



UltraIB

Integrated Airport Messaging

Features

- Supports long term IT strategy
- Based on industry standard messaging technology using XML and Web Services
- Proven and flexible product solution gives lower project cost and risk
- User governance of the integration process and configuration of new interfaces
- High availability architecture with automated failure recovery

UltraIB provides a low risk, standards-based solution for the long term integration of airport systems, using proven integration services.

Ultra has created data integration services specifically to satisfy the needs of airport systems integration. These services conform to the Service Oriented Architecture (SOA) and can be reused by multiple systems.

Information distribution services include: active flights, seasonal flights, resource plans, reference data and aircraft ground movements.

Key Features

- Secure, modular, scalable and extensible infrastructure
- Provides a standard set of pre-implemented data integration services designed for reuse
- All XML message schemas architected for wide applicability and conforming to airport industry best practice
- Supports multiple standard protocols including JMS and Web Services (HTTP/ SOAP, WS-Reliable Messaging, WS-Security, WS-Policy) etc
- Software adaptors available for legacy systems and industry standard message brokers
- Configurable interface features including: message filtering, message transformation and data snapshots for recovery



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Other services include: active flights update, active flights request and query; AODB Alarm and visual paging updates; equipment fault management and reporting; meter reading, resource usage update and public address request.



The UltraIB approach substantially de-risks airport integration, since each new integration project is built on tried and tested services. The market leading Sonic ESB provides the underlying message transport and security features.

UltraIB ensures a centralised approach at all stages of the integration process including at the design stage, interface configuration stage and production stage.



UltraIB is used to loosely couple both Ultra applications and other suppliers' applications. The Ultra product suite of UltraDB, UltraFIDS, UltraResource and UltraIB provides the foundation for the flexible long term integration of airport systems.

When combined with Ultra's Project Management UltraIB provides a fast low risk integration solution.

The UltraIB uses a high performance messaging architecture and is scalable to manage messaging requirements for major hub airports operating 350 flights per hour.

The loosely coupled integration avoids supplier 'lock-in'; a common, enterprise-wide approach enables faster integration of a range of systems by re-using existing services.

The UltraIB includes airport-specific data integration services; architected and designed for solving airport integration issues.

Configuration of additional system interfaces brings plug-and-play control to airport staff.

User friendly Web Console for IB and interface monitoring, message tracking and control.

Security features include system authentication and service authorisation; integration with active directory and enterprise certificate authority; data and/or wire encryption.



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