

XTNDAccess Data Sync SDK A Data Synchronization Toolkit

BENEFITS

- Small code base enables developers to implement SyncML in memory-limited devices such as cellular phones, smart phones PDAs and telematics platforms
- Shortens time-to-market and increases return on investment by reducing development costs and testing cycles
- Enables developers to focus on applications, data transports, and system integration

XTNDAccess Data Sync SDK is a full-featured toolkit that enables developers to implement Open Mobile Alliance™ Data Sync (SyncML) compliant protocols into a wide range of embedded devices. OMA Data Sync is an open standard for synchronization which enables files to be synchronized between a client (mobile) device and a server. iAnywhere's toolkit provides both client and server components providing a developer with a comprehensive solution.

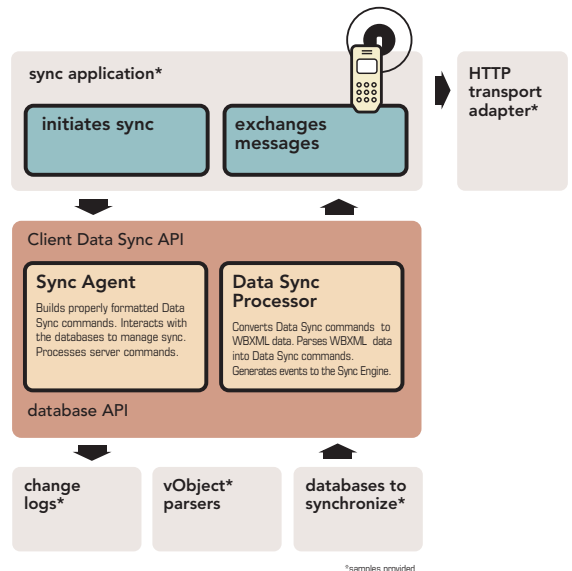
CLIENT DATA SYNC

Designed for client devices such as cell phones, smart phones and personal digital assistants (PDAs), the kit provides a client implementation of the OMA-DS protocol for synchronizing mobile databases with a server device. This component is optimal for mobile phone OEMs and allows developers to reduce development costs and shorten time to market.

Features

- Portable source code provided in standard ANSI-C
- Small code size (<30k ROM) optimized for memory limited devices
- O/S, Processor and Transport Independent
- OMA Data Sync 1.1.2 compliant including large object support
- WBXML parser optimized for Data Sync commands and data structures with debug output available in easy-to-use XML
- HTTP + OBEX transport adapter supported out-of-box
- Database independent APIs
- Sample applications including sample database(s) and change log(s)
- Comprehensive documentation including Data Sync client API, Database API, Exchange/Transport API, and Compilation API
- Certified compliant with Data Sync specification.
- vObject parsers for vCard, vCalendar, iCalendar support
- One-way sync from client and refresh from client
- Tested interoperability with Sony Ericsson

Client Data Sync Components



*samples provided

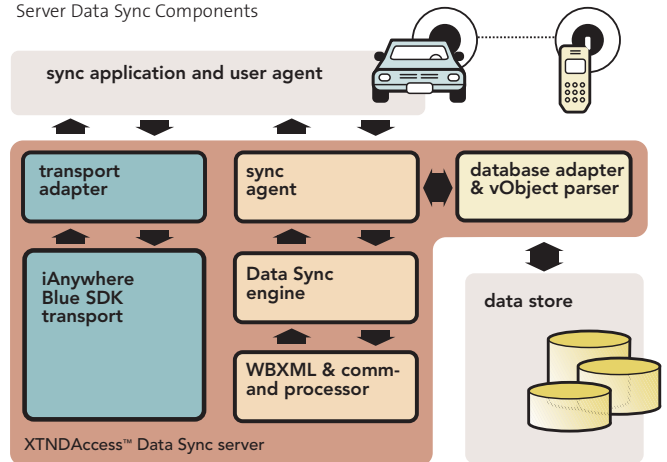
SERVER DATA SYNC

The server component provides a lightweight server implementation of the OMA-DS protocol for synchronizing mobile client databases with an embedded server device. This functionality is especially useful for Telematics providers for use in the head unit of an automobile, but can also have other applications.

Features

- WBXML processor (encoder/decoder) with Data Sync DTD support.
- OMA Data Sync v1.1.2 compliant server, supporting server-initiated synchronization.
- Capable of synchronizing a flexible set of data stores. A package of vObject parsers is included for exchanging the database records.
- US-ASCII and Quoted-Printable character encodings are supported.
 - Phonebook entries in text/x-vcard 2.1 format.
 - Task list entries in text/x-vcalendar 1.0 format.
 - Appointments in text/x-vcalendar 1.0 format.
- Portable ANSI-C code, compile time configuration options.
- Transport adapter for iAnywhere's Blue SDK v2.0 enabling synchronization over OBEX/RFCOMM/Bluetooth stack.
- One-way Sync from Client and Refresh from Client synchronization modes.
- API documentation for Sync Agent, Database Adapter & Transport Adapter.
- Tested interoperability with specific mobile phone models including Sony Ericsson K700.
- Spanning of large data store objects across multiple messages.

Server Data Sync Components



With iAnywhere's Data Sync toolkit, manufacturers can deliver on the promise of a connected world by enabling users to utilize industry standard methods for handling and exchanging information between mobile devices and data networks.

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