

# Supply Chain Collaboration

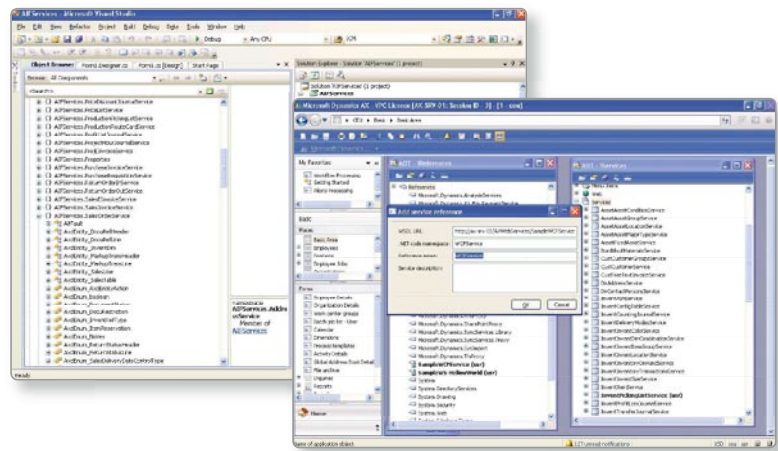
## Supply Chain Collaboration in Microsoft Dynamics AX

### BENEFITS

- **Streamline integration with Web services.** Improve integration within the organization and for external business processes by using a flexible Web services framework. Manage change by creating custom Web services to address specific business needs.
- **Simplify supply chain management.** Connect inventory, production, purchasing, and sales processes to gain an accurate, real-time view of the entire supply chain. Improve collaboration with trading partners with support for a wide range of predefined XML business documents.
- **Use advanced connectivity capabilities.** Use the BizTalk Server Adapter for Microsoft Dynamics AX 2009 for enhanced security and advanced integration, including graphical mapping tools, workflows, and built-in support for industry standards.

**To stay competitive, businesses require a free flow of information across boundaries. Organizations must be able to exchange data across multiple systems and gain visibility into business processes to improve decision-making and control at every level of the supply chain.**

Integrate external business processes and support application-to-application connectivity cost-effectively across the supply chain. With Application Integration Framework (AIF), the Web services framework in Microsoft Dynamics® AX 2009, you can connect processes across multiple systems and gain the insight you need to improve business planning. Simplify information sharing and improve partner collaboration by exchanging XML documents using various transport mechanisms, and with support for a range of document services for common document types. Choose from several out-of-the-box Web services, or easily customize them to meet specific business needs.



*Exposing and consuming Web services in Microsoft Dynamics AX*

By using Microsoft® BizTalk® Server 2006 R2 and Microsoft Dynamics AX 2009, you can extend supply chain processes with powerful graphical mapping tools and preconfigured support for industry standards, such as EDIFACT and SWIFT. BizTalk Server streamlines workflow among multiple systems to simplify connectivity and shared processes with trading partners, such as suppliers, logistics providers, and customers.

## FEATURES

### BUSINESS ESSENTIALS

#### Online services

- Use payment services to integrate credit card processing, including authorization, data tracking, and returns, into Microsoft Dynamics AX.  
*Note: Credit card processing is currently available only in the U.S.*

#### Declarations capabilities

- Use AIF to meet regulations, such as value-added tax (VAT) declarations, with integration with government organizations.

### ADVANCED MANAGEMENT

#### Application Integration Framework (AIF)

- Use a Web services framework to integrate external business processes, such as order-to-cash and procure-to-pay.
- Support application-to-application integration, such as hub-and-spoke deployments that connect subsidiaries to an ERP system at corporate headquarters.
- Use a programming model that supports document services to capture business logic and provide an interface between Microsoft Dynamics AX 2009 and external systems.
- Manage messages through parallel message processing and with the addition of a multiple application object server (AOS), a Windows® service that controls communications among Microsoft Dynamics AX clients, databases, and applications.

#### Web services

- Exchange XML documents with trading partners, vendors, and customers using various transport mechanisms, such as file systems, Microsoft Message Queuing (MSMQ), and outbound Web services.
- Gain support for flexible document exchange with support for create, read, update, and delete (CRUD) operations for a wide range of common document types, such as Advanced Shipping Notice (ASN), Sales Order, and Purchase Order, which are provided out of the box with Microsoft Dynamics AX 2009.
- Access a wide range of out-of-the-box Web services, or create and customize Web services using simple tools.
- Publish Web services through asynchronous adapters of AIF or Windows Communications Framework (WCF).
- Consume external Web services from within X++®.

#### Industry-standard support with BizTalk Adapter for Microsoft Dynamics AX 2009

- Expose applications and structured data in XML, regardless of original format.
- Gain support for industry-standard information exchange using Electronic Data Interchange (EDI), including X12, EDIFACT, SWIFT, and HIPAA; and gain support for Availability Statement 2 (AS2) data for EDI over the Internet.
- Quickly extend business processes and connect to line-of-business systems and legacy systems with a broad array of out-of-the box adapters.
- Automate business processes by creating rules and custom workflows using BizTalk Server.

Features are organized by Business Ready Licensing edition. Actual editions may vary at the time of licensing.

For more information about Supply Chain Collaboration in Microsoft Dynamics AX 2009, visit [www.microsoft.com/dynamics/ax](http://www.microsoft.com/dynamics/ax).