

UManage is a highly customizable, Open Mobile Alliance (OMA) standards based Device management client solution that enables firmware and application management (query, update, configuration) of mobile devices Over-The-Air

About UManage

The ubiquity of mobile devices has necessitated a centralized control and management framework, where operators and device manufacturers can query, configure, troubleshoot and update devices without any manual user intervention. UManage from United Mobile Apps, provides a comprehensive Device management client solution, based on OMA DM 1.2.1 standards to update firmware and manage applications over-the-air, reliably and securely.

Built with embedded systems in mind, UManage has low memory and CPU footprints and comes highly customizable with the flexibility to add new Management Objects with low turn-around times. UManage has been tested with widely used open source DM Servers.

Functionalities Supported

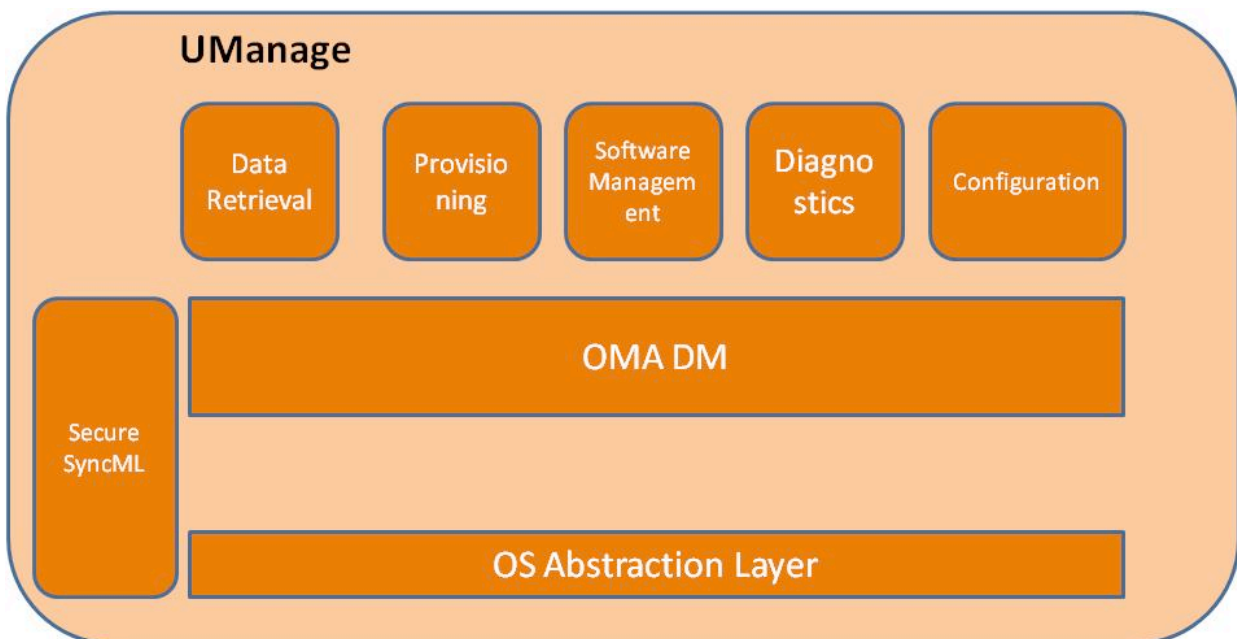
DevInfo and Devdetail	Get Device information such as device ID, manufacturer, hardware. Firmware versions, support for large object handling etc.
Large Object Handling	Ability to send and receive large chunks of data – an essential component that enhances performance
Firmware Management	Manage and upgrade firmware over the air
Software Component Management	Manage Software Components – remote delivery, Installation and Updates
Push Notification	Ability of the Client to initiate transactions with the server
Remote Diagnostics	Perform remote checks on the system and take necessary actions
Remote Service Provisioning	Provision subscriber service remotely without any manual intervention



Salient Features

- Full implementation of OMA DM 1.2.1 standard and tested with popular DM server
- Lightweight, low memory / CPU footprint design with very fast SyncML parsers
- Widely used, highly stable SyncML implementation (essential part of UManage) – used in over 126 countries
- Designed for quick customization with the ability to incorporate any new MO
- Retrieve device data such as diagnostics and inventory
- Perform Device Lock & wipe and device reset
- Revertible Firmware Upgrades*
- FOTA rollbacks to previous versions*
- Quality of Service Monitoring*
- Customizable User Interface
- Perform Data Synchronization
- Service Provisioning with OTA and factory bootstrap (Bootstrap profile: DM)
- Secure and Reliable – Supports HTTPS
- Portable across platforms – Written in ANSI C and includes OS abstraction layers

*requires device API support





Standards Followed

- OMA DM 1.2
- FUMO 1.0
- SCOMO 1.0
- LAWMO 1.0
- OMA Device Management Bootstrap, Version 1.2.
- OMA DM Device Description Framework DTD, Version 1.2*.
- OMA Device Management Notification Initiated Session, Version 1.2.
- OMA Device Management Requirements Document, Version 1.2.
- OMA Device Management Representation Protocol, Version 1.2.
- OMA Device Management Security, Version 1.2.
- OMA Device Management Standardized Objects, Version 1.2.
- OMA Device Management Tree and Description, Version 1.2.
- OMA Device Management Tree and Description Serialization, Version 1.2.

Why UManage?

- Reduce Time-To-Market
- Standards based – will integrate with any OMA DM server
- Highly customizable design – Entirely hand coded with no open-source components
- Option to bundle with UConnect – 3G/ 4G connection manager from UMA
- Competitively priced with several licensing options
- Customer support plans

Operating Systems Supported

Windows 7, Windows XP, Windows Vista, Mac OS X, Linux, Android



United Mobile Apps Pvt. Ltd is a Bangalore based company that develops solutions for Mobile data access and device management. United Mobile's Award winning Data Synchronization solution is ranked among the top five in the world, and is used in over 126 countries in thousands of mobile devices. The company is ranked among the top ten emerging mobile software firms in India.



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