



Infineon

Business process integration with SAP NetWeaver PI

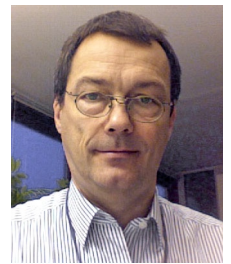
Infineon Technologies AG offers semiconductor and system solutions that address three central challenges for modern society: energy efficiency, communication and security. With roughly 29,100 employees worldwide, Infineon generated sales of 4.3 billion euros in the fiscal year ending 30 September 2008. The company is listed on the Frankfurt and New York stock exchanges under the symbol IFX.

To improve cross-company cooperation and the integration of diverse systems, Infineon employs many innovative technologies. Siemens IT Solutions and Services supported the business process integration with SAP NetWeaver's PI (Process Integration) component in several projects, thus providing Infineon with the prerequisites for efficient and cost-effective business workflows.

The project

To consolidate its systems landscape and processes, Infineon is implementing its internal and external business processes via a standardized SAP platform. As a Special Expertise Partner for SAP, Siemens provided support for Infineon in several projects on the basis of SAP NetWeaver PI.

The purpose of the project, which started in March of 2007, was to improve the intercompany shipment of semiconductor products. The targeted SAP solution had to support the sales and delivery processes between legally independent companies from raw materials to the final product. To accomplish this, the intercompany shipment processes had to be implemented in an existing SAP environment. Siemens managed to upgrade the legacy process at all locations within one year by replacing the corporate host-based system with



Bruno Stroh,
Project Manager for
"Intercompany Shipment"
at Infineon

"Thanks to SAP PI we can flexibly adapt our Intercompany Shipment and swiftly react to changing circumstances."

distributed, cooperating SAP systems. As a result, the legacy process's costs and need for specialized expertise were eliminated, and another step towards the standardization of corporate procedures was completed.

The challenge

- Seamlessly replace the legacy process in several stages, based on location and delivery chain criteria; flexible side-by-side operation of old and the new solution
- Integrate the globally distributed systems and applications for all process variants and their delivery lines with all SAP clients on the corporate network
- Seamlessly integrate the existing middleware (IBM MQ Series et al.) and various third-party systems
- Coordinate globally distributed teams in around-the-clock operation to ensure a seamless transition to the new system

The solution

The intercompany shipment process essentially covers the activities involved from set-up of an order for materials through to creating delivery notes and invoicing. The system manages the broad diversity of process variations and delivery lines by defining the procedures from the start as reusable enterprise services (such as „Create Purchase Order“, „Create Sales Order/Delivery Note“ and „Receive Invoice“). When the process is executed, the services are combined and parameterized as needed. When new process requirements arise, the specialists check whether they can integrate existing services with suitable parameterization or expand existing services, or whether new services will have to be created. This iterative approach leads to a rising number of stable services that can be deployed in different contexts. With the help of a consolidated rule base, SAP PI can thus coordinate the processes centrally within the framework of a service-oriented architecture (SOA).

When combining services into processes, SAP PI uses set rules to build the required process context, to determine the available service providers (for SAP/non-SAP back-end systems), and to determine the service parameters for each context.

Benefits for Infineon

- Centrally coordinated implementation of the solution without interfering with ongoing operations
- More transparency and improved central process control
- Improved tracking of business-critical workflows (milestone monitoring)
- Easier management of the global IT landscape thanks to pooled process and integration expertise and reduced system complexity
- Seamless interaction between multiple distributed SAP and non-SAP systems eliminates costs of individual interface solutions.
- Solution's flexibility and openness enable rapid adaptation to process and infrastructure changes.

Our services

Siemens successfully completed the project on schedule and provided the following services for Infineon:

- Strategy consulting
- Architecture consulting
- Requirements analysis
- Design of processes and services
- Implementation of SAP PI and ERP
- Global rollout in Europe, North America and Asia
- Transfer of operations and maintenance knowledge to customer teams

Technical basis

- SAP NetWeaver PI 7.0



Never stop thinking

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