

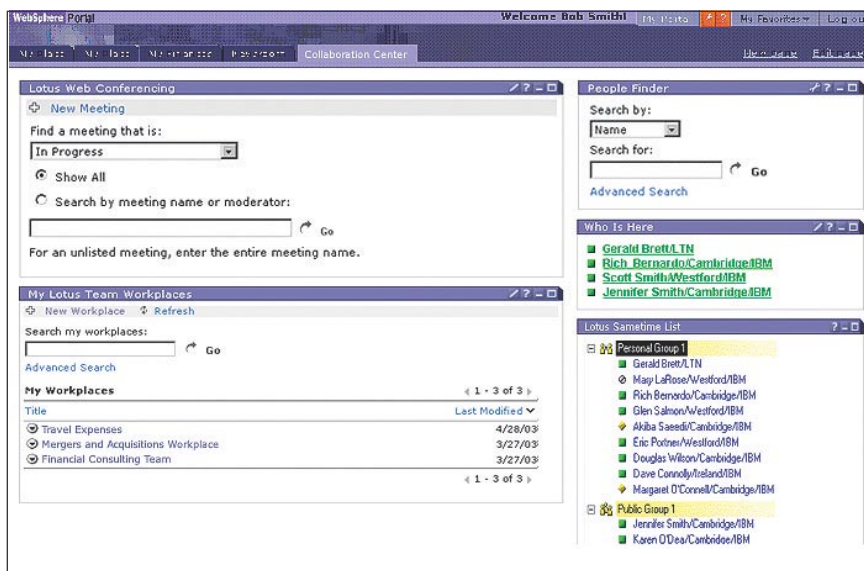
## IBM WebSphere Portal Extend for Multiplatforms, Version 5.0

### Highlights

- **Delivers a single, universal point of access that is integrated, highly customizable, extensible and scalable to interact with key applications, content, people and business processes**
- **Is built on the award-winning WebSphere Application Server, Version 5 platform, using J2EE standards to optimize performance**
- **Provides integrated Web services so you can quickly deploy portlets**
- **Gives users a content publishing, document management and personalization interface that lets them create and target portal content in one step**
- **Offers numerous portlets for e-mail, calendars, syndicated news, industry applications and many other functions**
- **Provides powerful collaboration by sharing, organizing and creating transactions, information, business processes and applications with other portal users**

### The e-business on demand workplace

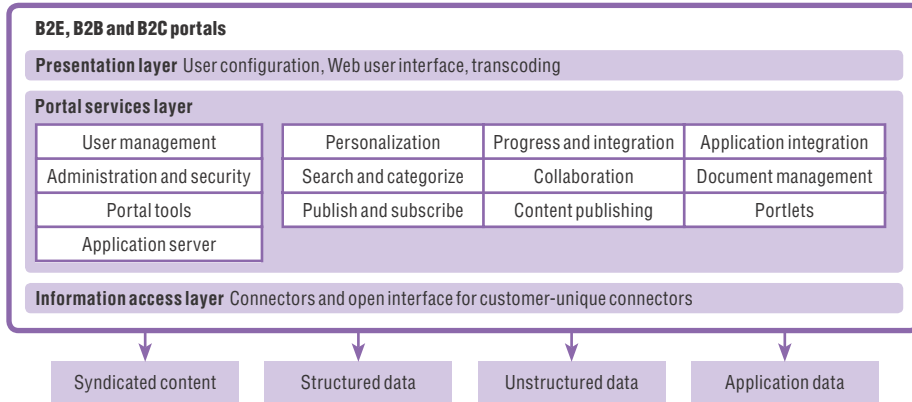
Moving critical business functions to Web-based infrastructures, companies today can react quickly to a growing number of users, Web technologies, mergers, acquisitions, alliances and competition. You want to maximize the return on your investments in employees, trading partners, customers and technology. And to do so, you need to improve employee productivity and increase customer loyalty with a limited IT budget. At the same time, you need to deliver personalized, interactive, security-rich access to key business resources.



WebSphere Portal Extend for Multiplatforms, Version 5.0 helps you develop and maintain portals, and gives access to personalized information and applications.

**Industry portals** Banking and finance, insurance, retail, government, telecommunications, others

**Communities in a company** Development community, sales community, marketing community, prebuilt workspaces, all-employee portal, others



A high-level architectural view of WebSphere Portal

IBM WebSphere® Portal consists of two packaged offerings:

- IBM WebSphere Portal Enable
- IBM WebSphere Portal Extend

With WebSphere Portal features, you can improve return on investment (ROI) because they help you:

- Reduce IT support expense by enabling the integration of resources with a single, secure user interface.
- Increase business agility and throughput by aggregating business information into focused, relevant content for users.
- Promote customer and trading partner loyalty through access to personalized, security-rich and interactive portals.

- Reduce costs associated with developing, deploying and maintaining your unique e-business portal by delivering a comprehensive, industry-leading portal solution built on open standards.

This spec sheet describes the WebSphere Portal Extend packaged offering.

**WebSphere Portal Extend—the optimal portal infrastructure for midsize to large companies**

WebSphere Portal Extend for Multiplatforms, Version 5.0 (WebSphere Portal Extend) includes all the robust features of WebSphere Portal Enable

and introduces collaboration capabilities, enterprise search functions and Web visitor-usage analysis. These features include:

- Individual and shared team workspaces with built-in collaborative capabilities
- Parallel, distributed, heterogeneous searching capability
- Ability to gain vital business intelligence through analyzing how visitors use your Web site portals

**Increased productivity through robust collaboration capability**

WebSphere Portal Extend features a collaboration center that eliminates the barriers between applications—and with them, barriers to productivity. The collaboration center allows you to build and deploy collaborative intranet and employee portals. Communication and collaboration tools help give you and your employees instant access to people and information.

Preconfigured portlets integrated with your employee portal can help you:

- Find people easily and connect with them instantly using an employee directory that includes reports-to chain information.
- Set up and administer Web conferences, group calendars and assigned tasks.
- Create and manage customizable online workplaces for individuals, teams or communities within a personalized portal.

- *Send and receive instant messages from colleagues, and track their online availability.*
- *Collaborate about documents stored in document libraries.*
- *Share information between packaged portlets.*

With award-winning collaboration technology, WebSphere Portal Extend helps portal users work together and act on information as they view it. The benefit to your company can be fewer barriers, greater productivity.

#### **Save time by optimizing your use of information**

To solve problems quickly, WebSphere Portal Extend lets you make ad hoc queries to gather new information. With extended search capabilities, users can search across an expanded variety of data stores, popular Web search engines and text or HTML documents.

You can use these search capabilities across the data sources in parallel. And combine the results into a consolidated list of matching documents. All to avoid serial data source searches and helping you save time.

WebSphere Portal Extend includes Web analysis technology to help you obtain and leverage critical knowledge to optimize your portal capabilities, enabling you to:

- *Make informed decisions about Web initiatives easily.*
- *Maximize business-to-employee (B2E), business-to-business (B2B) and business-to-consumer (B2C) Web site effectiveness for your IT, marketing and sales executives.*
- *Capture, store, measure and report your Web site visitor trends and preferences.*

New capabilities in WebSphere Portal Extend, Version 5.0 include:

- *An online company directory with people awareness*
- *Information sharing among portlets with integrated instant messaging*
- *An improved search engine for searching metadata, XML, more document types and a Web scanner function*
- *Summarization and categorization, available with the search engine*

WebSphere Portal Extend, Version 5.0 provides:

- *Increased productivity through robust collaboration capabilities, giving users instant access to people and information they need*
- *A higher degree of user satisfaction with personalized, dynamic and reliable portal access*

- *Opportunity to improve revenue by being faster to market with rapid deployment and integration of business applications and processes using click-to-action (C2A) technology and Application Integrator portlet builders*
- *Acceleration of time to value by providing timely responses to the needs for information of customers, business partners and employees and access to business processes and people*
- *Cost avoidance by delivering repeatable solutions and asset reuse*

#### **A proven, reliable foundation**

It's not enough to provide users with a single access point to personalized Web content. You want to ensure that your portal is built on a sound foundation that can scale as your business grows. The foundation of the WebSphere software platform for e-business is award-winning IBM WebSphere Application Server, Version 5—an open, cross-platform, Java™ technology-based solution.

WebSphere Application Server provides performance and scalability with application-level workload management and clustering. So you can get your e-business applications up and running quickly. Transform static information into dynamic Web content. And make it available to users fast.

## IBM WebSphere Portal Extend for Multiplatforms, Version 5.0 package

Component	Description	Platform
Portal server	Is a Java 2 Platform, Enterprise Edition (J2EE) application that runs on WebSphere Application Server; provides the WebSphere Portal framework to desktops and mobile devices of portal users; creates an environment that provides the connectivity, administration and presentation services required; includes IBM Cloudscape™, Version 5.1 with Fix Pack 13, Productivity Components, administration portlets, business portlets and Document Manager.	Microsoft® Windows® 2000 Server; IBM AIX®; Linux on Intel®; Linux on zSeries®; and Sun Solaris operating environment
WebSphere Application Server Enterprise, Version 5.0 Fix Pack 1	Provides J2EE services for WebSphere Portal environment; executes the Java portlets, JavaBeans components, JavaServer Pages (JSP) files and Enterprise JavaBeans (EJB) components used by WebSphere Portal; provides strong integration to databases, message-oriented middleware legacy systems and applications, along with clustering support; includes IBM HTTP Server and deployment manager.	Windows 2000 Server; AIX; Linux on Intel; Linux on zSeries; and Solaris operating environment  (The deployment manager component of WebSphere Application Server is not supported on the Linux on zSeries platform.)
IBM Directory Server, Version 5.1	Is a Lightweight Directory Access Protocol (LDAP) directory that stores, updates and retrieves user-specific data related to authentication.	Windows 2000 Server; AIX; Linux on Intel; Linux on zSeries; and Solaris operating environment
IBM DB2® Universal Database™ Enterprise Server Edition, Version 8.1 with Fix Pack 1	Stores portal configuration data, as well as portal-specific data, access-control data and user data.	Windows 2000 Server; AIX; Linux on Intel; Linux on zSeries; and Solaris operating environment
Portal toolkit	Provides the capability to customize and manage the portal and create, test, debug and deploy individual portlets and Web content; plugs into IBM WebSphere Studio Site Developer and IBM WebSphere Studio Application Developer.	Windows 2000 Server
WebSphere Studio Site Developer, Version 5.0 with Fix Pack 1	Provides an integrated development environment for building, testing and deploying J2EE applications; provides integrated development support for building J2EE applications with HTML pages, servlets, JSP and EJB components; also creates Web service applications with open standards, generates XML documents from Document Type Definitions (DTDs), and enables a collaborative team development environment; enables end-to-end local and remote testing and creates high-quality applications using wizards, code generators and best practices.	Windows 2000 Server; and Linux on Intel—Red Hat or SuSE
WebSphere Portal content publishing	Includes content creation process, versioning of content, coordination of approval and publishing process, workflow process and two personalization technologies.	Author time: Windows 2000 Runtime: Windows 2000; AIX; Linux on Intel; Linux on zSeries; and Solaris operating environment
IBM Tivoli® Web Site Analyzer, Version 4.5	Provides information about site health (including availability and performance).	Windows 2000 Server; AIX; Linux on Intel; and Solaris operating environment

**IBM WebSphere Portal Extend for Multiplatforms, Version 5.0 package (continued)**

<b>Component</b>	<b>Description</b>	<b>Platform</b>
IBM WebSphere Translation Server, Version 5.0	Provides Web pages, e-mail messages and chat conversation in multiple languages, in real time; consists of machine translation (MT) engines for translating text from one language into another language, user Dictionary Manager tools that allow specific words to be added to a domain and support for WebSphere Application Server and HTTP servers from Microsoft, Netscape, Apache and IBM.	Windows 2000; AIX; Linux on Intel — Red Hat; and Solaris operating environment
IBM Lotus® Collaborative Components	Provides user-neutral, application programming interface (API) methods and tag libraries that allow developers that write portlets for WebSphere Portal to add Lotus software collaborative functionality to their portlets. Application developers using Lotus Collaborative Components can design and implement user interface extensions that leverage the features of IBM Lotus Domino™, IBM Lotus Team Workplace (IBM Lotus QuickPlace®), IBM Lotus Instant Messaging (IBM Lotus Sametime® instant messaging and awareness), IBM Lotus Web Conferencing (IBM Lotus Sametime e-meetings) and IBM Lotus Discovery Server™	Windows 2000; AIX; Linux on Intel; Linux on zSeries; and Solaris operating environment
IBM Lotus Collaboration Center	Provides an integrated framework of e-workplace components for finding, connecting and working with people.	Windows 2000; AIX; Linux on Intel; and Solaris operating environment
IBM Lotus Extended Search, Version 4.0	Supports searching across distributed, heterogeneous, structured and unstructured data sources through a single point of access	Windows 2000; AIX; and Solaris operating environment
Instant messaging and online awareness	Is based on Lotus Instant Messaging (Lotus Sametime instant messaging and awareness), Version 3.0 technology. License use is restricted to the Portal server.	Windows 2000; AIX; and Solaris operating environment
Virtual teamrooms	Is based on Lotus Team Workplace (Lotus QuickPlace), Version 3.0.1 technology. License use is restricted to the Portal server.	Windows 2000; AIX; and Solaris operating environment

## IBM WebSphere Portal Extend for Multiplatforms, Version 5.0 at a glance

Requirement	Comments
Windows 2000, AIX, Linux on Intel, Linux on zSeries, and Solaris operating environment	<p><i>Hardware</i></p> <ul style="list-style-type: none"> <li>• IBM-compatible PC with Windows 2000 Server with Service Pack 2 or Service Pack 3, Windows 2000 Advanced Server with Service Pack 2 or Service Pack 3, Red Hat or SuSE operating environment</li> <li>• IBM @server™ pSeries™ with AIX, Version 5.1 ML3 or Version 5.2 operating environment</li> <li>• Sun processor with Solaris operating environment, Version 8</li> <li>• IBM @server zSeries or IBM S/390® Parallel Enterprise Server™ capable of running SuSE Linux Enterprise Server, Version 7 (31-bit) operating environment</li> </ul> <p><i>Software</i></p> <ul style="list-style-type: none"> <li>• Windows 2000 Server with Service Pack 2 or Service Pack 3, or Windows 2000 Advanced Server with Service Pack 2 or Service Pack 3 operating environment</li> <li>• Linux Intel—Red Hat Advanced Server 2.1, Red Hat Linux 8.0 or SuSE 7.3, SuSE Linux Enterprise Server, Version 7 or SuSE Linux Enterprise Server 8 operating environment</li> <li>• AIX, Version 5.1. ML3 or Version 5.2 operating environment</li> <li>• Solaris operating environment, Version 8</li> <li>• Linux on zSeries— SuSE Linux Enterprise Server 7 operating environment</li> </ul>
WebSphere Application Server Enterprise, Version 5.0 with Fix Pack 1	The following electronic fixes and installation requirements: PQ73644_fix-temp.jar and WAS_Dynacache_05-08-2003_5.0.1_cumulative_fix.jar
Datstores supported	<ul style="list-style-type: none"> <li>• IBM Informix®, Version 9.3 or Version 9.4</li> <li>• Cloudscape, Version 5.1 with Fix Pack 13</li> <li>• Microsoft SQL Server Enterprise 2000 Service Pack 3</li> <li>• DB2 Universal Database for z/OS® and OS/390®, Version 7.1</li> <li>• DB2 Universal Database Enterprise Server Edition, Version 8 with Fix Pack 1</li> <li>• DB2 Universal Database, Version 7.2 with Fix Pack 7 and Fix Pack 8</li> <li>• Oracle 8i, Version 8.1.7</li> <li>• Oracle 9i, Version 9.2.0.1</li> </ul>
LDAP servers supported	<p>WebSphere Portal Server, Version 5.0 has been tested with and officially supports the following LDAP servers:</p> <ul style="list-style-type: none"> <li>• IBM Directory Server, Version 4.1 and Version 5.1</li> <li>• Lotus Domino Enterprise Server, Version 5.0.12</li> <li>• Lotus Domino, Version 6.0</li> <li>• Sun ONE (formerly iPlanet) Directory Server 5.0</li> <li>• Microsoft Active Directory (as included with Windows 2000 Server)</li> <li>• Novell eDirectory 8.6</li> </ul> <p>Note: The tested and supported features of these directories with WebSphere Portal are relatively simple search and retrieval functions for user and group objects. Functions outside this scope, such as dynamic groups, referrals or the Active Directory Global Catalog feature, are considered advanced features and have not been tested with WebSphere Portal. Work with your LDAP providers for additional support for these features.</p>
Web browsers supported	<p><i>Windows platform:</i></p> <ul style="list-style-type: none"> <li>• Internet Explorer 5.5 and 6.0</li> <li>• Opera 6.0, 6.1 and 7.0</li> </ul> <p>Note: C2A technology requires Internet Explorer 5.5 or higher. WebSphere Portal content publishing requires Internet Explorer 5.5 or higher, or Netscape.</p> <p><i>Windows, Linux, AIX, Solaris operating environment:</i></p> <ul style="list-style-type: none"> <li>• Netscape 6.2 and 7.0</li> <li>• Mozilla 1.0.2, 1.2.1 and 1.3</li> </ul> <p>Note: Productivity Components requires one of the following browsers: Internet Explorer 5.5, Netscape 7.1 or Mozilla 1.4 .</p>
Disk space: 2GB or higher	2GB is adequate, if you use the installation program to install WebSphere Application Server, IBM HTTP Server and WebSphere Portal.
Memory: 1024MB or higher	None

### For more information

Scalable. Flexible. Built for ROI. The WebSphere software platform for e-business and IBM WebSphere Portal Extend for Multiplatforms enable you to develop and maintain B2E, B2B and B2C portals, helping to build customer loyalty and increase employee productivity in the process. To learn more about WebSphere Portal Extend and for details about specifications, visit:

[ibm.com/websphere/portal](http://ibm.com/websphere/portal)



© Copyright IBM Corporation 2003

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

Produced in the United States of America  
07-03  
All Rights Reserved

AIX, Cloudscape, DB2 Universal Database, Domino, the e-business logo, @server, IBM, the IBM logo, Informix, Lotus, Lotus Discovery Server, OS/390, pSeries, QuickPlace, S/390 Parallel Enterprise Server, Sametime, Tivoli, WebSphere, z/OS and zSeries are trademarks of International Business Machines Corporation in the United States, other countries or both.

Intel is a trademark of Intel Corporation in the United States, other countries or both.

Microsoft and Windows are trademarks of Microsoft 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.