

The Web for Smart Objects

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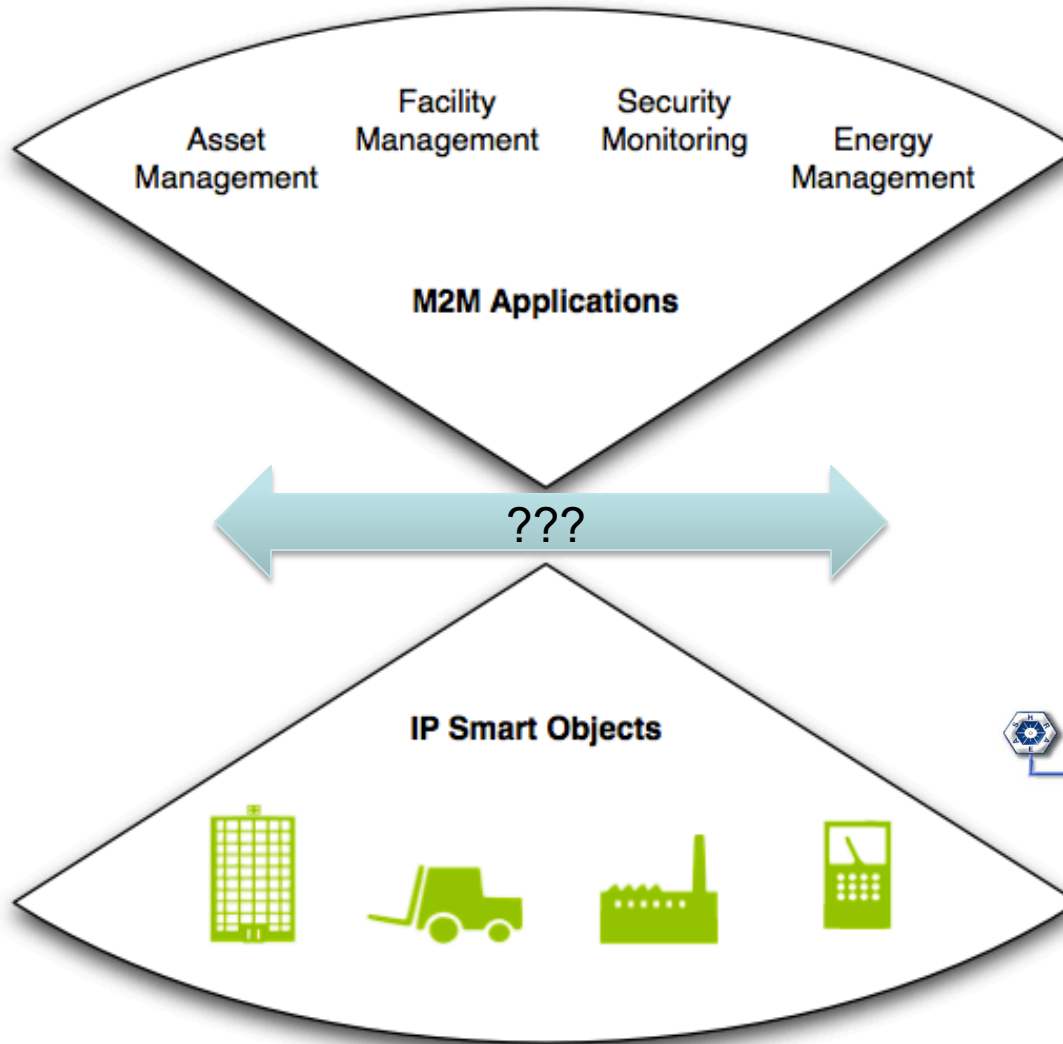
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The Web of Things



I E T F®

CoRE
Web Linking
JOSE
TLS
SenML
HOMENET
LWIG



Developers



WoT Building Blocks

- The IETF should **enable** the Web of Things
 - IETF = Horizontal building blocks
 - Others = Vertical applications & profiles
- Efficient yet standard protocols
- Optimized security toolbox
- Smart object data formats (like SenML)
- Identity, discovery, directories, search
 - Web Linking is a great framework
- Applicability for verticals

Challenges

- Tussle: Web Search vs. DNS
 - Some want DNS-SD for WoT resource lookup
 - Yet the Web today is all links and search
 - How to unify these worlds?
- Tussle: Centralized vs. distributed
 - How to design mechanisms for both?
- Threat: People turn this into an IMS of Things
 - IETF needs to give enough of a sane solution
 - Let's give sound blocks/advice for other SDOs