



Reliable and secure XML data exchange across the ATI

SITA Type X Distribution Service removes the barriers to XML adoption, giving you all the benefits of a community-managed, future-proof data exchange service. Send and receive Type X messages without having to manage the compatibility with other messaging protocols and formats, such as Type B.

BACKGROUND

Refreshing an existing application

You need to ensure that you can continue to successfully exchange data with your partners. Your updated XML-based application needs to be compatible with those who can only read Type B.

Installing a new application

Any new application will likely be written in modern XML format, – but it may rely on data only available in a Type B format. You need something that can interact with different messaging protocols to get the required data.

New communities of data are large and diverse

You need a solution that works for a community of thousands of members, each with different skills, IT maturity and IT environments.

SOLUTION

SITA Type X Distribution Service is a managed messaging service that handles the complexity of XML adoption.

Features include:

- Based on XML technology, but with backward compatibility to Type B
- Rich content (attachments) and unlimited message size
- Compliant with IATA Type X standard
- Single connection communicates with the entire messaging community
- Message-based pricing
- Scalable, adaptable and flexible

BENEFITS

- Real time data transfer in XML format
- 99.92% service availability supports business continuity
- A single Type X connection gives customers access to the entire SITA messaging community (2,400+ companies)
- Limited upfront investment
- Simple per-message price and unlimited message size – no extra costs from large content-rich attachments
- Increases ROI by providing a single source of messaging data without having to use multiple vendors

RESULTS

Access to
2,400+
members of SITA's
messaging community

99.92%
service availability

How does it work?

SOLUTION COMPONENTS

1. SITA Type X Distribution Service

A fully-managed messaging service based on community messaging practices and attributes specific to air transport. These include group coding, open-bucket, storage, reliability and delivery priorities.

SITA Type X Distribution Service offers these with enhanced security, including: service authentication, encryption, non-repudiation and data integrity.

2. Data transformation

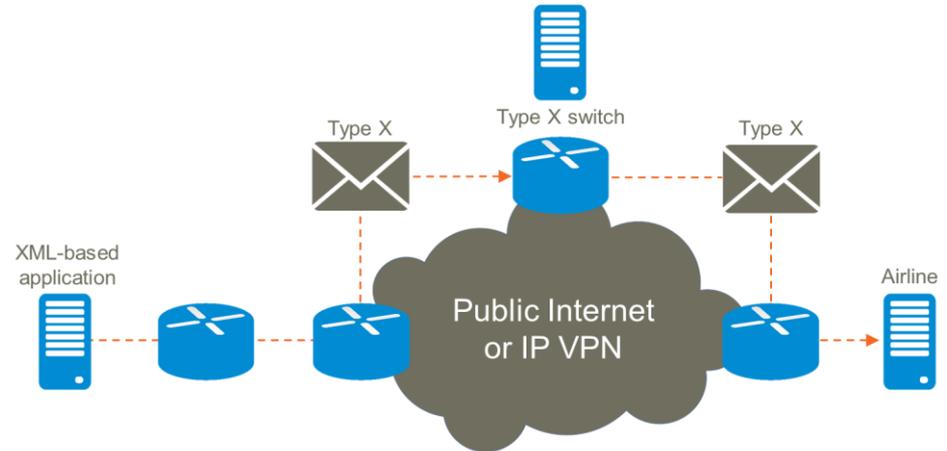
There are four optional data transformation services:

- Airport Operational Statistics (AOS)
- Passengers with Reduced Mobility (PRM)
- Advance Passenger Information (API) System
- Spec 2000

These allow industry players to receive operational data from their partners in a format that's easy to integrate into their back-end systems.

3. SITA Data Connect

SITA Data Connect is a standalone middleware package. It enables an application to send and receive Type X messages through a Type X connection to the SITA messaging infrastructure. It is an alternative to IBM's MQ product.



CASE STUDY

An airline using SITA's WorldTracer® baggage information repository (BIR) updated its local baggage information system to support XML standards.

To process the data with their local application, they needed to get BIR data from WorldTracer® in XML format with real-time transfer.

SITA incorporated WorldTracer® into the airline's messaging infrastructure by including a Type X connection. Once the airline linked up, BIR data could be sent directly to its Type X address in a Type X message format.

This resulted in real-time data transfer in XML format, with 99.92% service availability supporting business continuity.