Data Synchronization for a Connected Service Ecosystem

Lomnido SPIDER

In today's digital landscape, businesses rely on multiple applications across various platforms. Without seamless integration, these systems create data silos, increasing manual effort and disrupting operations. SPIDER eliminates these inefficiencies by providing a single Enterprise Application Integration (EAI) middleware that connects systems, applications, and data seamlessly.

Streamlined Data Integration Capabilities

- seamless **data synchronization** that is essential in the service ecosystem, but does not require process control

- **effortless access** to and delivery of data from various sources to enhance service processes through enrichment, filtering, and distribution.

- Reduced manual effort: **Eliminates isolated data silos** and optimizes information flow.

- Rapid implementation: No-Code / Low-Code approach for quick and cost-efficient deployment.

- **Secure transmissions**: State-of-the-art authentication, authorization, encryption, and **guaranteed data delivery**

Lomnido developed the ESB SPIDER to offer an easy-to-use, quick-to-deploy, cost-effective, and powerful solution for integrating data from all your internal systems and external partner applications. This enables synchronization, aggregation, distribution, replication, and **validation of data within and beyond organizational boundaries**, ensuring end-to-end data flow and complete visibility.
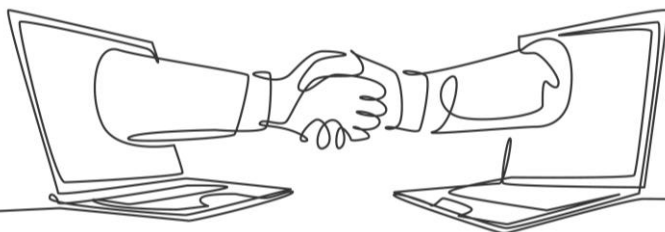
Exchange and **manage business-critical information from diverse internal and external sources effectively**, fostering a more efficient and agile business environment. Simplify and automate data processes to the maximum extent without altering existing applications or data structures.

Lomnido SPIDER enables seamless data aggregation, distribution, and validation without altering existing data structures.

SPIDER is an Enterprise Service Bus (ESB) designed to **handle high volumes of data with ease**, ensuring reliable integration of data across the service ecosystem.

Integration Made Simple – here is how:

- Flexible transformation of data, mapping in the GUI or using scripting possible

- Simple error handling

- Can be used in SaaS and on-premise

- Scalable performance

- Supports staging: development, test & production environment

- Connect new applications, systems, and partners swiftly with no coding

- greatly improve scalability and reduce risks.

CONFIGURE, DON'T CODE

By adopting a Low Code approach, Lomnido SPIDER leverages integration best practices, frameworks, and methodologies to streamline connections. This accelerates deployment and lowers integration costs.

Designed as an all-in-one appliance, it ensures optimal performance and simplified operations. Through a visual interface, powerful workflow engine, reusable connection methods, advanced data mapping tools, and intelligent error handling, you can build integrations—from simple to complex—with remarkable speed.

HIGH PERFORMANCE

Lomnido SPIDER is built to manage large data volumes robustly and efficiently. All operational components are pre-installed on the appliance. By bundling operational software, transaction tools, configuration GUIs, and transport log servers into a ready-to-use solution (including development, testing, and production environments), much of the data integration setup is already complete. Communication, monitoring, and storage components come pre-configured for immediate deployment.

Customer Applications

SaaS Platforms

Partners

Lomnido SPIDER

Packaged Applications

Data Bases

Cloud Applications

ACTIVE MONITORING

Gain real-time visibility into all workflows and integration processes with **Lomnido SPIDER**. Monitor the status of every message and ensure B2B integrations run smoothly. Proactively detect and resolve errors or bottlenecks using predefined reports on file system usage, network load, and more. All operational tasks are easily managed through an intuitive interface.

SECURITY

Lomnido SPIDER ensures secure, end-to-end encrypted data exchange between systems and companies. Users are individually authenticated and authorized upon registration and login. All system changes are logged, and message retention policies can be customized for each connection—allowing messages to be stored for a defined period or deleted immediately after processing.