



**Power ON your SAP investments
for lower integration bills**

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About Infosys

Infosys Technologies Ltd. (NASDAQ: INFY) defines, designs and delivers IT-enabled business solutions that help Global 2000 companies win in a flat world. These solutions focus on providing strategic differentiation and operational superiority to clients. Infosys creates these solutions for its clients by leveraging its domain and business expertise along with a complete range of services.

With Infosys, clients are assured of a transparent business partner, world-class processes, speed of execution and the power to stretch their IT budget by leveraging the Global Delivery Model that Infosys pioneered.



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Executive Summary

In today's economy, every enterprise is re-looking at their business practices to adapt and deliver their products and services at lower cost and with higher value. Bringing in efficiencies internally within the IT departments to align with this business needs is a critical requirement. In this aspect, customers who have adopted SAP for their ERP requirements are in a unique position to gain more value by leveraging their current SAP investments in NetWeaver.

From a monolithic functional platform, SAP has gone through a sea change to deliver open standards based integrated enterprise package in mySAP ERP. Within NetWeaver suite, SAP Process Integration (PI) product offering is the foundation and also the integration platform for adoption of SOA.

Infosys recognizes SAP PI as a powerful tool for SAP customers and has helped global customers to redefine their integration strategy for the current SAP and non-SAP integration as well as the new requirements around SOA enablement. The XY2XISM Migration Solution is a proven solution for SAP customers to build their integration roadmap and also realize the roadmap by consolidating the product landscape.

Enterprise and Partner Integration – A complex and costly affair

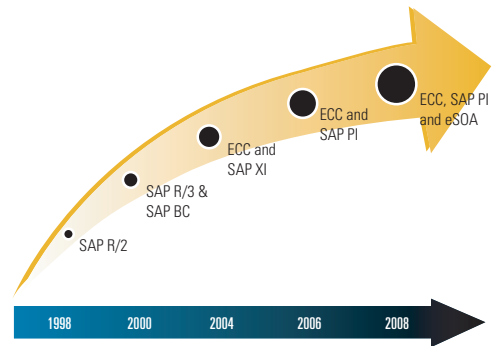
Since the early days of moving from integrated mainframes to open and distributed application systems, the need to integrate IT applications have continued to be the most critical and complex requirement for enterprises. The need for integration continues to increase as enterprises expand to do business with more partners, adopt more packaged applications and also implement specialized custom solutions to meet the new business needs. The implementation of ERP's which are planned to standardize processes and consolidate IT applications have also not significantly reduced the need for overall integration.

The middleware (EAI) products provide features for integrating with minimal coding and come with standard/ predefined interfaces, connectors and graphical tools that aid enterprises to integrate quickly without having to know the underlying technical complexities of other applications and partners, reducing time to market and also cutting the integration cost.

But either due to the outdated implementation methodologies, changing IT requirements or due to proprietary middleware technologies, enterprises have not truly leveraged the investments made in such best of the breed technologies. Adding to this, enterprises have also adopted multiple middleware products - ranging from FTP products to specialized middleware and B2B partner integration software's. This again has meant additional overheads for operations and support.

Positioning of SAP NetWeaver Process Integration

SAP, even though a late entrant in the integration space has a robust offering in NetWeaver PI -

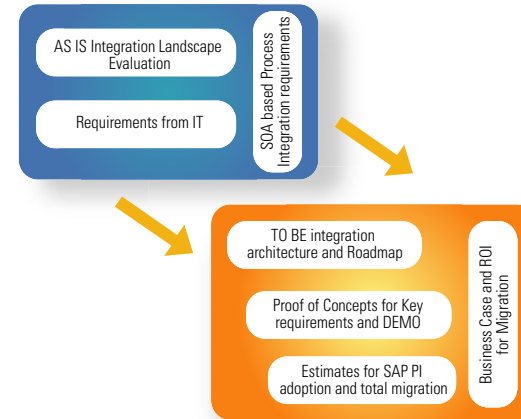
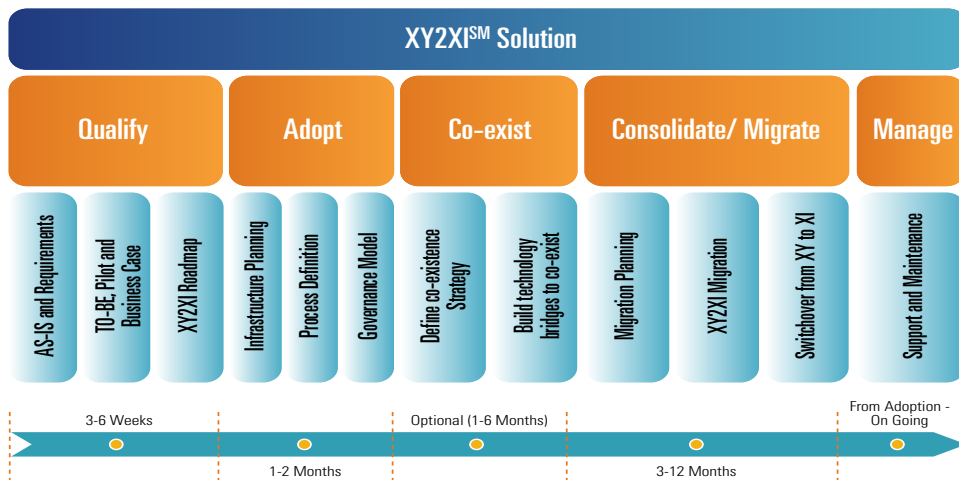


Process Integration (earlier known as XI – eXchange Infrastructure) for meeting the varied requirements of the SAP integration, non-SAP integration and B2B integration. The product which initially started being recognized as integration software for the SAP economy has quickly evolved as an enterprise middleware which now even is ready to address enterprise application integration as well as partner integration.

XY2XISM Migration Solution – a proven approach from Roadmap to Realization

Infosys's service marked XY2XI Migration solution is designed to address customer's requirements to define and implement a clear roadmap for consolidation of their integration investments and to migrate to the SOA enabled NetWeaver Process Integration solution. The solution addresses the requirements of companies looking to start SAP PI assessment, implement SAP PI for new projects and also to migrate existing interfaces from other technologies to SAP PI.

Product Evaluation and Roadmap

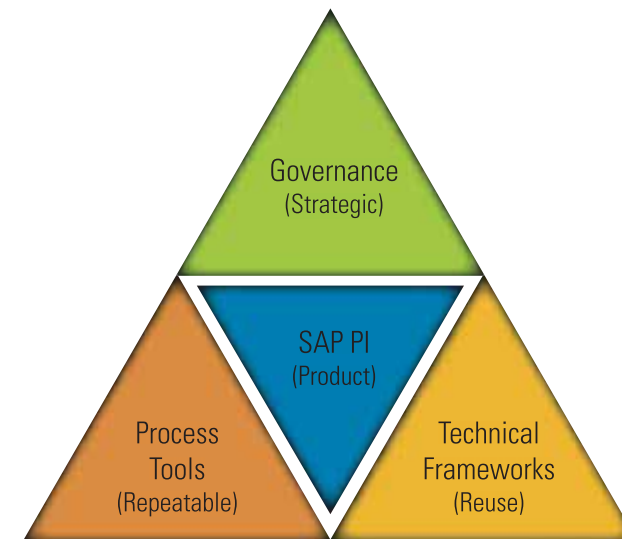


- Assessment Checklist**
- Does the company have disconnected business processes due to a heterogeneous IT landscape?
 - Does the company invest a lot of time and effort in custom development?
 - Does the company have a clear objective that it is trying to achieve from eSOA-based transformational program?
 - What is the level of internal awareness and acceptance within the company for such an initiative?

- Common Mistakes**
- Failing to leverage the Enterprise level licenses already in-house for NetWeaver
 - Limiting the role of SAP NetWeaver to that of application server and to connector of IT systems
 - Implementing multi-product architecture with best-of-breed tools instead of best-for-enterprise strategy
 - Failing to realize eSOA dependency with other IT initiatives

Product Adoption (Ramp Up)

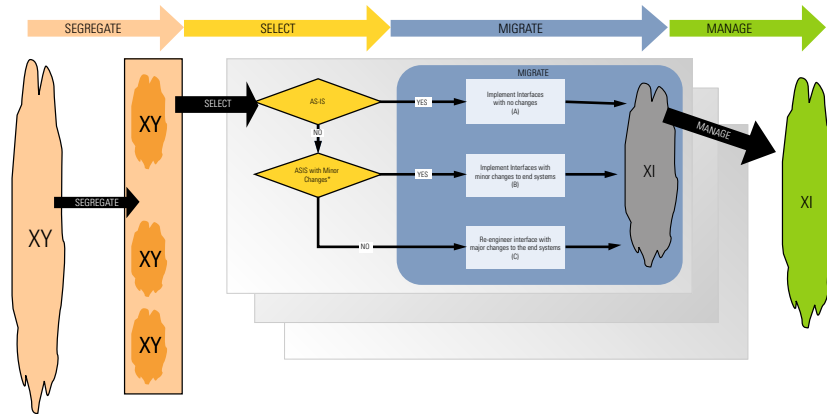
The Ramp Up phase enables customer to start off on the SAP PI journey with a right foundation covering the process, technology and governance aspects. The XY2XI ready to deploy common frameworks ensures that the customer need not invest from ground up on some of the common requirements not directly available from the product ensuring faster time to market. The process tools helps customer to ensure the product is used for enterprise level in a consistent and repeatable model.



Product Consolidation (Migration)

Consolidation of integration landscapes is a key stage of XY2XI where multiple middlewares servicing varied integration needs are consolidated to the end state architecture of SAP PI/XI. The migration of interfaces is achieved with minimum business impact using the proven migration toolsets of XY2XI.

Depending on the need and situation of the customer requirements, the migration is achieved –



Type A

AS-IS implementation with NO changes to the application systems

Type B

Implementation of interfaces with minimal impact to application systems

Type C

Reengineering of interfaces involving application system changes

Customer Case Studies

Customer	Region	Qualify/ Consult	Adopt/ Implement	Co-exist	Consolidate/ Migrate	Manage/ Support
Global Footwear and Apparel Company	Global	✓	✓	✓	✓	✓
American Utility Company	USA		✓	✓		
American Telecom Company	USA		✓			✓
Global CPG Company	USA				✓	
Global Agri Products Company	Global	✓	✓		✓	✓
European Auto Major	APAC	✓	✓		✓	
Global Oil and Gas Company	UK		✓			
Global Pharma Company	EMEA, USA	✓			✓	✓
Global Mining Company	Australia	✓	✓			

Summary

XY2XISM Migration solution is an integrated consulting to implementation framework which enables SAP customers to reduce their overall integration TCO.

Expectation	XY2XI Capability
EAI Assessment & Roadmap	✓
Business case with ROI	✓
Product implementation (Ramp Up)	✓
Dual or Multi Product Strategy	✓
Accelerated Migration (Consolidation)	✓
Reduce TOC	✓

Case Study

Problem: Migration or upgrade of the existing integration landscape (WTX 6.7.1) was required as it did not support integration with the planned ERP upgrade (SAP R/3 4.6C to ECC 6.0). In addition TCO was higher due to manual maintenance activities like manual code transport and manual error handling. Also there were frequent disruptions to production systems as the servers had to be restarted for memory release and activation of new interfaces.

Approach: Infosys's XY2XISM migration solution was leveraged in all phases of migration including migration assessment and road map definition. The cost of migration was reduced through WTX2XI accelerators and automated regression test tools which resulted in 25% of effort saving. Consolidation of interfaces, phased approach for interface development without any freeze period and big bang approach for cutover were followed.

Results: Accelerated migration resulting in completion of the project in a short duration and before expiry of license to the existing middleware. There was no business impact to markets during the entire project lifecycle. Integration platform is established with use of standard features and minimal customization. Standards and best practices for the integration work were established and support procedures for the new middleware were defined.