

*IBM WebSphere Business Integration Collaborations
for UCCnet Item Synchronization Version 4.3.2*



Solution Overview

Note!

Before using this information and the product it supports, be sure to read the general information under “Notices and Trademarks” on page 5.

Seventh Edition (January 2004)

This edition applies to Version 4, Release 3, Modification 2 of the *IBM WebSphere Business Integration Collaborations for UCCnet Item Synchronization (5724-H62)*

IBM welcomes your comments. You can send them to the following address:

IBM Canada Ltd. Laboratory
Information Development
8200 Warden Avenue
Markham, Ontario, Canada L6G 1C7

Include the title and order number of this book, and the page number or topic related to your comment.

When you send information to IBM, you grant IBM a nonexclusive right to use or distribute the information in any way it believes appropriate without incurring any obligation to you.

© **Copyright International Business Machines Corporation 2002, 2004. All rights reserved.**

US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Contents

Solution overview	1	Notices and Trademarks.	5
Challenges for suppliers	1	Notices	5
How the Item Synchronization for Suppliers solution meets these challenges	2	Programming interface information.	6
		Trademarks and service marks	7

Solution overview

IBM® WebSphere® Business Integration for Retail Distribution is a portfolio of adapters that provides retailers and their suppliers with industry-specific business process templates, a portfolio of connectors to leading applications, and an integration hub to help them automate their current business processes.

This overview focuses on the portfolio's Item Synchronization for Suppliers solution, which automatically integrates a supplier's item business processes with those of its trading partners. The solution uses the IBM WebSphere Business Integration Collaboration for UCCnet® Item Synchronization, IBM WebSphere Adapters, and the IBM WebSphere InterChange Server (ICS), to provide affordable, extensible, scalable, and secure access to the UCCnet standard registry. (A subsidiary of the Uniform Code Council, Inc. (UCC™), UCCnet is a neutral, tax-exempt organization that provides item registry and data synchronization for electronic commerce based on industry developed standards.) The resulting improved efficiencies in supply chains can significantly drive down costs and improve profits for suppliers.

Challenges for suppliers

Today's suppliers face many challenges. An enterprise's business processes and associated operations can be stretched to the breaking point as a result of:

- Constantly shifting economic conditions
- Technologically complex and cumbersome planning, forecasting, buying, and inventory management processes
- Impacts from growth, acquisitions, mergers, and expansion

To meet the escalating data demands on suppliers, UCCnet has implemented multi-industry standards for product identification and related electronic communications. It implements these standards by requiring its community of trading partners to provide standardized item data in particular formats to its registry. The system also includes integral compliance checks to assure the integrity of the data in all cases. By subscribing to the UCCnet registry, suppliers can potentially change prices in near real-time and greatly improve their speed-to-retail-shelf for new products and item maintenance.

For suppliers to work effectively with UCCnet, they must be able to synchronize their enterprise item data with UCCnet systems quickly and easily, without the need to rewrite or replace existing systems. They must be able to extract business information from diverse sources and move this information through disparate applications quickly and accurately to keep item information current. Plus, they must be able to get up and running on the UCCnet registry quickly with minimal disruption to their current business processes and enterprise systems.

How the Item Synchronization for Suppliers solution meets these challenges

The Item Synchronization for Suppliers solution meets these challenges by helping suppliers automate the item synchronization process in compliance with UCCnet standards. The heart of this modular, open-systems-based solution is the IBM WebSphere Business Integration Collaboration for UCCnet Item Synchronization. This collaboration, composed of six pre-built templates, enables suppliers to automatically add items to, update or delist items within, or withdraw items from UCCnet when item updates are made in their Enterprise Resource Planning (ERP) applications. When an item is updated in a supplier's ERP system, item data is automatically validated, reformatted, and sent to the UCCnet standard registry. This collaboration also provides a single process for communicating item information to trading partners via UCCnet. Thus, a supplier's enterprise data is synchronized with item data sent outside the enterprise.

The solution's benefits to suppliers include:

- Quick UCCnet format compliance, with the flexibility to connect to other partners and vendors.
- Back-end and legacy integration for true business process management without the need to write changes to existing data and application environments.
- The ability to stage a common or "catalog" view of item attribute data mapped and integrated from multiple systems of record within an enterprise.
- Fast deployment, simplified application upgrades, and reusability of both business process flows and application access code.
- Improved speed to market.
- Seamless, real-time updates to existing product records, along with immediate acceptance and setup of new and delisted items.
- Message transformation, message routing, guaranteed message delivery, as well as orchestrated workflows around closed-loop and secure business process executions.
- A fully extensible framework to support tomorrow's new processes and partners.

For more detailed information about solution components, architecture, and installation, see the following:

- Collaboration for UCCnet Item Synchronization, for comprehensive information about the templates included with this collaboration.
- Installation guide, for instructions on setting up the product.
- Solution development guide, which describes the internal processing of the solution.
- UCCnetDTD_envelope business object, for information on the structure of this business object.
- UCCnetGBO_envelope business object, for information on the structure of this business object.
- UCCnetTPIDTD_envelope business object, for information on the structure of this business object.
- UCCnetTPIXSD_envelope business object, for information on the structure of this business object.
- UCCnetXSD_envelope business object, for information on the structure of this business object.

- UCCnetJMSDTD_envelope business object, for information on the structure of this business object.
- UCCnetJMSXSD_envelope business object, for information on the structure of this business object.

Notices and Trademarks

Proprietary Information

US Government Users Restricted Rights - Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Notices

IBM may not offer the products, services, or features discussed in this document in all countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law:

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created

programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Burlingame Laboratory Director
IBM Burlingame Laboratory
577 Airport Blvd., Suite 800
Burlingame, CA 94010
U.S.A

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement, or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurement may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not necessarily tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

This information may contain examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples may include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

COPYRIGHT LICENSE

This information may contain sample application programs in source language, which illustrates programming techniques on various operating platforms. You may copy, modify, and distribute these sample programs in any form without payment to IBM, for the purposes of developing, using, marketing or distributing application programs conforming to the application programming interface for the operating platform for which the sample programs are written. These examples have not been thoroughly tested under all conditions. IBM, therefore, cannot guarantee or imply reliability, serviceability, or function of these programs.

Programming interface information

Programming interface information, if provided, is intended to help you create application software using this program.

General-use programming interfaces allow you to write application software that obtain the services of this program's tools.

However, this information may also contain diagnosis, modification, and tuning information. Diagnosis, modification and tuning information is provided to help you debug your application software.

Warning: Do not use this diagnosis, modification, and tuning information as a programming interface because it is subject to change.

Trademarks and service marks

The following terms are trademarks or registered trademarks of International Business Machines Corporation in the United States or other countries, or both:

IBM
the IBM logo
AIX
AS/400e
CrossWorlds
DB2
DB2 Universal Database
iSeries
Lotus
Lotus Notes
MQIntegrator
MQSeries
OS/400
Tivoli
WebSphere

Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.

MMX, Pentium, and ProShare are trademarks or registered trademarks of Intel Corporation in the United States, other countries, or both.

Solaris, Java, and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

UCC and UCCnet are trademarks of Uniform Code Council, Inc., UCCnet, Inc. or both, in the United States, other countries, or both.

UCCnet Messaging is a product and/or trademark of UCCnet and is used with permission.

Other company, product, or service names may be trademarks or service marks of others.

IBM WebSphere InterChange Server Version 4.2.2

IBM WebSphere Business Integration Toolset Version 4.2.2

IBM WebSphere Business Integration Adapters Version 2.4



