
OASIS WSIA Technical Committee

Business Scenario Document
WSIA Business Scenario: Supply Chain Aggregation

Version <1.0>

Business Scenario Document	Version: <1.0>
WSIA Scenario: Supply Chain Aggregation	Date: 3 Feb 2002
<document identifier>	

Revision History

Date	Version	Description	Author
3 Feb 2002	1.0	Initial Draft	Kevin Brinkley Highland Mountain

Business Scenario Document	Version: <1.0>
WSIA Scenario: Supply Chain Aggregation	Date: 3 Feb 2002
<document identifier>	

Table of Contents

1. Supply Chain Aggregation	1
1.1 Description	1
2. Participants	1
2.1 Company ABC	1
2.1.1 Role	1
2.1.2 Relationships	1
2.1.3 Business Objectives	1
2.1.4 Solution Requirements	1
2.2 Supplier X	2
2.2.1 Role	2
2.2.2 Relationships	2
2.2.3 Business Objectives	2
2.2.4 Solution Requirements	2
3. Proposed Glossary Terms	2
4. References	2

Business Scenario Document	Version: <1.0>
WSIA Scenario: Supply Chain Aggregation	Date: 3 Feb 2002
<document identifier>	

WSIA Business Scenario: Supply Chain Aggregation

1. Supply Chain Aggregation

1.1 Description

The context for this scenario is an enterprise's goal of streamlining operations and ultimately achieving end-to-end supply chain integration. Efforts such as Enterprise Application Integration (EAI) and Business-to-Business integration (B2Bi) are playing a significant role in the streamlining efforts. However, situations still occur that require human intervention.

This scenario focuses on inventory management and the fact that human decision-making is a critical aspect of this business process. Specifically, this scenario describes a situation that cannot be corrected automatically by the existing supply line management solution. In order to address the problem, the participants within this supply chain must consume and analyze the related data in a timely manner in order to make accurate and informed decisions. Due in part to the decentralized and mobile nature of the workforce, this data originates from and resides in many locations including the enterprise data warehouse, local PC/laptop, and wireless devices. Each device drives a unique set of requirements including the need to adapt and transform the data in a device appropriate manner.

As part of its manufacturing process, Company ABC consumes products from Supplier X. The two companies have streamlined operations by utilizing B2Bi via a Supply Line Management (SLM) solution.

2. Participants

2.1 Company ABC

2.1.1 Role

Company ABC purchases products from Supplier X that are integral to Company ABC's manufacturing process.

2.1.2 Relationships

Company ABC has an established relationship with Supplier X for multiple components, including Component Z. Company ABC has automated significant portions of its supply chain including the ability for Supplier X to manage, balance, and assign inventory across multiple Company ABC sites.

2.1.3 Business Objectives

Company ABC wants to ensure a responsive supply chain in order to maintain production, fulfill orders, and protect vital vendor and customer relationships. The difficulty of designing solutions that comprehend the distributed nature of data and computing represents a barrier in achieving higher degrees of efficiency. Enabling the automation of data aggregation, data analysis, and visualization at the appropriate endpoint (i.e. PC, handheld device or Server) will facilitate a more timely response to unexpected events such as supplier inventory shortages or rapid shifts in end product demand.

2.1.4 Solution Requirements

2.1.4.1 Functionality

- Aggregate inventory and demand data from multiple local (e.g. PC) and remote (e.g. data warehouse) data sources
- Perform localized, device appropriate, data analysis (i.e. PC, handheld, server)
- Execute/facilitate process coordination and workflow management from/to the appropriate device (i.e. PC, handheld, server)

Business Scenario Document	Version: <1.0>
WSIA Scenario: Supply Chain Aggregation	Date: 3 Feb 2002
<document identifier>	

- Facilitate device appropriate data transformation to enable data sharing between applications (e.g. SAP, Excel)
- Provide the ability to aggregate local and remote functionality. Key local applications include email (e.g. Outlook), word processing (e.g. Word), and spreadsheet (e.g. Excel).
- The ability to work off-line, disconnected from the corporate network

2.1.4.2 Usability

2.1.4.3 Reliability

2.1.4.4 Performance

2.1.4.5 Supportability

2.1.4.6 Constraints

2.2 Supplier X

2.2.1 Role

Supplier X is a component manufacturer who supplies subassemblies to multiple companies.

2.2.2 Relationships

Supplier X has an established relationship with Company ABC for multiple components, including Component Z. Company ABC has automated significant portions of its supply chain including the ability for Supplier X to manage, balance, and assign inventory across multiple Company ABC sites.

2.2.3 Business Objectives

Supplier X wants to ensure that it meets its contractual commitments and protect its vital customer relationships. Supplier X wants to provide timely inventory data to Company ABC to ensure no adverse impact on its production levels.

2.2.4 Solution Requirements

2.2.4.1 Functionality

- Execute automated inventory event notifications

2.2.4.2 Usability

2.2.4.3 Reliability

2.2.4.4 Performance

2.2.4.5 Supportability

2.2.4.6 Constraints

3. Proposed Glossary Terms

4. References