Use case – SITA Data Connect API (SDCA)

SITA Data Connect API is SITA's solution to simplify data exchange needs in ATI community through web-based APIs. Hosted in SITA's cloud, it combines the strength of immediate message exchange with 2,400+ partners with modern and easily understandable RESTful web APIs for sending and receiving those messages.

Background

- Regulatory demands, customer expectations and operational complexity are driving a surge in data exchange. However, many ATI members still rely on legacy systems that struggle to scale, are costly to maintain and do not have flexibility as modern tools.
- The real barrier to ATI's digital transformation isn't just outdated technology—it's the complexity of managing secure, scalable, and interoperable messaging across a global partner network.

Solution

A RESTful API solution that bridges modern technologies with the traditional and effective ATI's messaging backbone:

- Messages are securely exchange via RESTful APIs: secure API keys for authentication and transport-level encryption (TLS, SSL) for protection of data in transit.
- Transform payloads supported: AOS, PRM, and Spec 2000.
- Interoperate with Type B, Type X and free-format message.

SDCA is a strategic enabler that eliminates infrastructure burden while accelerating digital integration.

Benefits

- Modern & Compatible: RESTful APIs that work with legacy formats
- Zero Infrastructure: No installation or local middleware required
- Secure & Scalable: TLS/SSL encryption and persistent message storage
- Cost-Efficient: No permanent connection needed; pay-as-you-go model
- Instant Reach: Pre-connected to 2,400+ ATI partners via SITA's network

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How does it work?

Solution components

1. RESTful API Interface: For sending and receiving messages
2. Assigned Messaging Address: Type B/Type X routing
3. Cloud-Based Message Storage: Persistent inbound message backlog
4. Payload Transformation Options: AOS, PRM and Spec 2000

Case study

1. To deliver timely services to customers, several airports and ground-handlers use SDCA to directly integrate messaging into their own applications enabling them to receive XML-based operational data without installing or managing local middleware.
2. Some airport service providers use SDCA to transform traditional messages into AOS and PRM, ensuring their crews have the right information at the right time.

Results

Fastest and most cost-effective way to join SITA's messaging ecosystem.

Zero setup required: No installation, no configuration, no maintenance.

Accelerated digital transformation with minimal IT involvement.