

Gatehouse
Maritime

Data Mediation

Data Mediation is a powerful back-end application designed to process, manage, and distribute raw AIS data. It delivers a clean, optimized data stream by intelligently filtering, deduplicating, converting, and forwarding AIS messages in real-time, significantly optimizing bandwidth usage through dynamic downsampling.

Fully aligned with IALA A-124 guidelines for AIS Logical Shore Stations, Data Mediation serves as the backbone of AIS networks worldwide, reliably handling large-scale terrestrial and satellite AIS data. Built for scalability, it easily adapts to evolving data management and distribution needs.

Streamlines Integration

Data Mediation converts AIS data into multiple formats, such as JSON and XML, enabling seamless integration with diverse IT systems, legacy infrastructures, and specialized platforms.

Adaptable Distribution

It efficiently serves multiple departments or partner organizations simultaneously, delivering customized subsets or specific formats to each recipient.

Efficient High-Volume Data Management

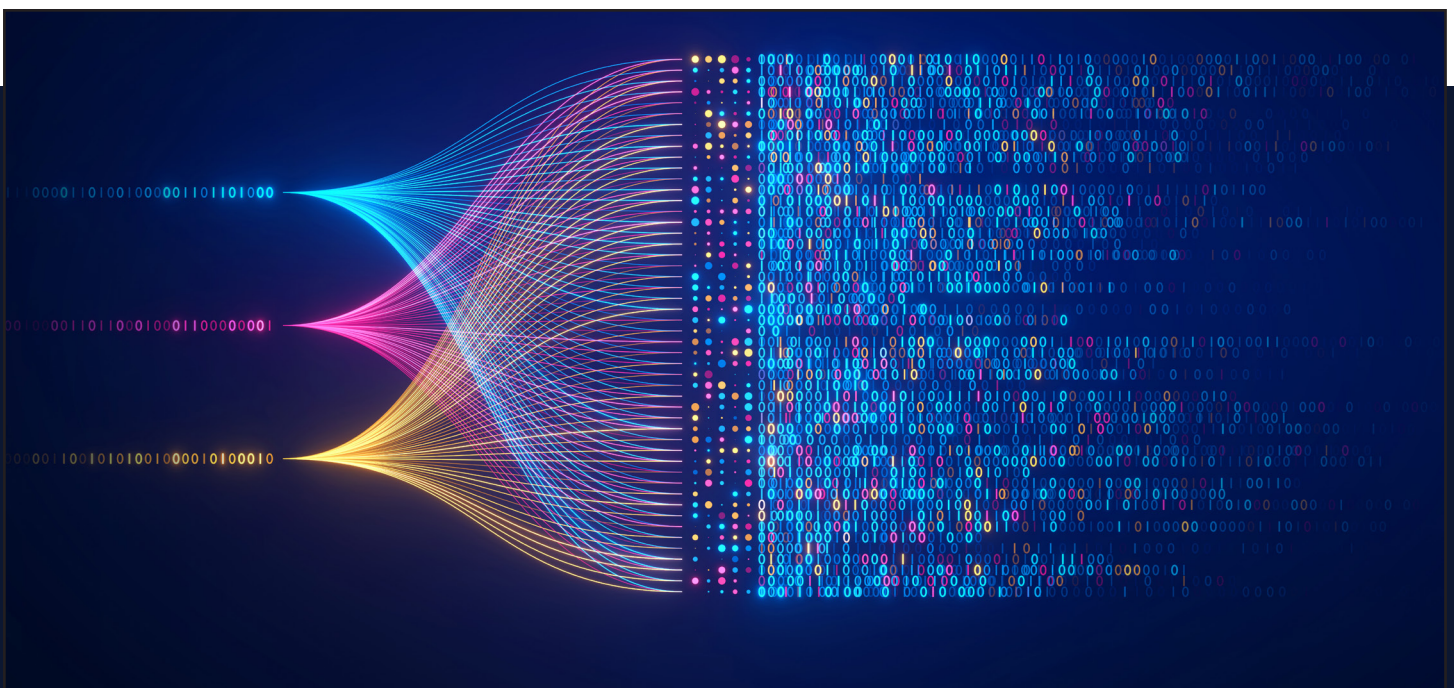
Data Mediation intelligently downsamples data, reducing message frequency without losing essential insights. This approach reduces storage costs and network load while securely storing raw AIS data in a dedicated database for historical replay and analysis.

Flexible Deployment

The product supports cloud, on-premise, or hybrid hosting options, aligning with your operational requirements and security standards.

Key Functionalities

- Convert raw AIS into JSON, XML, or other data structures
- Two-way communication support
- Easy query and filtering on ship list, vessel type or other
- Dynamic or static down sampling
- Automated deduplication
- Limit AIS data by geographic region, vessel types, or specific MMSIs
- Storage of the raw messages
- Forward data to multiple endpoints
- API access support



Feature Highlights & Technical Details

Technical Overview

Data Mediation functions primarily through a TCP/IP data stream, freeing you from mandatory GUIs. This means you can plug it directly into your existing infrastructure without extra user interface overhead.

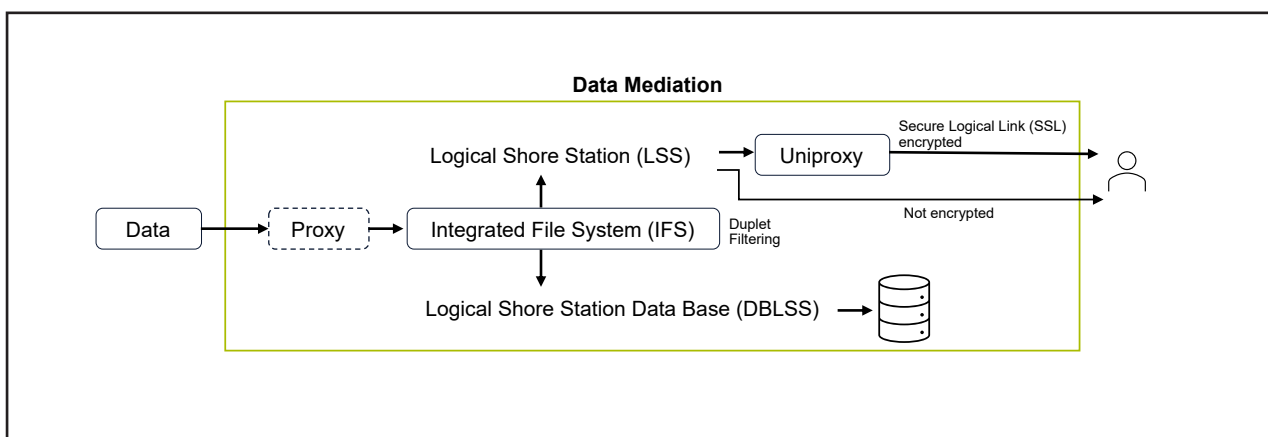
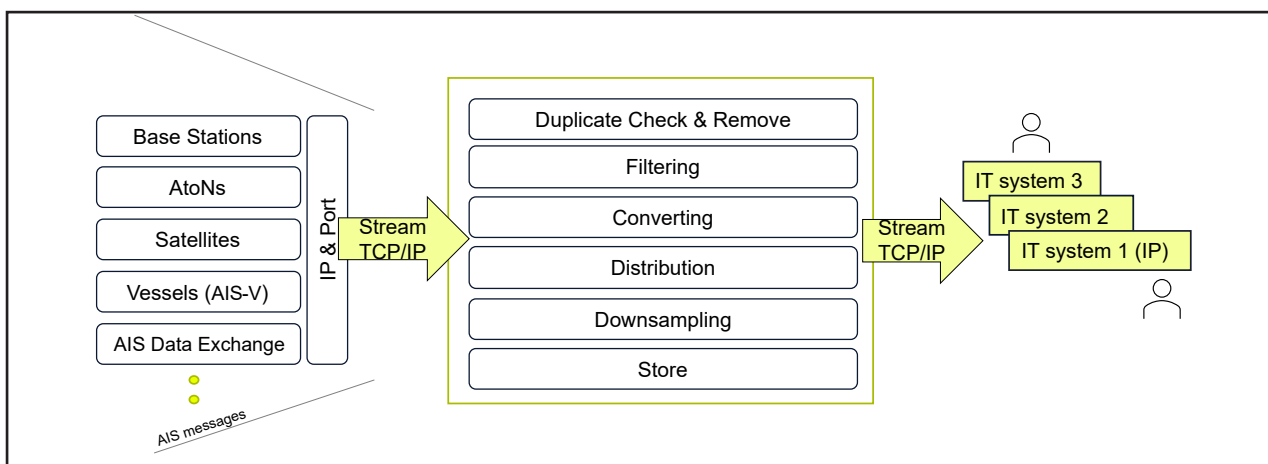
Dependency

Data Mediation operates as a standalone solution without requiring other modules. However, it can seamlessly integrate with and complement broader Gatehouse Maritime systems for enhanced functionality.

Implementation & Support

Gatehouse Maritime collaborates closely with clients to ensure seamless deployment and integration into existing workflows. Our comprehensive support includes:

- Customized sessions for operators and administrators to maximize efficiency.
- Options ranging from email troubleshooting to 24/7 assistance.
- Regular improvements to keep systems optimized and up to date.



Ready to explore? Learn more, watch the demo, or try it out today.

Visit our website or reach out to dive further into our products or to have us set up a demo or trial.

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