IBM WebSphere Commerce Suite, Pro Edition for OS/390, Version 4.1: The Complete E-commerce Solution for Your Web Site

Overview

Make your products and services available to more than 100 million online shoppers with WebSphere Commerce Suite, Pro Edition for OS/390, Version 4.1, providing more function, power, flexibility, and scalability than Net.Commerce. Establish or enhance your current e-commerce Web site quickly, easily, and affordably.

Use WebSphere Commerce Suite, Pro Edition to:

- Create an online store
- Conduct business-to-business or business-to-consumer transactions
- Ensure secure online purchasing
- Customize the look, feel, and flow of your site

Features include:

- Low entry price
- Payment Manager with SET Secure Electronic Transaction support
- Advanced relationship marketing, including rules-based personalization
- Product Advisor for creating intelligent catalogs
- Auctions (open cry, sealed bid, Dutch bid)
- MQSeries® Adapter for back-end integration

WebSphere Commerce Studio

This product is the new design and development environment for the WebSphere Commerce Suite. Based on the award-winning WebSphere Studio, V3, the Commerce Studio is available in two versions, the Developer and Professional Developer Editions. Use one of these to develop your WebSphere Commerce Suite site. Each includes the features of the WebSphere Studio with additional commerce tools to support the WebSphere Commerce Suite.

- **Developer Edition:** Developer’s kit for WebSphere Commerce Suite, Pro Edition for OS/390
- **Professional Developer Edition:** Developer’s kit for WebSphere Commerce Suite, Pro Edition for OS/390 including these additional features:
  - WebSphere Catalog Architect (CA), V4.1
  - Tools and support for rules-based personalization
  - Tools for setting up auctions
  - Product Advisor tools

WebSphere Catalog Architect

- Create, import, and update product information
- Reduce the time for traditional catalog information management
- Selectively publish information into production
- Automated validation of catalog information
- Familiar spreadsheet and drag-and-drop interfaces

WebSphere Commerce Suite, Pro Edition for OS/390 does not include WebSphere Commerce Studio or Catalog Architect. Refer to Software Announcement 200-007, dated February 1, 2000, for more information on these products.

WebSphere Commerce Suite, Pro Edition, V4.1 is also available on the Windows NT®, AIX®, Sun Solaris, and AS/400® platforms.

Key Prerequisites

Refer to the Technical Information section for details.

Planned Availability Date

August 31, 2000

At a Glance

Tap into the vast Internet market by creating an e-commerce site with WebSphere Commerce Suite, V4.1 to help you:

- Implement a complete e-commerce solution, including catalog and storefront creation, payment processing, and fulfillment
- Increase profitability:
  - Reduce the cost of sales transactions
  - Extend your reach with business-to-business capability
  - Attract and retain customers with easy-to-use advanced catalog tools
  - Create a compelling shopping experience through customizable storefronts
- Provide personalization for powerful one-on-one marketing
- Improve efficiency:
  - Accelerate setup time with a store-creation wizard
  - Provide data interchange by integrating with existing back-end systems
  - Track shoppers’ past purchasing activities for more streamlined customer service

For ordering, contact:
Your IBM representative, an IBM Business Partner, or IBM Americas Call Centers at 800-IBM-CALL

Reference: LE001

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.
WebSphere Commerce Suite, Pro Edition for OS/390, V4.1 provides a wide range of easy-to-use features and functions for content management, relationship marketing, order management, and payment management for total business transformation, integration, and growth. It manages the interface to the buyers, who can browse, save, query, and order items in the interactive catalog. WebSphere Commerce Suite supports a wide range of business models including business-to-consumer, business-to-business, and e-marketplaces. Commerce sites built with WebSphere Commerce Suite can easily integrate with internal and external systems and grow with the changing needs of an e-business. Benefit from the power of the WebSphere family, which integrates Web commerce, Web server, Web application development, transaction processing, and distributed component software.

WebSphere Commerce Studio with Catalog Architect (CA), both available separately, offer a powerful authoring and administration environment, allowing store personnel to design the buying process and create an interactive product catalog.


WebSphere Commerce Suite offers a wide range of new features and functions including:

- Industry-leading e-commerce platform
- WebSphere Commerce Studio to help developers, designers, and marketing professionals create, operate, and update dynamic e-commerce Web sites
- Improved relationship marketing capabilities to drive site traffic and sales, including new rules-based personalization
- Enhanced business integration with support for XML messages

**Industry-Leading E-commerce Platform:** These enhancements make WebSphere Commerce Suite the industry’s leading e-commerce product.

- WebSphere Commerce Suite is built on the industry-leading application server WebSphere Application Server, V3.
- JavaServer Page (JSP) enablement provides support for all catalog and product display, a significant step in the evolution to a full Java™ environment.
- Integration with IBM Payment Manager, V2.1 provides more payment options with cassettes for SET and CyberCash.
- Order notification lets merchants notify customers via e-mail to confirm an order.

**New Commerce Studio Tool Set**

- WebSphere Commerce Studio is built on WebSphere Studio V3, providing an easy-to-use toolset that can reduce time and effort when creating, managing, and debugging Web applications.
- Significant improvements in usability and functionality of site creation and management with:
  - Page Designer to hide the complexity of Web-page creation

**Improved Relationship Management:**

- Workbench to assist in managing the content and versioning of site pages
- Store Creator Wizard and Store Profile Editor to help you create and modify store information

**Improved Relationship Management:**

- Open cry (price is bid up)
- Dutch bid (price starts high and is bid down)
- Sealed bid (bid is confidential and viewable only by the seller)

- Product Advisor enables e-businesses to provide its customers with several methods to help them quickly find the right products based on features, or a friendly question-and-answer process using parametric searching. The Product Advisor feature supports WebSphere Studio and JSP.

**WebSphere CA Content Management:**

- CA is more powerful in creating and managing catalogs.
- Client/server database support enables centralized data with improved data sharing and access. CA can have the client and server running separate machines as well as supporting local databases.
- Enhanced Extensible Markup Language (XML) supports adding, modifying, and deleting catalog objects or creating and updating information in batch mode. CA supports a superset of the common Commerce Suite XML DTD.
- Merchantising support includes aggregation of items in kits, bundles, sets, and packages, and product or item associations with cross-sells, up-sells, or substitutions.
- Field values SQL access simplifies data entry and increases the validity of data. Users can create a drop-down list of pick values for populating CA.
- Ability to disable or enable show or hide fields that are not to be managed by CA. This enables certain fields that are sourced from inventory, availability, or other back-end ERP systems to be “turned off” so that they are not populated or validated by CA. This avoids any conflict between CA and these disabled or hidden fields.
- Improved migration for existing Commerce Suite stores. Migration retains existing reference numbers.
in Commerce Suite and avoids disabling any macros or orders that reference these numbers.

- Support for WebSphere Studio Store Creator for creating a store and the products contained within it.
- National language support is provided for CA in nine major non-English languages.

**Business Integration:**

Enhancements to business-to-business and business management include:

- Batch user registration allows one person to register up to tens of thousands of users in a single update rather than having to register them individually. This allows centralized control for access privileges and authorization levels.
- Order processing is improved with a quick order capability that bypasses many current steps, processes orders based on previous orders, and processes regularly scheduled orders automatically.

**Developer Edition, Professional Developer Edition, and CA:**

Both Developer Editions include WebSphere Studio; however, only the Professional Developer Edition includes Catalog Architect and tools to create a personalized Web experience for your customers. Developer Edition customers can order CA separately.

The Developer Edition, Professional Developer Edition, and CA are available only on a Windows NT platform. These products can be used to develop your site for an OS/390 system.

**Year 2000**

This product is Year 2000 ready. When used in accordance with its associated documentation, it is capable of correctly processing, providing, and/or receiving date data within and between the twentieth and twenty-first centuries, provided that all products (for example, hardware, software, and firmware) used with the product properly exchange accurate date data with it.

The service end date for this Year-2000-ready product is March 31, 2002.

**Trademarks**

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Windows NT is a trademark of Microsoft Corporation.

Java is a trademark of Sun Microsystems, Inc.

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Education Support

Education and Training

- WebSphere™ Commerce Suite for OS/390®, Version 4.1 Implementation: A WebSphere Commerce Implementation course is planned. This course provides the customer or Business Partner with the necessary skills to implement a fully functional WebSphere Commerce Suite system.

  After completing this course, attendees should be able to:

  - Describe the functions and components of the WebSphere Commerce Suite
  - Install and configure the system
  - Use the WebSphere Commerce Suite administration tools to create a single storefront or multiple stores and administrators

  The course is intended for system integrators and administrators who want to install, configure, and manage a WebSphere Commerce Suite system.

- WebSphere Catalog Architect, V4.1

  A WebSphere CA self-study course is available through IBM Education. It describes the various components of the CA product and how to use it to create a catalog with product information and how to migrate existing WebSphere Commerce Suite data into the CA database. It also covers the installation of the product.

  The course number is SV31-6622.

- e-business Innovation Centers

  e-business Innovation Centers are available for proof-of-concept and technical WebSphere Commerce Suite, V4.1 demonstrations. Contact your IBM representative for more information.

Offering Information

Product Information is available through Offering Information (OITOOL) at:

http://www.ibm.com/wwoi

Publications

A Program Directory (GI10-8233), License Information Booklet (GC27-0699), and the following IBM publications are shipped with the following products:

- WebSphere Commerce Suite, Pro Edition for OS/390, Version 4.1 Configuration Guide (SC27-0696); shipped with the suite only
- WebSphere Commerce Suite, Version 4.1 Fundamentals (GC09-2994); shipped with Developer Editions only, and can be ordered from IBM
- WebSphere CA for Windows NT™, Version 4.1 Installing and Getting Started Guide; shipped with CA only

You can order from IBM, IBM E-commerce Solutions (G310-0712), a six-page booklet that describes IBM expertise in e-commerce.

Displayable Softcopy Publications: The WebSphere Commerce Suite, Studios, and CA publications, as appropriate, are part of the product in PDF format.

An extensive online information system is also integrated into the product. Merchants can find conceptual, how-to, and reference information to help create virtual stores, and perform advanced customization. To access this information:

- Visit a URL on your own system after you install the product
- View or print PDF copies of the information
- Click on Help in the WebSphere Commerce Suite Administrator

Technical Information

Hardware Requirements: Hardware requirements will vary depending on the number of items in the store, the degree to which audio, video, and graphics are used, and the expected number of hits by customers per time interval.

Recommended Minimum WebSphere Commerce Suite, Pro Edition for OS/390 Requirements

- Laboratory testing has indicated that most customers would need 900 MB free disk space for program files and a minimum of 256 MB main memory running on a S/390® processor capable of running OS/390 V2R7, or later, with UNIX® system service enabled.
- Tape drive to install the product.
- Telecommunications equipment to connect the processor to the Internet.

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: http://www.ibm.com.
Recommended Minimum WebSphere Commerce Studio Requirements: IBM PC, or compatible, server with:

- Pentium® microprocessor at 166 MHz, or higher
- 256 MB RAM
- 520 MB free disk space for program files
- CD-ROM drive

Recommended Minimum WebSphere Catalog Architect Requirements: IBM PC, or compatible, server with:

- Pentium microprocessor at 400 MHz, or higher
- 128 MB RAM
- 400 MB free disk space for program files
- CD-ROM drive

Software Requirements: WebSphere Commerce Suite, Pro Edition for OS/390 requires:

- OS/390 V2R7 (5647-A01), or later
- DB2 Universal Database® Server for OS/390 V6R1 (5645-DB2®), or later
- WebSphere Application Server V3.02 Standard Edition (bundled with OS/390 operating system)
- IBM HTTP Server for OS/390, V5.1, or later (bundled with OS/390 operating system)
- Java™ Developers Toolkit (JDK) V1.1.8 (bundled with WebSphere Application Server, V3.0.2)

In addition, the WebSphere Commerce Suite Administrator requires the use of a standard Internet browser, such as Netscape Communicator V4.7, that supports Java, JavaScript, cookies, and frames.

Payment Manager for OS/390, V2.1 is included.

WebSphere Commerce Studio requires:

- Microsoft® Windows NT Server Version 4.0 with Service Pack 4
- Netscape Communicator 4.61

WebSphere Catalog Architect requires Microsoft Windows NT Server with Service Pack 5.

Programming skills are necessary for customization work.

Performance Considerations: Response time in an Internet environment depends on a variety of network and telecommunication factors, such as line speeds, local network constraints, and available processing capacity on the OS/390 server.

Planning Information

Customer Responsibilities: You must consider the installation, design, implementation, and maintenance of the WebSphere Commerce Suite system. It is recommended that IBM Global Services or Business Partners be used to assist in these activities, unless adequate in-house skills are available.

Customers and Business Partners should have the following skills to implement a complete WebSphere Commerce Suite system:

- Basic systems and network administration skills for OS/390 (including UNIX system services)
- Understanding of TCP/IP protocols including HTTP and SSL
- Experience with a Web browser such as Netscape Navigator 4.0

- Experience in administering the IBM HTTP Server for OS/390
- Experience in creating Web content using HTML and Java
- Understanding of relational database concepts
- Ability to perform basic SQL queries
- Programming skills for advanced customization

Installability: An upgrade from Net.Commerce for OS/390, V3 to WebSphere Commerce Suite, Pro Edition for OS/390, V4.1 is available. Contact your IBM representative for further details.

Direct Customer Support: Direct customer support is provided by OS/390 SupportLine. This service enhances customers’ productivity by providing voice and electronic access into the IBM support organization. The OS/390 SupportLine helps answer questions pertaining to usage and suspected software defects for eligible products.

Installation and technical support is provided by Global Services. For more information call 800-IBM-4YOU (426-4968).

Packaging: The WebSphere Commerce Suite, Pro Edition for OS/390, V4.1 package includes License Information, Proof of Entitlement (PoE), International Program License Agreement (IPLA), and Program Directory. The following are also included:

- Payment Manager, V2.1 including SET and CyberCash cassettes. The CyberCash cassette is only for use with CyberCash V3.2, which is only available in the U.S. and Canada, and not with CyberCash in any other country at the current time.

Security, Auditability, and Control

WebSphere Commerce Suites uses the security and auditability features of OS/390. In addition, the SSL protocol, an Internet open standard, is used to encrypt communications between the Web browser and the Web server. The Payment Manager of WebSphere Commerce Suite supports the SET Secure Electronic Transaction protocol.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Ordering Information

WebSphere Commerce Suite, Pro Edition for OS/390: WebSphere Commerce Suite, Pro Edition for OS/390, is priced per physical processor (engine) and per unique merchant site.

A merchant site is an independent store implemented as an instance of WebSphere Commerce Suite with a unique URL and separate database, or as a store within an electronic mall sharing a URL and database with other merchants. A different language version of the same store is an additional merchant site.

Software Subscription and Support: The annual price of Software Subscription and Support for the WebSphere Commerce Suite, Pro Edition for OS/390 (5697-G05)
depends on the number of processor license entitlements purchased.

**WebSphere Commerce Suite, Pro Edition for OS/390**: To order each license, specify the program number 5697-G05, feature number 9001 for asset registration, feature number and media feature shown below. Media feature number 5801 (9/6250 tape) or 5802 (3480 cartridge) may be specified in lieu of feature number 6219 (4-mm DAT).

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Feature</th>
<th>Media Feature</th>
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<tr>
<td>WebSphere Commerce Suite, Pro Edition for OS/390, V4.1</td>
<td>per processor</td>
<td>0003 6219</td>
</tr>
<tr>
<td></td>
<td>per merchant</td>
<td>0004 N/A</td>
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</table>

Contact your IBM representative for upgrades from Net.Commerce to WebSphere Commerce Suite.

WebSphere Commerce Suite, Pro Edition for OS/390 does not include WebSphere Commerce Studio or Catalog Architect. Refer to Software Announcement 200-007, dated February 1, 2000, for more information.

**Software Subscription and Support**: Software Subscription and Support (5655-D88) for the WebSphere Commerce Suite, Pro Edition for OS/390 (5697-G05) is provided and licensed under the IBM Agreement for Acquisition of Programs and Support (Z125-5790), or IBM International Agreement for Acquisition of Support (Z125-6011), or IBM International Agreement for Acquisition of Programs and Support (Z125-5599) with the Attachment for Support and its Addendum for WebSphere Commerce Suite, Pro Edition for OS/390 (Z125-6325).

This 5655-D88 order establishes entitlement records worldwide as well as support for 5697-G05. If a 5655-D88 order is not placed, the customer will not be entitled to support.

The Software Subscription and Support provides:
- Corrections that fix substantial deviations of unmodified products from the then-current code, publications, and informal documentation (that is, release notes and memos).
- Software product updates that are improvements, extensions, and other changes IBM at its discretion, deems to be reasonable.
- Service tapes and new releases at no additional charge.
- Technical support:
  - Telephone, fax, or e-mail where available during normal IBM business hours from Monday through Friday, except local holidays.
  - Temporary fixes for problems (where known), answers to questions, and fixes where they exist.
  - A reasonable amount of assistance by mail or telephone in the event of difficulties in the use of, or the interpretation of, results from WebSphere Commerce Suite, Pro Edition for OS/390.
- Refer to the Addendum for WebSphere Commerce Suite, Pro Edition for OS/390 (Z125-6325) for contact information.

On-site (local) support, although available, is provided as part of the IBM portfolio of fee-based services.

Service fixes will be available from IBM Software Distribution and Fulfillment (SDF). It is the customer’s responsibility to apply these fixes.

To order the Software Subscription and Support, specify 5655-D88 and the feature number shown below.

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Feature</th>
<th>Media Feature</th>
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<tbody>
<tr>
<td>WebSphere Commerce Suite, Pro Edition for OS/390, (5697-G05)</td>
<td>per processor</td>
<td>0001 N/A</td>
</tr>
</tbody>
</table>

**Customization Options**: Select the appropriate feature numbers to customize your order with delivery options desired. These features can be specified on the initial or MES orders.

**Example**: If publications are not desired for the initial order, specify feature number 3470 to ship media only. If, in the future, publication updates are required, order an MES to remove feature number 3480; the publications will be shipped with the next release of the program.

**Description**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Number</th>
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<tr>
<td><strong>Initial Shipments</strong></td>
<td></td>
</tr>
<tr>
<td>Serial number only (suppresses shipment of media and documentation)</td>
<td>3444</td>
</tr>
<tr>
<td>Ship media only (suppresses initial shipment of documentation)</td>
<td>3470</td>
</tr>
<tr>
<td>Ship documentation only (suppresses initial shipment of media)</td>
<td>3471</td>
</tr>
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**Update Shipments**

<table>
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</thead>
<tbody>
<tr>
<td>Ship Media updates only (suppresses update shipment of documentation)</td>
<td>3480</td>
</tr>
<tr>
<td>Ship documentation only (suppresses update shipment of media)</td>
<td>3481</td>
</tr>
<tr>
<td>Suppress updates (suppresses update shipment of media and documentation)</td>
<td>3482</td>
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** Expedite Shipments**

<table>
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<th>Feature</th>
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<tbody>
<tr>
<td>Local IBM office expedite (for IBM use only)</td>
<td>3445</td>
</tr>
<tr>
<td>Customer expedite process charge ($30 charge for each product)</td>
<td>3446</td>
</tr>
</tbody>
</table>

Expedite shipments will be processed to receive 72-hour delivery from the time IBM SDF receives the order. SDF will then ship the order via overnight air transportation.

**Terms and Conditions**

**Licensing**: IBM IPLA. PoE are required for all authorized use.

**Limited Warranty**: Yes

**Program Services**: Available until March 31, 2002
Money-Back Guarantee: Two-month, money-back guarantee

Copy and Use on Home/Portable Computer: No

Volume Orders: No

Passport Advantage Applies: No

Passport Advantage Subscription Applies: No

Support Line: Yes

AIX®/UNIX Upgrade Protection Applies: No

Entitled Upgrade for Current AIX/UNIX Upgrade Protection Licensees: No

Variable Charges Apply: No

Educational Allowance: Yes, 15% education allowance applies to qualified education institution customers.

Charges

WebSphere Commerce Suite, Pro Edition for OS/390

WebSphere Commerce Suite, Pro Edition for OS/390 is priced per physical processor (engine) and per unique merchant site.

A merchant site is an independent store implemented as an instance of WebSphere Commerce Suite with a unique URL and separate database, or as a store within an electronic mall sharing a URL and database with other merchants. A different language version of the same store is an additional merchant site.

To order each license, specify the program number 5697-G05, feature number 9001 for asset registration, appropriate media feature and the feature number shown below.

<table>
<thead>
<tr>
<th>Program Name</th>
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<td>0003</td>
<td>$30,000</td>
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<tr>
<td>per processor</td>
<td>0004</td>
<td>8,000</td>
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</tbody>
</table>

1 One-time charge

Contact your IBM representative for upgrades from Net.Commerce to WebSphere Commerce Suite.

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To order the Software Subscription and Support, specify 5655-D88 and the feature number shown below.

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<tr>
<th>Program Name</th>
<th>Feature Number</th>
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<td>0001</td>
<td>$6,800</td>
</tr>
<tr>
<td>V4.1 (5697-G05) per processor</td>
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</table>

Customer Financing: IBM Global Financing offers attractive financing to credit-qualified commercial and government customers and Business Partners in more than 40 countries around the world. IBM Global Financing is provided by the IBM Credit Corporation in the United States. Offerings, rates, terms, and availability may vary by country. Contact your local IBM Global Financing organization. Country organizations are listed on the Web at:

http://www.financing.ibm.com

Order Now

Use Priority/Reference Code: LE001

Phone: 800-IBM-CALL
Fax: 800-2IBM-FAX
Internet: ibm_direct@us.ibm.com
Mail: IBM Atlanta Sales Center
dpt. LE001
P.O. Box 2690
Atlanta, GA 30301-2690

You can also contact your local IBM Business Partner or IBM representative. To identify them, call 800-IBM-4YOU.

Note: Shipments will begin after the planned availability date.

Trademarks

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Windows NT and Microsoft are trademarks of Microsoft Corporation.
Java is a trademark of Sun Microsystems, Inc.
UNIX is a registered trademark in the United States and other countries exclusively through X/Open Company Limited.
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Year 2000 Readiness Disclosure