



The oneM2M Platform as an enabler for telecom operators

Group Name: <targeted audience>

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Agenda Item: <agenda item topic name>

Deployment history

- Legacy Platform since 2008
 - Legacy Protocol(TCP based)
- ETSI TC M2M based M2M Platform
 - Commercialized in 2012(Open M2M Platform)
 - REST API open to public
- oneM2M based IoT Platform
 - Developed from 2012 to 2014

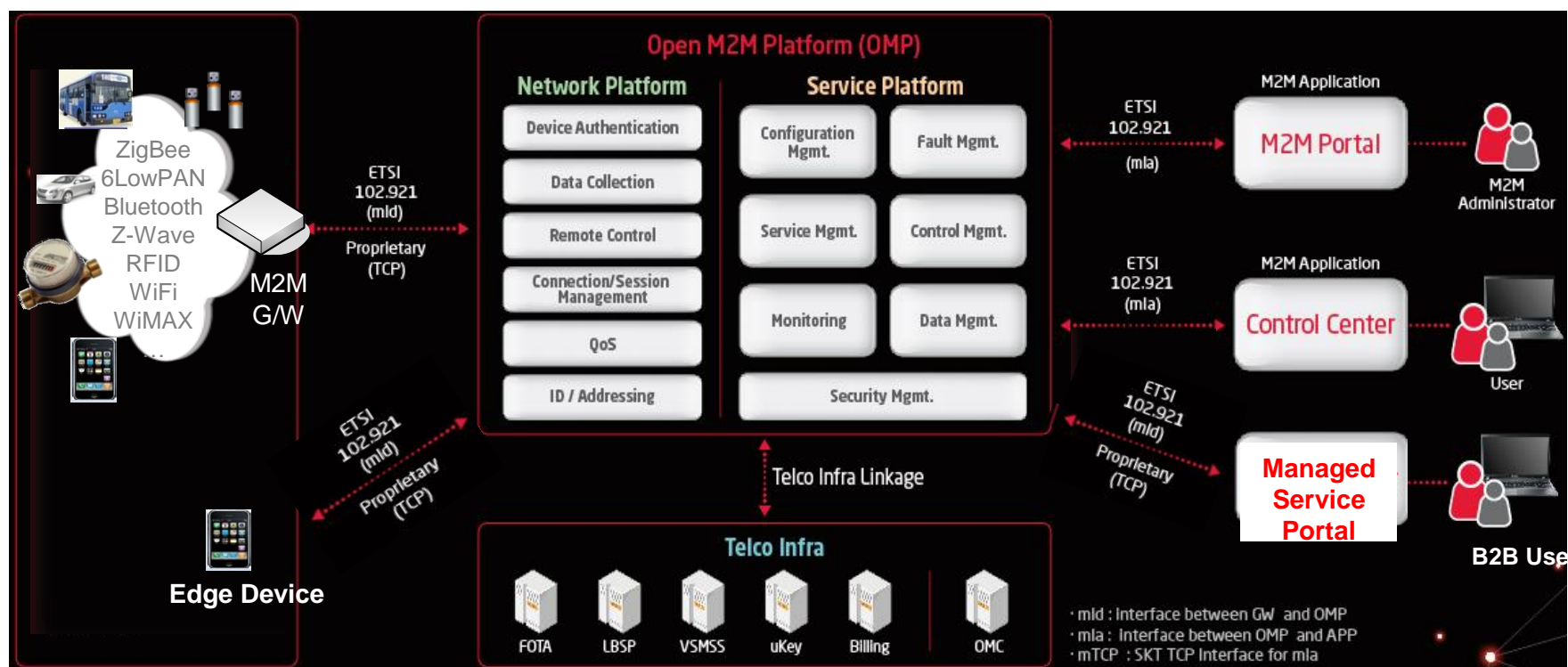
Open M2M Platform

- Started for B2G & B2B biz(2012)
- Supporting CDMA/WCDMA/LTE & Wi-Fi NW
- Testing Env, SDK for device & app
- Services
 - Criminal Tracking(B2G)
 - T-Car, Public Bus mgmt
 - Senior Citizen Care Service(B2G)
 - Weather forecasting Service(B2G), etc.

Open M2M Platform

Connectivity b/w M2M Terminal & P/F

M2M common service components

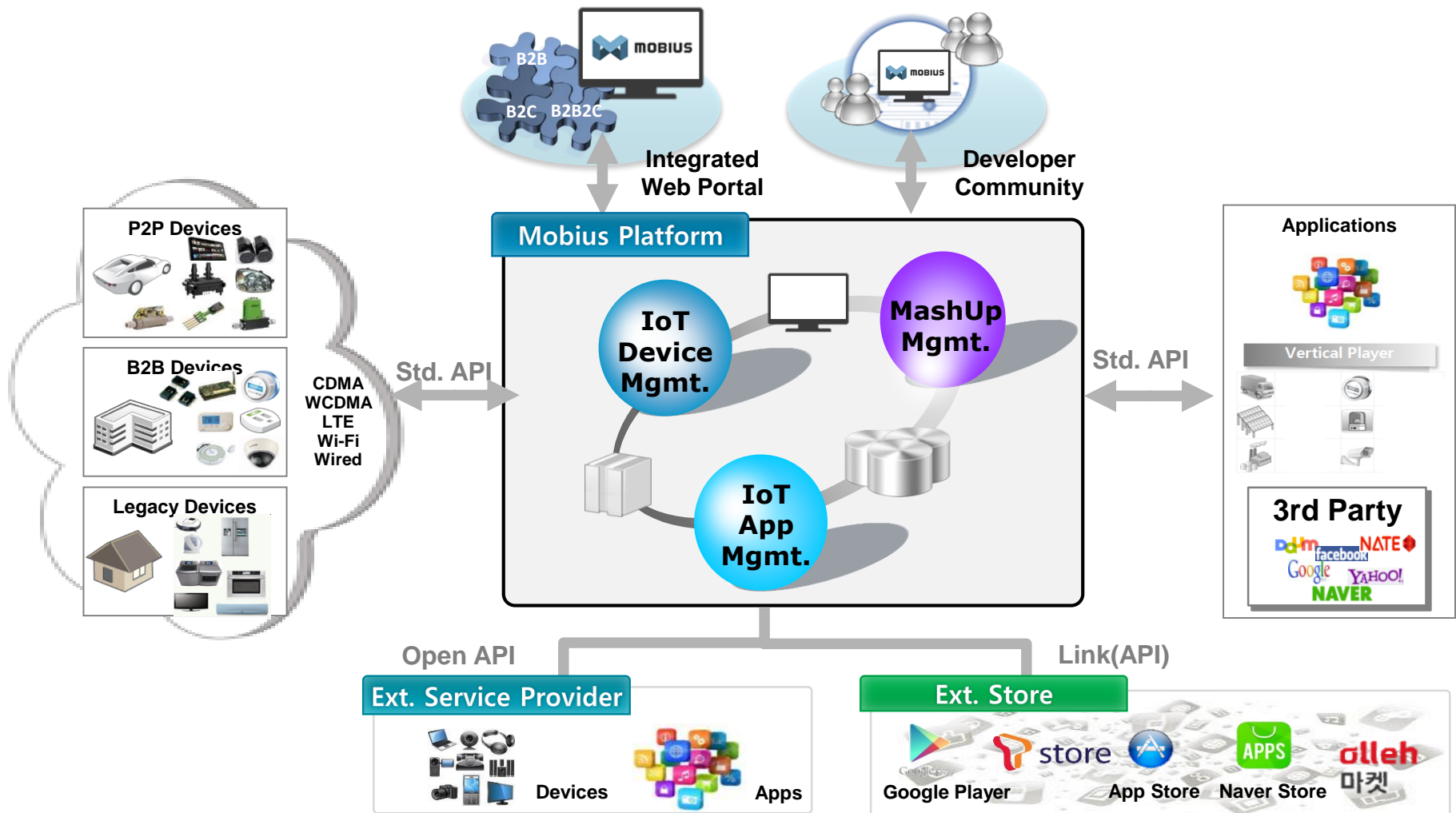


oneM2M based IoT Platform



- Mainly focused B2C biz(from 2012)
- Supporting CDMA/WCDMA/LTE & Wi-Fi NW
- Currently developing
 - Release candidate 1 & CR
- Platform components
 - Device Mgmt. & Searching
 - Mashup API
 - App-store

oneM2M based IoT Platform



Benefits using oneM2M Spec.

- Simple(Flat) resource model
- Short/definite API length
 - ETSI TC M2M : Scl-base/scls/<scl>/attachedDevices/
<attachedDevice>/containers/<container>/
contentInstances/<contentInstance>
 - oneM2M <CSEBase-ID>/<remoteCSE-ID>/
<Container-Name>/<contentInstance-ID>
- Globally unique identifier(not yet)
- Proper for B2C business(experience)

Issues

- Security(not completed)
 - If IPv6
- Scoping & Filtering for Service
 - Massive operation
- More Protocol Binding

Future plan

- Commercializing IoT Platform on 2015
- Integrating two platform within 2015
 - ETSI TC M2M based Platform for B2B & B2G
 - oneM2M based Platform for B2C
- Planning IoT market-place for building ecosystem