



Let's Solve

Case Study

Built Integration Competency Center
(ICC) for Leading Swedish Oil Manufacturer



A Larsen & Toubro
Group Company



Client


Nynas AB is a Swedish Oil & Gas manufacturer of specialty naphthenic oils and bitumen products. Founded in 1928, as a national oil company with a traditional range of products, the company also supplies specialist products to niche markets.

Challenges

- Eliminate point-to-point integration
- Provide loose-coupling agility and a high degree of reusability
- IT focus on common information model and industry semantics implementations
- Reduce /eliminate manual work by automating the information exchange between applications
- Improve the speed of information exchange with no loss of information
- Standard-based approach adhering to a process-driven enterprise
- Build flexible business processes, and an enabler for strong governance process

LTI Solution

LTI went through an extensive analysis of integration software vendors for customer, and ultimately proposed Oracle SOA Cloud Service for their needs. Oracle SOA Cloud Service, coupled with the Database CS, Java CS, Compute CS, Developer CS etc., provided a full complement of products that enabled the client to implement a strong SOA infrastructure, reduce vendor glut, and leverage an industry leader in enterprise middleware.



Key Activities Performed

- Setup Integration Competency Center (ICC), comprising of a Solution Architect, Technical Architect, Developers and Administrators & Support team members.
- Devised Integration Landscape Strategy for the client.
- Defined Integration patterns, best practices, principles & policies
- Development & transition to the new Cloud-based Integration Platform – 120+ interfaces developed on SOA CS 12.1.3.
- Robust fault handling and error management framework.
- One-touch automated deployment solution for the SOA suite.
- Provided standard fixes and workarounds, reports, and validation with reproducible problems related to the scope of the solution.
- Added Flex Team, comprise of pool of developers & support team, which are on-board for Line/Project activities on need basis or based on the ICC Core team bandwidth outage.
- The new enterprise integrated platform includes issue tracking system, agile development dashboards, code versioning and code review platform, continuous integration and delivery automation.

Methodology

The first step in building the development practice was to define standard processes and methodologies. Since centralized integration development was new to the client, it was important to provide an organizational framework that would help them build successful integration practice. The goal was to provide a structure that would provide a solid foundation on which they could build as their SOA and development practices matured, yet would provide immediate value.

SCRUM - An agile methodology- was adopted to migrate existing interfaces to SOA integration platform, reducing the risk of migration and providing continuous value.

Business Benefits Delivered

- Robust, scalable and secured centralized integration platform
- Better, faster, secured and reusable integrations
- Common information model and industry semantics implementations
- Reduced manual work by 40% by automating the information exchange between applications
- Improved speed of information exchange with no loss of data
- Standard-based approach adhering to a process-driven enterprise
- Flexible business processes; strong governance processes
- Zero data loss in transit
- Decreased integration cost and complexity
- Easy-to-modify integration with business requirement
- Reduced time-to-market for new feature/data
- Faster to onboard new system
- Real-time error notifications when integration stops
- Reduced time to resolve errors

Technologies

- Oracle Cloud- SOA CS 12.1.3, Database CS, Compute CS, Developer CS, Storage CS, Java CS

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