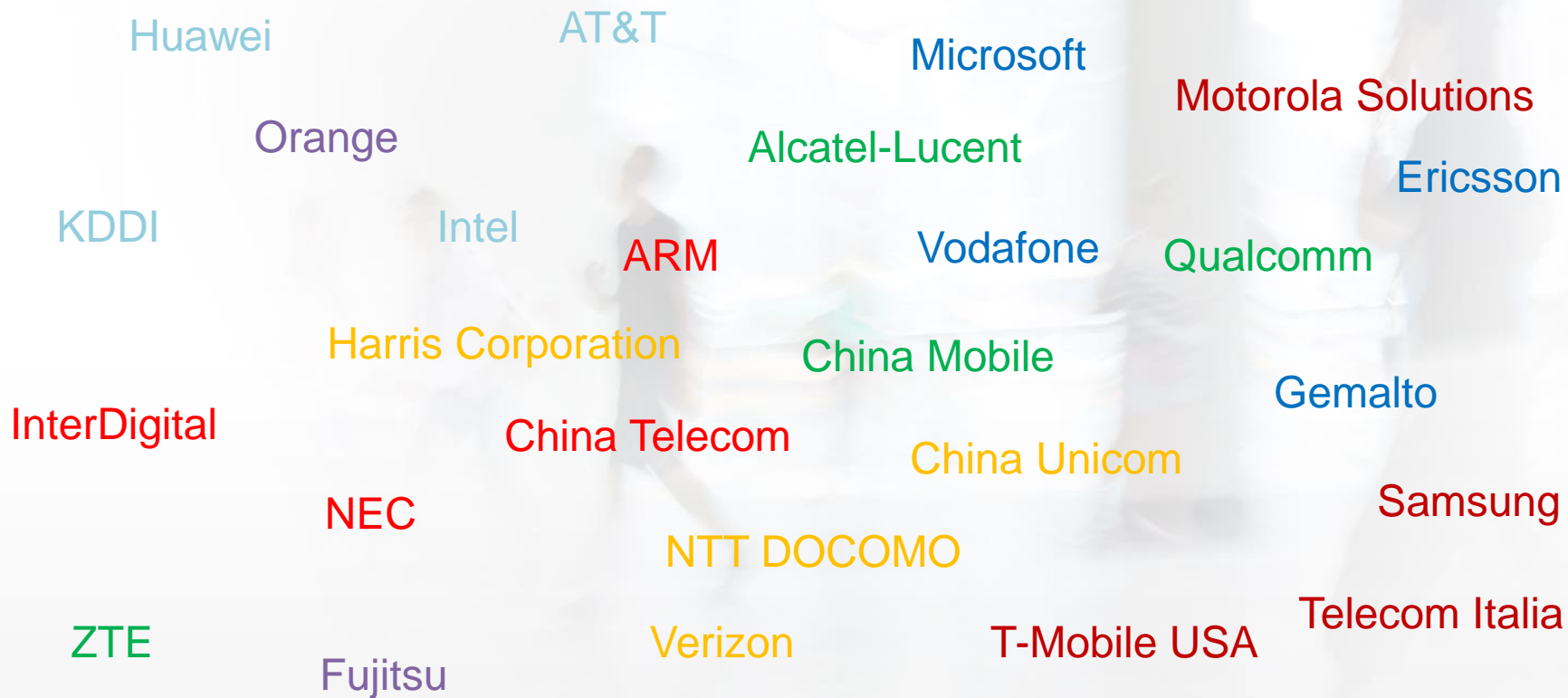
- **Sierra Wireless**
 - Julien Vermillard, Senior Software Developer
 - Manuel Sangoi, Software Developer
 - Pierre Henri Trivier, Software Developer

- **OMA**
 - Megan Leonard, Events Manager
 - Sean McIlroy, Product Manager
 - Isabella Cai, Chine Market
 - Pascal Van Klaveren, IT Support
 - Elizabeth Rose, Communications Director
 - Joaquin Prado, Technical Director



Open Mobile Alliance

WHO IS OMA?

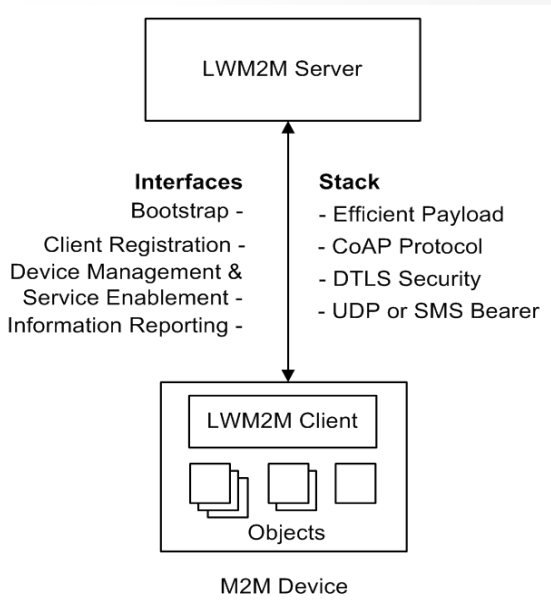


Huawei
AT&T
Microsoft
Orange
Alcatel-Lucent
Motorola Solutions
KDDI
Intel
ARM
Vodafone
Qualcomm
Ericsson
Harris Corporation
China Mobile
Gemalto
InterDigital
China Telecom
China Unicom
Samsung
NEC
NTT DOCOMO
ZTE
Fujitsu
Verizon
T-Mobile USA
Telecom Italia

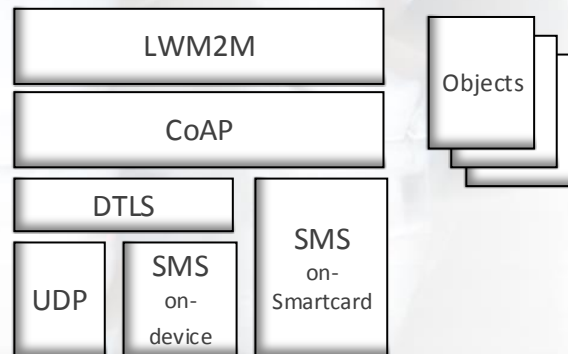
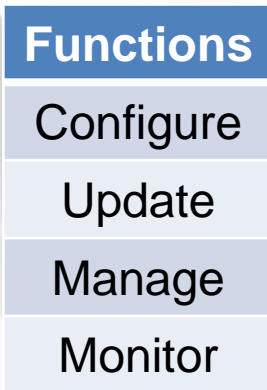
... and more

Abbr	Description
MMS	Multimedia Services
CP	Client Provisioning
DS	Data Synchronization
DM	Device Management
DRM	Digital Rights Management
LwM2M	LightweightM2M
SUPL	Secure User Plane
Push	Push
PoC	Push to talk over Cellular
... over 200 Enablers developed in near 14 years	

Lightweight M2M enabler defines the application layer communication protocol between a LWM2M Server and a LWM2M Client, which is located in a LWM2M Device (constrained device).

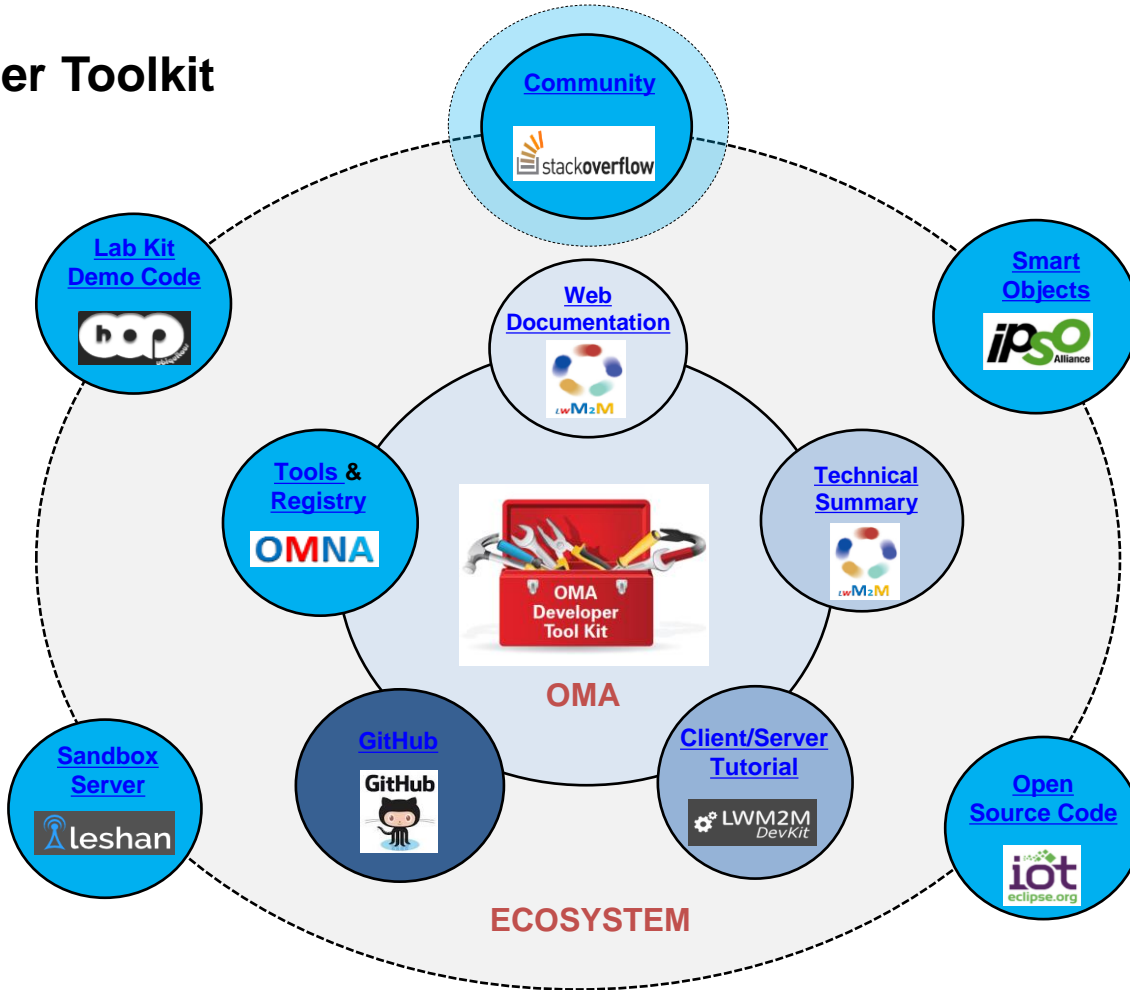


The overall architecture of the LWM2M Enabler.



The protocol stack of the LWM2M Enabler.

OMA Developer Toolkit



<https://github.com/OpenMobileAlliance/OMA-LwM2M-Public-Review/wiki>

Introduction to LightweightM2M

9:45 – 10:30 am (45mins)

Arduino (Yun)

10:30 – 12:00 pm (1h 30mins)

Lunch (30mins)

12:00 – 12:30 pm

Sierra Wireless (MangOH)

12:30 – 2:00 pm (1h 30mins)

Adhoc testing and questions

2:00 – 2:45 pm (45mins)

Wrap-up

2:45 – 3:00 pm (15mins)



Thank You!