

IBM CrossWorlds software, Version 4.1.1

Highlights

- ***Supports out-of-the-box access to major applications, technologies and industry standards with an extensive catalog of connectors***
- ***Simplifies deployment with centralized system and configuration management***
- ***Accelerates application interoperability by synchronizing data with a powerful, extensible common business-object model***
- ***Choreographs enterprise business activities inside and outside your company***
- ***Leverages ready-to-deploy, industry-specific process templates (collaborations) and a range of data templates (business objects)***
- ***Provides an intuitive, integrated visual toolset that allows you to easily customize your integration infrastructure***

Years of strategic information technology (IT) investments have helped you keep the competitive edge on your road to success. But now you're faced with the growing costs of managing disparate systems and unconnected infrastructure investments—and the need to extend your processes to trading partners. To remain competitive, you want to integrate your IT resources inside and outside your company to help reduce costs and realize operational efficiencies.

As part of the IBM WebSphere® software platform, IBM CrossWorlds® software provides integration solutions with sophisticated process integration and management capabilities. With a CrossWorlds process integration solution, you'll have the technical capability, easy-to-use toolset and tailored content you need to help unite and extend business processes and IT resources.



CrossWorlds software integration solutions

CrossWorlds software lets you create collaborative composite applications that can automate business processes across your enterprise and with trading partners. It leverages existing applications and infrastructure and uses scalable, XML and Java™ technology to help you reduce the immediate and long-term costs of managing IT resources. Its patented common business-object model, industry templates, extensive connectivity and object management — within a run-time environment — facilitate quick and easy integration while reducing implementation and maintenance costs.

Use CrossWorlds software to quickly automate individual steps and streamline processes to obtain a competitive advantage. Gain a consistent view of critical corporate information — such as customer and product data — across different applications. Link to trading partners and trading networks faster while eliminating the high costs

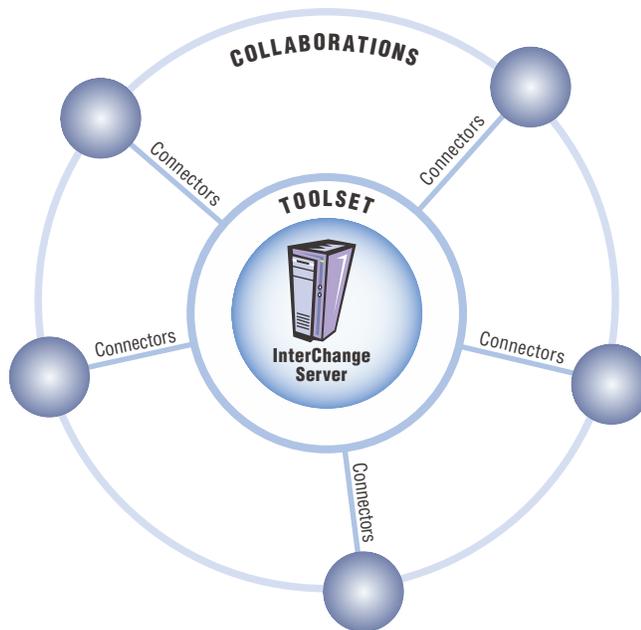
of manual transactions. With a solution tailored to your needs, CrossWorlds software can help you extract the most business value from your IT investments.

A foundation for integration

IBM CrossWorlds InterChange Server is the foundation of the CrossWorlds software solution and provides a reliable, secure environment for business process management and automation capabilities. With CrossWorlds InterChange Server, you can define, model and execute business processes consistently and affordably. Manage business objects and automate the synchronization of information inside and outside your firewall. With support for Java 2 Platform, Enterprise Edition (J2EE) technology and Web services, CrossWorlds InterChange

Server is flexible and extensible. As your needs grow, you can easily extend the functionality of CrossWorlds InterChange Server — whenever and wherever you need it.

With a comprehensive set of technical services that includes system monitoring, event and transaction compensation management, error handling, data persistence and workload balancing, CrossWorlds InterChange Server helps you smoothly implement processes involving multiple applications. Its patented common programming model supports rapid many-to-many integration. Business objects can communicate with an unlimited number of processes and applications without creating point-to-point overload of unmanageable integration interfaces.



The CrossWorlds software components work together to provide you with process integration solutions that automate and streamline business processes while helping you link to trading partners over the Internet and around the world.

And in the event of a system failure, CrossWorlds InterChange Server prevents duplication of critical business events within your system—purchases, inventory updates and other important data exchanges—to minimize your risk of data errors.

Easy-to-use integration tools

CrossWorlds software offers a full set of intuitive, easy-to-use tools to help you take advantage of the capabilities supported by CrossWorlds InterChange Server. The CrossWorlds toolset provides a friendly visual tooling environment that lets you customize, manage and maintain your integration solution. You can easily define standard enterprise information views across IT resources. Rapidly configure and deploy business-object synchronization and process automation logic. Monitor and manage enterprise information integrity.

The toolset contains the essential design, deployment and management tools to help you implement your integration solution, including:

CrossWorlds System Manager

- Provides a visual interface for system administrators to monitor, control and analyze the entire CrossWorlds solution in a single user interface
- Provides ability to establish an audit trail for business events moving through the CrossWorlds environment

CrossWorlds System Monitor

- Provides a centralized graphical tool to monitor and control the key system components within the CrossWorlds environment
- Enables administrators to start, stop and pause all CrossWorlds components as needed
- Provides monitoring screens to track processing load by component

CrossWorlds Log Viewer

- Displays trace information for a business process
- Allows you to view the progression of a business object as it passes from one processing point to another (for example, as a business object exits the collaboration processing point and is sent to other collaborations or connectors for processing)

CrossWorlds Process Designer

- Allows you to graphically sketch and refine the logical flow of business processes
- Uses Unified Modeling Language (UML)-compliant graphical notation to represent the business process
- Produces pure Java code automatically that can be extended for complex business process modeling

CrossWorlds Test Connector

- Allows you to send and respond to specified business events
- Helps users isolate and test various components of the CrossWorlds system during troubleshooting or testing

CrossWorlds Business Object Designer

- Manages generic and application-specific business-object templates
- Customizes predefined business-object templates, such as purchase order acknowledgments, or creates new business-specific ones
- Accelerates the definition of business objects from existing data sources using object discovery agents that automatically generate templates

CrossWorlds Object Discovery Agent Development Toolkit

- Allows developers to create an object discovery agent for virtually any data source, such as a legacy application

CrossWorlds Map Designer

- Helps build and extend transformation maps that convert data from application-specific formats into CrossWorlds business or industry-specific objects
- Enables access to external mapping resources, such as databases

CrossWorlds Relationship Designer

- Maintains cross-references between integrated data that resides in disparate applications
- Defines the relationships between application objects and attributes necessary to simultaneously synchronize data across multiple applications (for example, the relationship between an account ID and a customer ID)

CrossWorlds Relationship Manager

- Shows a single view of enterprise information
- Provides information about each relationship and the applications within it
- Allows you to create and delete relationship instances
- Adds or deletes applications in a relationship
- Imports cross-referenced information from outside sources

- Activates and deactivates participants and searches for participant information based on instance IDs and business-object values
- Monitors an application's activity within a specified time interval
- Corrects data corruption automatically

CrossWorlds Connector

Development Toolkit

- Provides the tools needed to create or modify CrossWorlds Connectors

Speed deployment with predefined content

CrossWorlds Collaborations

CrossWorlds software offers hundreds of generic business-object definitions for enterprise information objects, industry-specific objects and standards-based objects. With business objects already configured for common applications, CrossWorlds software makes it fast and easy for you to implement an integration solution. You can use all the business objects, modify them or create your own objects. And with application- and connector-independent data and maps, you can spend less time on maintenance.

Offering a range of more than 60 sets of CrossWorlds Collaborations (process templates) that graphically define and automate process steps, CrossWorlds software can help improve your design quality and efficiency and shorten your deployment time. CrossWorlds Collaborations help you accelerate the integration of common business processes that span multiple applications by orchestrating business data — such as customer, item or invoice — in specific sequences between the applications. CrossWorlds Collaborations streamline and automate common horizontal business processes, including managing inventories, updating contacts, placing orders and issuing invoices. In addition to streamlining horizontal processes, industry-specific CrossWorlds Collaborations embody the business logic and best industry practices in many key industries, including:

- Automotive
- Electronics
- Insurance
- Retail
- Telecommunications
- Process and discrete manufacturing
- Financial services

To help reduce initial and ongoing maintenance costs, all CrossWorlds Collaborations leverage a common business-object model, a superset of data models used by the most widely deployed packaged applications. With an ever-expanding list of CrossWorlds Collaborations that can be easily customized and extended to applications, trading partners and networks, CrossWorlds software gives you the breadth of capability you need to capture a unique competitive advantage.

CrossWorlds Connectors

CrossWorlds connectivity solutions offer an extensive list of connectors that enable fast access to packaged applications, legacy products, technology protocols, industry solutions and trading partners internally and over the Web using industry-standard protocols and data formats. CrossWorlds Connectors can help you take advantage of quickly evolving technologies like Web services, or easily exchange business objects with applications that support Financial Information Exchange (FIX) messages.

With out-of-the-box support for a broad range of applications, channels and formats, CrossWorlds Connectors are easy to manage and quick to deploy. Connectors support business event-level, two-way connectivity, which lets you extend business process management features to all applications involved in an integrated business process. Connectors also provide extensive functionality and communication with event detection, full application programming interface (API) support, asynchronous and synchronous messaging and transaction support. The synchronous remote invocation mechanism, based on Common Object Request Broker Architecture (CORBA), lets you connect customers and trading partners to your systems and applications through browser-based interactions.

CrossWorlds Connectors currently support more than 50 systems and versions in several strategic areas, including:

Technology

- Provides access to data, technologies and protocols that enhance an integration infrastructure

- Connects to many packaged applications using common standards such as Web services, J2EE Connector Architecture (JCA) and XML

Application

- Extracts data and transaction information from both leading and industry-specific packaged applications
- Enables access through application program interfaces (APIs) where possible and provides other means of accessing data specific to the application and version. For example, the CrossWorlds Connector for SAP can be used for business APIs, Intermediate Documents (IDOCs) and Application Launching and Embedding (ALE).

Mainframe

- Leverages best-of-breed technology to access application data in IBM OS/390® systems and provides connectivity approaches to IBM AS/400®

e-business

- Connects securely over the firewall to desktops, trading partners' internal applications and online marketplaces and exchanges

Business integration building blocks

With the IBM CrossWorlds family, you can combine business integration products and solutions selectively or build one upon the other to help integrate business processes within and across enterprises.

CrossWorlds software is part of the IBM WebSphere software platform for e-business — a set of integrated, award-winning e-business solutions. No matter where you are in the e-business cycle, the WebSphere software platform can allow you to grow — at the speed the market demands.

Building on this robust platform, you can connect diverse IT environments to maximize your current investments. And leverage existing skills with a full range of business integration solutions from the CrossWorlds family of products.

For more information

To learn more about IBM CrossWorlds business integration solutions, visit:

ibm.com/websphere/crossworlds

Product or solution	Function	Benefit
IBM WebSphere MQ	Messaging integration	Integrate applications across more than 35 platforms with assured once-only message delivery.
IBM WebSphere MQ Everyplace™	Mobile integration	Securely extend your e-business integration to a mobile workforce.
IBM WebSphere Adapters, IBM WebSphere Business Integration Adapters and IBM CrossWorlds Connectors	Packaged application connectivity	Utilize prebuilt application adapters to integrate packaged software, like Ariba Buyer and SAP.
IBM WebSphere MQ Event Broker	High-performance message publish and subscribe function	Dynamically distribute messages.
IBM WebSphere MQ Integrator Broker	Message transformation and routing	Cost-effective information exchange between multiple applications.
IBM WebSphere Data Interchange	Electronic Data Interchange (EDI) translation	Translate business information to exchange with trading partners.
IBM CrossWorlds InterChange Server	Business process integration	Coordinate business processes across multiple applications.
IBM CrossWorlds Toolset	Business process integration customizing and managing	Easily implement and maintain business integration processes.
IBM CrossWorlds Collaborations	Business process definition and automation	Leverage proven industry process templates to deploy integration solutions quickly.
IBM CrossWorlds Trading Partner Integration	Business-to-business (B2B) communication	Automate supply-chain interaction through a gateway for B2B communication.
IBM MQSeries® Workflow	Business process management	Manage business processes across multiple applications and people.
HOLOSOFTX BPM Suite	Business process modeling and monitoring	Model, simulate and monitor business processes that execute in the runtime for MQSeries Workflow.
WebSphere Business Integration Offering	A single offering that combines WebSphere MQ Integrator Broker, MQSeries Workflow and CrossWorlds InterChange Server	Deploy WebSphere business integration products as needed.
IBM WebSphere Business Connection	B2B Integration	Extend business process integration securely with trading partners, suppliers and customers



© Copyright IBM Corporation 2002

IBM Corporation
Software Group
Route 100
Somers, NY 10589
U.S.A.

Produced in the United States of America
08-02
All Rights Reserved

AS/400, CrossWorlds, Everyplace, IBM, the IBM logo, MQSeries, OS/390 and WebSphere are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries or both.

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

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