

MeeGo* OS for Tablets

MeeGo

For application, content, and service developers, MeeGo provides an unparalleled opportunity to maximize their investments.

The Role of the Operating System

Many tablet entrants have been delayed or unsuccessful in the market in part because they lack a compelling tablet-ready operating system. An operating system includes kernel, middleware, APIs and, in many cases, a complete user interface layer with applications. A compelling tablet OS must deliver an intuitive, stellar user experience for the consumer, not only in terms of its aesthetic look and feel, but also in terms of its extensible and compatible applications.

While there are a number of comparable operating systems available for devices, the MeeGo* OS distinguishes itself in two areas: 1) a radically unique user experience that makes the tablet “think like you do” and, 2) an open standards-based platform for developing an unfragmented and rich application ecosystem that can be reused across a product categories, architectures, and versions.

The MeeGo Tablet User Experience

The tablet user experience is radically different from existing devices out in the market today. It puts the person using the device at the center of the user experience—making the device “think like you do” and making the experience very personal. It is designed for the multi-tasking generation and capable of multi-tasking just like we do, switching from one task to another making the experience versatile. And, it has smart contextual panels and menus for more natural usage of content, such as when you tap and hold a picture, you have the option of printing, e-mailing, or uploading to a social network.

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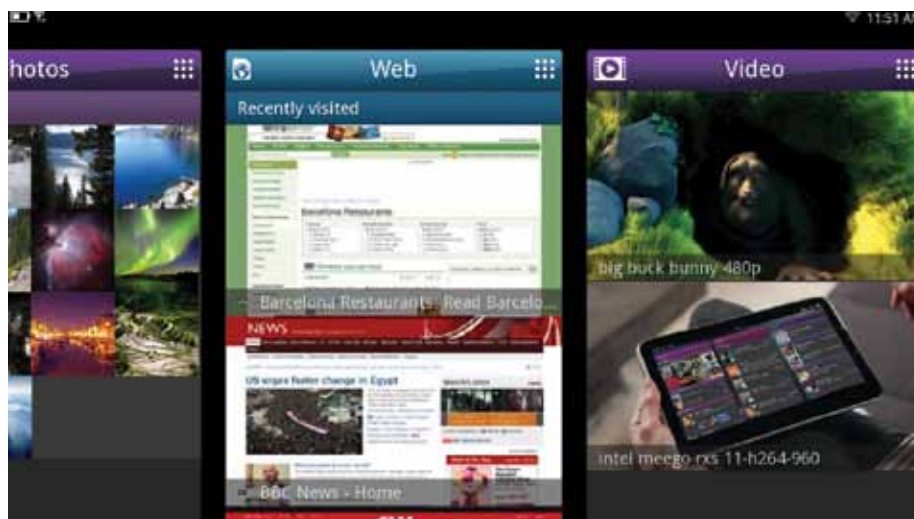
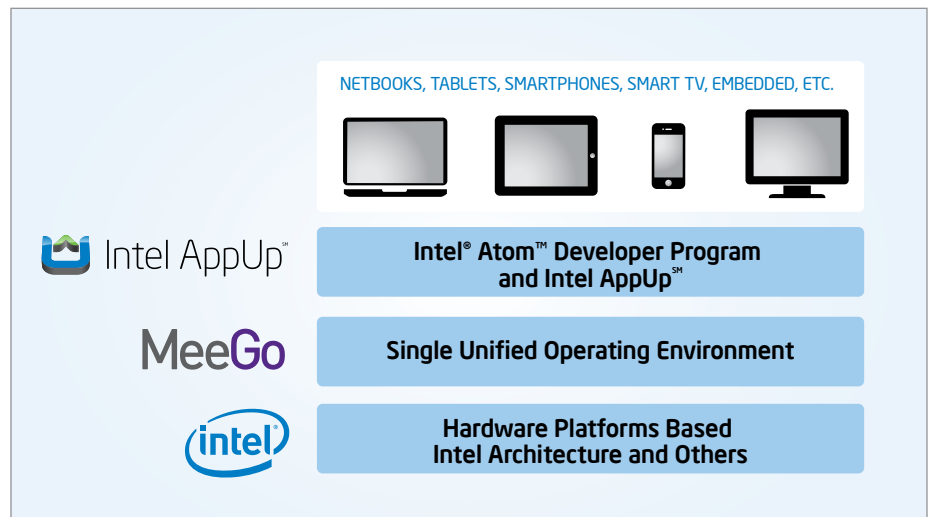


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The MeeGo Software Platform for Ecosystem Development

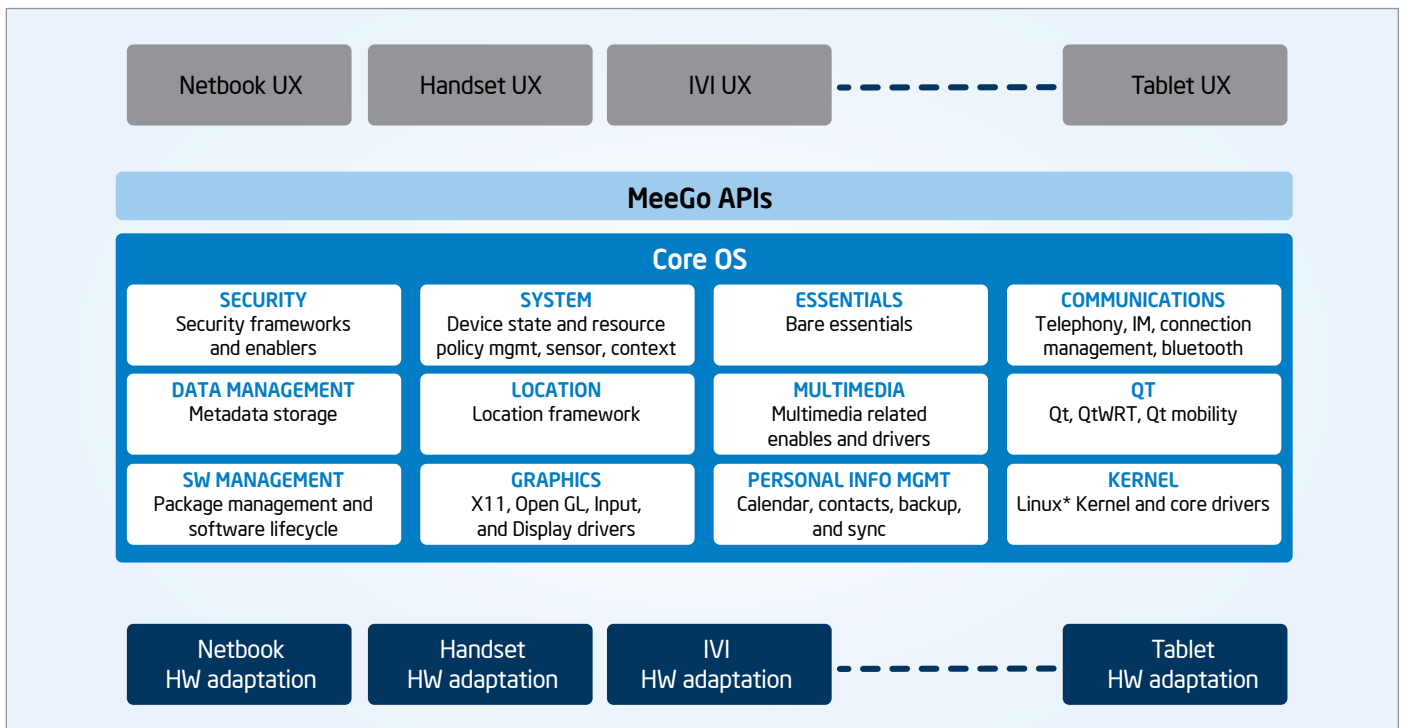
In an ideal world, software developers would choose one development environment, write their application once and reuse in multiple devices and marketplaces to maximize their investments. That is precisely what the MeeGo software platform is designed to achieve. MeeGo is a fully open software platform that supports a broad range of computing devices, including next-generation smartphones, netbooks, tablets, media phones, connected TVs, and in-vehicle infotainment systems. This coupled with the Intel AppUpSM Developer Program and Intel AppUp Center provides an avenue for developers to differentiate and monetize their investments. MeeGo is supported on both Intel® Atom™ microarchitecture and ARM architecture. However, MeeGo running on high-performance devices powered by the Intel Atom processor, will deliver a visually richer, immersive media, Internet, and communications experience.



Response to the MeeGo effort in the marketplace is strong. By the end of 2010 many OSVs including Novell, Linpus, Red Flag, Vietsoft, CS2C, TurboLinux, Pixart, Mandriva, Metasys, and Splashtop announced MeeGo-based operating systems. In addition, WeTab and IndiMixx have deployed tablets based on MeeGo v1.1. Orange and Telecom Italia announced plans to deliver connected services on MeeGo-based platforms. Spain's Telefonica will use MeeGo to deliver products across 25 countries where it operates, reaching around 265 million customers.

MeeGo Architecture and Capabilities

MeeGo is architected such that it has a single code base called MeeGo Core across multiple device segments. For each device segment, such as tablets, a reference distribution includes the MeeGo Core, Tablet User Experience, and hardware adaptation layer such as drivers.



MeeGo core capabilities

Key Features of MeeGo Core¹

- A software development kit (SDK) which makes application development easier. The SDK has tools for native application as well as runtime or web application development based on QT, QT Mobility, and Web Runtime. It also includes device specific emulators and support for developing on Windows* and Mac* OS X. The Gcc tool chain includes optimizations for the Intel Atom processor.
 - The MeeGo Core Framework provides a set of APIs to utilize the rich platform capabilities such as:
 - User Interface (UI) framework that expose capable of 2D, 3D, animation, and visually rich graphics
 - Enhanced Multimedia support for 3GPP streaming, HTTP progressive download, DLNA enabling devices to have multimedia streaming across devices and servers
 - Multi-touch, gestures and gyroscopic sensor support for touch UI, gaming, and other immersive applications
 - Communication framework with latest networking and telephony standards for voice and data connectivity via oFono and ConnMan
 - Connectivity support for WiFi direct, tethering through BT and USB, PPP over 3G
 - Social network framework
 - Enhanced security framework based on SMACK (Simplified Mandatory Access Control Kernel), Encryption for cryptography, signing, and ID of software components and more
 - Device and data management with backup and restore mechanism
- For more specific information on features, go to <http://bugs.meego.com> and search for "MeeGo Features" and "ACCEPTED."

MeeGo Working Model

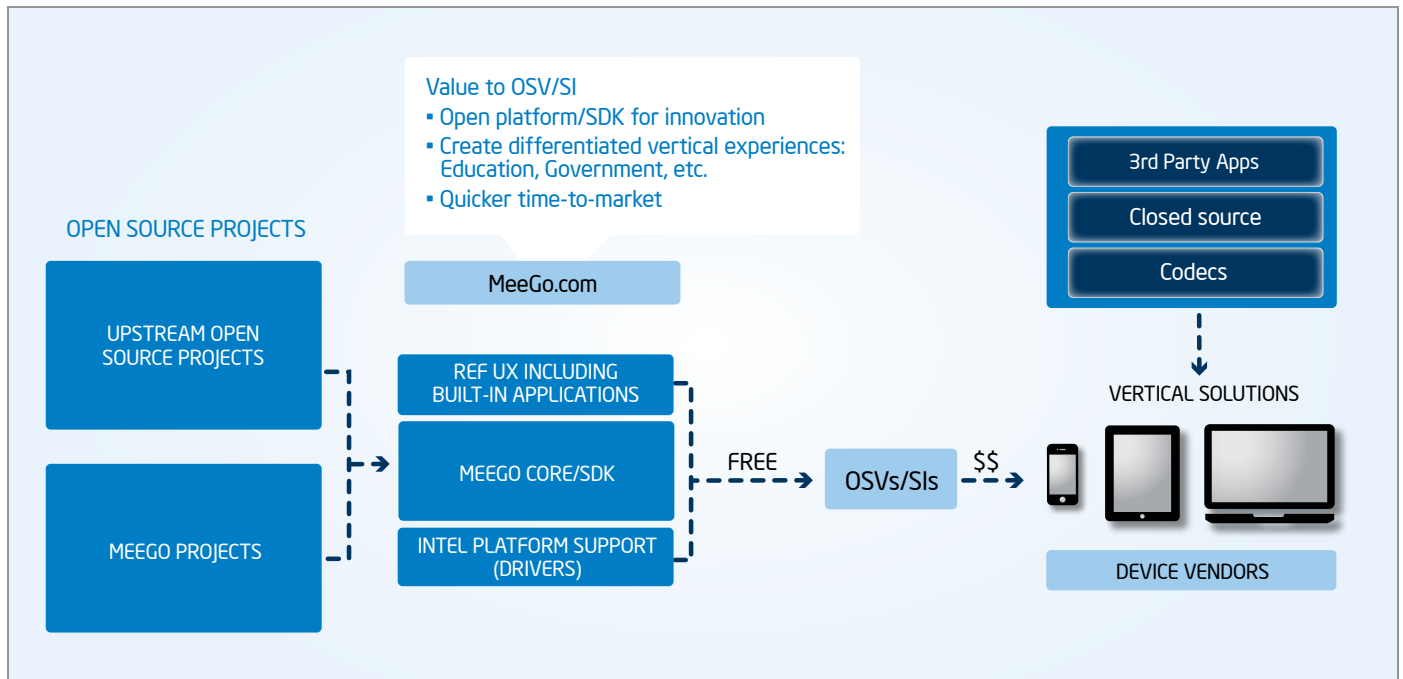
MeeGo provides a framework of open source technologies. At periodic given snapshots in time, MeeGo build and integration team will release a community distribution of MeeGo for Tablets that is validated on reference hardware. Since this is a "project" and not a "product," the support comes from the MeeGo.com mailing lists and community forums. Commercially licensed and supported MeeGo products come from Operating System Vendors such as Windriver Systems, Linpus, Splashtop, and Novell. The commercial products integrate third party code and licenses and provide a customized build for the OEMs.

Conclusion

For application, content, and service developers, MeeGo provides an unparalleled opportunity to maximize their investments. The MeeGo platform provides rich capabilities for the next generation of smart devices exposed to a single set of APIs and SDK. The MeeGo platform is based on open standards allowing scalability across device segments, architectures, and marketplaces. For OS and Device Vendors, MeeGo's unique next-generation tablet user experience offers customization opportunities to create market specific differentiated products and services.

For more information about MeeGo, visit:
www.meegozone.com
www.meego.com

MeeGo Development Model



¹ For specific versions check on MeeGo.com releases

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