



Achieving Advanced Mobile Services through Open Source Innovation

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Open Source in Mobile

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- Overview of Open Mobile Alliance
- OMA and the Open Source Community
- Conclusions

OMA Vision

“ No matter what device I have,
No matter what **service** I want,
No matter what **carrier** or **network** I'm using,
I can **communicate, access** and
exchange information.”

Open Mobile Alliance (OMA)

- An international organization developing open, market driven, interoperable specifications for global adoption of mobile data services
- Created June 2002 by leading mobile operators, device and network suppliers, information technology companies, content and service providers – the entire mobile value chain
- Organized by combining many existing smaller industry organizations to work under the OMA umbrella
- Approximately 350 OMA member companies represent a global organization with members from all regions
- OMA is agnostic to network, operating system and development environments

OMA Deliverables and Value

- OMA develops specifications and encourages interoperability at the application level
 - Broadcast Services, Digital Rights Management, Mobile Location Services, Games Services, Device Management, Advertising and Messaging
- Scope of OMA specifications reaches beyond mobile market
 - Applicable to IP based networks both fixed and mobile
 - Consumer Electronics devices
 - Traditional PC and telephone environments
- OMA avoids duplication, divergence and fragmentation
 - OMA has an extensive network of liaison relationships
 - W3C, 3GPP, IETF, Java Community Process, Web Services Interoperability Organization, WiMAX Forum, LiPS and others

OMA Tests Interoperability

- OMA verifies interoperability of its specifications, stability and quality in a multi-vendor, multi-operator and multi-content provider test environment
 - More than 1300 product implementations tested to date
 - 5 to 6 testing events per year
- Supporter level members can bring new products and services to a trusted environment with real world client/server contact
 - Testing results in problem reports incorporated back into OMA Work Program

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Open Source

- Open source implementations typically grow through a dynamic collaborative process
- Open source implementations are volunteer based and flexible in structure
 - Community-oriented, interactive, incremental and organic
- Open source implementations emphasize sharing of experiences and experimentation
 - Planning and formal design can slow the process
- Open source development brings ideas to life in an open and innovative environment

Innovation and Advanced Services

- Developers from small and medium size organizations contribute significantly to innovation
- They are often committed to open source solutions wherever possible
- “Death by a thousand cuts...” **Jim Zemlin**, Executive Director, **The Linux Foundation**, USA
 - Open source fragmentation is a real possibility
- Wide adoption of new services requires planning and industry commitment to quality and reliability
 - Market driven requirements
 - Maintenance and Evolution

Why is OMA at OSIM?

- Dialogue with the most innovative members of the mobile community
 - Developers need standards they can implement
 - Educate SMEs to understand the standards landscape
- OMA wants to make sure it's reaching the communities that can benefit and contribute to our work
 - Are OMA enablers relevant to the innovative technologies currently in development?
 - Are developers able to use these enablers?
- Scope and scale of OMA work unfamiliar to many in the Open Source Community
 - OMA would like to build relationships and invite contributions and feedback
 - How can OMA encourage open source development?

Samples of Open Source Implementations of OMA Specs

- Sourceforge projects:
 - SyncML (Funambol)
 - OpenIPMP (DRM solution)
 - Sync4Net (OMA DS/DM)
 - mcDeviceManager (Java Midlet DS/DM)
 - OMA-Client (POC)
 - Smart Open IMS (OMA service enabler)
 - OpenMMSC (OMA MMS 1.2)
 - Mobile User Agent Profile Library (UAPProf)

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Conclusions

- OMA's mission is to facilitate the global adoption of mobile data services
 - SMEs and open source are important to develop advanced mobile services that the market will adopt
- OMA is looking at ways to engage with your community directly
 - OMA members and technical experts are distributed globally
 - OMA meetings occur regularly in all regions of the world

More Information

- OMA Topic Experts to address Open Source Communities
 - Stephen Jones, OMA Director of Communications, sjones@omaorg.org
- Full list of OMA Enablers
 - http://www.openmobilealliance.org/release_program/index.html
- List of upcoming test events and plenaries
 - http://www.openmobilealliance.org/about_OMA/events/omaevents.html