

Software Middleware solutions for the on demand world



IBM

Catalogue Australia/New Zealand 2005

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integrated access to diverse business information (Page 19)

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IBM SOFTWARE PORTFOLIO

The IBM software portfolio is an award-winning, comprehensive and integrated set of solutions based on open standards.

DB2. Information Management Software Managing and integrating data and content

Lotus, software Integrating people with business processes

Rational. software Software and system development

Tivoli. software Intelligent management

WebSphere, software Transaction management and integration

THE IBM COMMITMENT TO LINUX—285 SOFTWARE PRODUCTS AND GROWING

IBM is committed to Linuxthe open standards-based operating system. Unlike proprietary operating systems, Linux is publicly open and extendible by contributors. Its unsurpassed flexibility allows it to run on a wide range of platforms, from pervasive devices to the mainframe and everywhere in between. With more than 285 software products available on Linux, the IBM software portfolio represents one of the most extensive in the world.

Learn more about IBM and Linux at ibm.com/ software/linux/resource



Why IBM?

At IBM, nothing excites us more than the opportunity to help a customer become an On Demand Business. Customers of all sizes, in all industries and around the world - companies just like yours - leverage IBM's vision, experience and technological expertise to integrate business processes and respond rapidly to changes and opportunities.

In each of our five software brands. IBM creates products and solutions that help our customers with their business transformation initiatives. You can:

- · Create a foundation for on demand information with IBM DB2[®] software for Linux[®], UNIX[®] and Microsoft[®] Windows[®] platforms.
- Optimise the productivity of your people with IBM Lotus[®] software such as IBM Lotus Notes[®]. IBM Lotus Domino[®], IBM WebSphere[®] Portal and new IBM Lotus Workplace products.

- Build, extend, modernise, integrate and deploy software with IBM Rational® software, which leverages open standards and the universal Eclipse framework to deliver the tools and best practices that power the IBM Software Development Platform.
- · Maximise the health of your IT environments, align IT resources to business goals, automate and proactively respond to change, and enable secure and efficient access to data and information with IBM Tivoli® software for intelligent infrastructure management.
- Deliver a broad range of business integration capabilities and key components to enable a service-oriented architecture with IBM WebSphere software.

Adding to the strength of our individual products, IBM software operates together to enable you to address immediate business pains - even as you maximise your flexibility to adapt to a changing business environment.

Two ways to find the software you need in this catalogue.

- **1.** By category. Is your primary interest security solutions or application servers? Then go straight to those sections and quickly find what you need (see page 1).
- 2. By IBM software brand and operating system. Already know what you want? Consult the convenient chart on pages 32-33 to locate products by IBM software brand and to verify supported operating systems.

If you can't find what you are looking for in this catalogue, visit the IBM software online catalogue at ibm.com/software/catalog/online for even more software products and related technical information.

Categories

Corresponding offerings

- Add to the value of your core set of IBM software by
- expanding functionality with these compatible products
- created and tested to complement each other. *Includes* DB2, Lotus, Tivoli and WebSphere offerings.

IBM Express Middleware

- Combine speed with simplicity. Designed for the
- midsized business, IBM Express Middleware offerings are easy to buy, install, integrate, learn and manage. Includes DB2. Lotus and WebSphere offerings.

Application servers

Provide a proven, secure and flexible application environment — the foundation of your On Demand Business. Includes Lotus and WebSphere offerings.

Portal/commerce

Forge strong business-to-employee (B2E), businessto-business (B2B) and business-to-consumer (B2C) relationships, and offer online transaction and self-service capabilities. *Includes Lotus and* WebSphere offerings.

Business integration

- Connect people, processes and information across and
- beyond your enterprise. *Includes DB2, Lotus, Tivoli and*
- WebSphere offerings.

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HOW TO PURCHASE Please call **1800 808 066** in Australia or **0800 772 207** in New Zealand, Monday through Friday during local business hours.

PRODUCT PRICING

The prices listed in this catalogue include one license and 12 months of software maintenance and reflect suggested retail price. Your prices may be lower based on your purchase history or membership in IBM Passport Advantage™

If you are not a member of IBM Passport Advantage, join today for future purchases, and you may qualify for additional savings. This program will consolidate your account with a common set of agreements, processes and tools. Learn more at **ibm.com**/software/passportadvantage

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In Australia visit ibm.com/software/au/catalogue or call 1800 808 066. In New Zealand visit ibm.com/software/nz/catalogue or call 0800 772 207.

Manage, analyse, integrate and deliver data and content, enabling you to effectively leverage information. Includes DB2 and Lotus offerings. Software development Attain a complete, proven, open and modular solution for building, integrating, extending and modernising software with the IBM Software Development Platform. Includes Lotus, Rational, Tivoli and WebSphere offerings.

Security

Messaging and collaboration

Capture and apply essential knowledge, and collaborate in real time. Includes Lotus offerings.

Information management

Protect your vital computing resources to provide data integrity and confidentiality. Includes Tivoli offerings.

Systems management

Monitor, control, dynamically provision and optimise vour on demand computing environment. *Includes* Tivoli offerinas.

Storage management

Keep your storage infrastructure highly available. protected, recoverable and virtualised with the IBM TotalStorage[®] Open Software Family of offerings. Includes Tivoli offerings.



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DEMAND BUSINESS

DB2. Information Management Software Managing and integrating data and content

Lotus. software Integrating people with business processes

Tivoli. software Intelligent management

WebSphere, software Transaction management and integration

"IBM solutions are fantastic in helping companies improve collaboration and integrate processes so that users can work according to business needs and market requirements."

Francesco Breda Managing Director Pragma Management Systems

Corresponding offerings

IBM offers software products that can be easily added to your current infrastructure to maximise the value of your existing IT investments. These products, created and tested by IBM to complement each other, can integrate seamlessly with your resources to accelerate ROI as you add new components to meet your evolving business needs.

Attention IBM Tivoli Configuration Manager customers

If you already have Tivoli Configuration Manager, buy IBM Tivoli Provisioning Manager and save 50 percent off the regular price. You already use Tivoli Configuration Manager to coordinate software distribution for your company, so extend that functionality by automating the server configuration and deployment for the data centre with Tivoli Provisioning Manager.

IBM Informix[®] and IBM WebSphere Enterprise Bundle

Significant savings on a secure, scalable online transaction processing database — extended to the Web. Buy IBM Informix and IBM WebSphere products together for an integrated solution to online transactions and Web services. Enjoy savings of up to 25 percent when you purchase these products together instead of separately.

IBM Informix Dynamic Server (IDS)

A scalable, online transaction processing database for workgroup and enterprise computing that protects data assets in a dependable database management system. Built on dynamic, scalable architecture that minimises hardware requirements and enables efficient use of large disk drives. High Availability Data Replication provides turnkey disaster recovery. Enterprise replication provides selective replication of data across geographic locations. Automated backup and restore functions can help eliminate many manual administration tasks.

IBM WebSphere Application Server

A leading Web services and JavaTM-based application server that integrates enterprise data and transactions. Supports Software Developer Kit (SDK) 1.4 as the first step toward J2EE[™] 1.4 compliance, allowing enterprises to use Java technology to develop demanding business applications with less effort and less time.

IBM WebSphere Studio Application Developer

An integrated application development environment for creating and maintaining the Java 2 platform, J2EE applications and Web services. Built on Eclipse, Version 2.1 innovations and written to J2EE specifications, WebSphere Studio Application Developer helps optimise and simplify J2EE application development with best practices, visual tools, templates, code generation and a leading comprehensive development environment in its class.

If you have IBM DB2 Universal Database.™ extend the capabilities of that investment with these compatible products:

IBM Lotus Enterprise Integrator

High-performance, scalable exchange of data between Domino and native access to host and relational data systems. With point-and-click ease, create, manage and schedule batch and real-time access to provide integration with relational systems such as DB2 and Oracle databases or Enterprise Resource Planning (ERP) systems such as SAP.

IBM Tivoli Storage Manager

Part of the IBM TotalStorage Open Software portfolio. Tivoli Storage Manager protects an organisation's data from hardware failures and other errors by storing backup and archive copies of data on offline storage. Scales to protect hundreds of computers running dozens of operating systems.

IBM WebSphere Application Server

A leading Web services and Java-based application server that integrates enterprise data and transactions. Supports Software Developer Kit (SDK) 1.4 as the first step toward J2EE 1.4 compliance.

IBM WebSphere MQ

Delivers reliable application-to-application connectivity. providing a foundation on which to build and develop integration solutions across more than 35 platforms. Provides the Java Message Service (JMS) and supports the Secure Sockets Layer (SSL) protocol. Enables pointto-point and publish-and-subscribe styles of messaging.

IBM WebSphere Portal Enable

Facilitates the building of portals to simplify and accelerate access to personalised information and applications. Provides document management, application integration and administration features on a robust platform that can scale to the needs of larger enterprises.

ON DEMAND BUSINESS





2 Corresponding offerings

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IBM DB2 CommonStore for Lotus Domino

If you have Lotus Domino, extend the capabilities of that investment with these compatible products:

Offers robust and scalable e-mail archive management solutions. Helps users minimise storage costs, optimise performance of e-mail systems and increase security and audit readiness.

IBM DB2 Universal Database

Simplifies and automates database management systems. Full-featured, robust, scalable and easy to use.

IBM Tivoli Monitorina for Messaging and Collaboration

Monitors the status of Domino servers, identifies server and system problems in real time, notifies administrators and takes automated actions to resolve Domino server problems.

IBM WebSphere Portal - Express

Deploys portals for employees, trading partners and customers on which the content, applications, portal page organisation and graphic appearance have been customised for each user's needs.

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DB2. Information Management Software Managing and integrating data and content

Lotus. software

Integrating people with business processes

WebSphere. software Transaction management and integration

"We selected DB2 UDB Express and WebSphere Application Server -Express as the foundation for our OpenLoad tool because they help us deliver high-end database functionalities and features to small and medium-sized businesses at a cost structure that matches their needs."

Willie Williams Vice President Sales and Business Development OpenDemand

IBM Express Middleware

IBM Express Middleware provides best-of-breed functionality from the ground up for midsized businesses. The offerings are certified to meet benchmarks in ease of use, installation and total cost of ownership. When you purchase IBM Express Middleware, you get what you need to install and run the product for one low price. IBM Express Middleware requires only a single server, runs on key operating systems and can be easily upgraded as your business grows.

IBM DB2 Universal Database Express Edition Provides a full-function relational database management system. Self-tuning, self-managing and self-configuring capabilities increase reliability while minimising complexity.

D52BILLAU\$1.038* / NZ\$1.202* per server D52BKLLAU\$206* / NZ\$239* per user D535PLLAU\$8.106* / NZ\$9.389* per CPU

IBM DB2 Content Manager Express Edition

Delivers content management, production imaging and document workflow in one package. Includes storage and management of content in various formats --- text. image, fax and more.

D52WVLLAU\$20,934* / NZ\$24,349* per server D52WXLL......AU\$2,374* / NZ\$2,761* per user

IBM DB2 Everyplace[®] Express Edition

Provides an attractively priced mobile database and synchronisation solution for small and medium businesses.

D52XJLLAU\$788* / NZ\$913* per server D52XLLL......AU\$164* / NZ\$190* per user

IBM Lotus Domino Collaboration Express

Allows customers to use both the messaging and collaborative capabilities of Domino. Supports the full range of client access types - from simple Web mail and browser applications, through standards-based POP3 and IMAP e-mail. to rich. dynamic HTML-based messaging, to Lotus Notes or Microsoft® Outlook®. Provides multiple types of access to the same mail and applications, such as Lotus Notes e-mail at the office and Lotus Domino Web Access from airport Internet kiosks. D52VQLL ..AU\$205* / NZ\$229* per user/1,000 user maximum

IBM Lotus Domino Messaging Express

Offers business-grade messaging and group scheduling software. Supports the full range of client access types - from simple Web mail and browser applications, through standards-based POP3 and IMAP e-mail, to rich, dynamic HTML-based messaging, to Lotus Notes or Microsoft® Outlook®. Provides multiple types of access to the same mail and applications, such as Lotus Notes e-mail at the office and Domino Web Access from airport Internet kiosks. D53V5LL ... AU\$148* / NZ\$165* per user/1.000 user maximum

IBM Lotus Domino Utility Express

Provides virtually unlimited access to collaborative applications (not individual mail files). Customers can choose to access their Domino applications through a Web browser or through a separately purchased Lotus Notes client. Makes applications available to users internal to your company, as well as to external users. Users can choose to access Domino applications through a Web browser or through a separately purchased Lotus Notes client license to make applications available to internal or external users as needed. D52VULLAU\$3,850* / NZ\$4,300* per CPU. four CPU maximum

IBM WebSphere Application Server - Express

Creates, tests, deploys and manages dynamic Web sites, applications and Web services. Wizards, samples and application templates simplify building applications. D520ELLAU\$4,466* / NZ\$5,194* per CPU D522LLLAU\$1.117* / NZ\$1.299* per 20 intranet users D522PLLAU\$893* / NZ\$1,039* per developer

IBM WebSphere Business Integration Server Express

IBM WebSphere Business Integration Server Express Plus

Allow businesses to quickly and easily integrate their applications to better serve customers, partners and suppliers. Include adapters, collaborations, simplified tooling and necessary prerequisites. WebSphere **Business Integration Server Express Plus includes** additional adapters, additional tooling and optional addon adapters and collaborations.

WebSphere Business Integration Server Express D53QDLLAU\$13,396* / NZ\$15,581* per processor WebSphere Business Integration Server Express Plus

D53QHLLAU\$44,658* / NZ\$51,941* per processor

WebSphere Business Integration Server Express Plus Adapter Capacity Pack

D530JLL...AU\$33.493* / NZ\$38.955* per application instance WebSphere Business Integration Server Express Plus

Collaboration Pack D53QLLL...AU\$33.493* / NZ\$38.955* per application instance

IBM WebSphere Business Integration Express for Item Synchronization

IBM WebSphere Business Integration Express Plus for Item Synchronization

Uniform Code Council network (UCCnet) solutions give midsized businesses a full-featured item synchronisation function to share information stored in their internal systems with customers and prospective customers. WebSphere Business Integration Express Plus for Item Synchronization offers extended capabilities with tooling to customise and modify business processes, access to the SAP adapter and capacity for more global item numbers.

WebSphere Business Integration Express for Item Synchronization

D52W8LLAU\$8.932* / NZ\$10.389* per server (maximum two processors per server) D52WDLL......AU\$6.699* / NZ\$7.792* per 1.000 GTINs WebSphere Business Integration Express Plus for Item Synchronization

..AU\$55,825* / NZ\$64,930* per server D52WFLL . (maximum two processors per server) D52WHLL..... ..AU\$22,330* / NZ\$25,972* per 5,000 GTINs

DEMAND BUSINESS[®]

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IBM WebSphere Business Integration Connect - Express

Allows quick, simple and affordable integration with a small number of partners, providing a community integration participant solution (versus a gateway hub solution for a community owner or manager).

D52INLLAU\$1,396* / NZ\$1,623* per processor D533QLL AU\$1.396* / NZ\$1.623* per partner connection

IBM WebSphere Commerce - Express

A complete end-to-end solution providing the core capabilities that growing midsized businesses need to start expanding their B2B or B2C e-commerce site with a minimum investment.

D53WYLLAU\$44,660* / NZ\$51,944* per processor

IBM WebSphere MQ Express

Enables businesses to quickly and easily connect applications together, minimising the need for performing complex communications programming. Includes a file transfer utility for immediate productivity. Compatible with WebSphere MQ.

D52VFLLAU\$9,334* / NZ\$10,856* per processor

IBM WebSphere Portal - Express IBM WebSphere Portal - Express Plus

Allow for easy deployment of sophisticated portal solutions that support employees, trading partners and customers. Each user can customise content, applications, portal page organisation and graphical appearance. WebSphere Portal - Express Plus adds collaboration features that help teams of individuals work together effectively on projects.

WebSphere Portal - Express

D51RKLL......AU\$51,282* / NZ\$57,276* per processor D529GLL AU\$2,618* / NZ\$2,924* per 20 registered users WebSphere Portal - Express Plus

D51RELL......AU\$81,743* / NZ\$91,298* per processor D529JLLAU\$4,158* / NZ\$4,644* per 20 registered users

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IBM DB2 Universal Database Express Edition
IBM DB2 Content Manager Express Edition
IBM DB2 Everyplace Express Edition
IBM Lotus Domino Collaboration Express
IBM Lotus Domino Messaging Express
IBM Lotus Domino Utility Express
IBM WebSphere Application Server - Express
IBM WebSphere Business 5
Integration Server Express
IBM WebSphere Business Integration
Server Express Plus
IBM WebSphere Business Integration
Express for Item Synchronization
IBM WebSphere Business Integration
Express Plus for Item Synchronization
IBM WebSphere Business Integration
Connect - Express
IBM WebSphere Commerce - Express
IBM WebSphere MQ Express
IBM WebSphere Portal - Express
IBM WebSphere Portal - Express Plus

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In Australia visit ibm.com/software/au/catalogue or call 1800 808 066.

Lotus. software Integrating people with business processes

WebSphere. software

Transaction management and integration

"By delivering business information in realtime, we can help employees make faster and more informed decisions. That level of responsiveness frees employees to focus on their core competencies and translates into huge productivity gains."

> **Tina Everly** Director Knowledge Management Spherion

Application servers

The foundation of a resilient and responsive enterprise, IBM application servers support the business logic for an application program. IBM application servers manage interactions between users and applications and between applications and data to deliver the reliable performance and scalability that your On Demand Business needs to succeed.

IBM WebSphere Application Server

A leading Web services and Java-based application server that integrates enterprise data and transactions. Supports Software Developer Kit (SDK) 1.4 as the first step toward J2EE 1.4 compliance.

IBM WebSphere Application Server Network Deployment

Expands on the WebSphere Application Server product base to provide advanced Web services and clustering capabilities.

IBM WebSphere Application Server for Developers

Provides a cost-effective way to deliver an application server runtime environment on a developer's desktop.

IBM WebSphere Application Server - Express See description on page 4.

IBM Lotus Domino Messaging Server

Provides access to messaging, calendaring, scheduling and PIM (directory) functions. Intended for customers who require only mail.

IBM Lotus Domino Messaging Express See description on page 4.

IBM Lotus Domino Enterprise Server

In addition to the features of Domino Messaging Server, this provides access to collaborative applications and adds clustering for failover and load balancing.



6 Application servers

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IBM Lotus Domino Utility Server

Provides access to collaborative applications only; does not allow individual mail file use. If accessed by a Web browser, no client access license (CAL) is required. (Allows Lotus Notes client access, but Lotus Notes client software must be acquired separately as part of a Lotus Notes CAL.) Ideal for Domino applications with a high number of users who are difficult to track.

IBM Lotus Domino Utility Express

See description on page 4.

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Application servers

Lotus. software Integrating people with business processes

WebSphere, software

Transaction management and integration

"Over 70 percent of the site came from the out-of-thebox functionality of WebSphere Commerce."

> **Rob Mever Director of Internet Services** Anaconda Sports, Inc.

Portal/commerce

These portal offerings provide a customised point of interaction between dynamic information, applications, processes and people to help build successful B2E, B2B and B2C portals. These commerce offerings contain an integrated set of business processes delivered as solutions for various B2C. B2B and channel management business models: support an activity where a human interacts with a browser to research, browse, buy or sell products; and provide post-sale service and support.

IBM WebSphere Portal Enable

Facilitates the building of portals to simplify and accelerate access to personalised information and applications. Provides document management, application integration and administration features on a robust platform that can scale to the needs of larger enterprises.

IBM WebSphere Portal Extend

Builds on the features of WebSphere Portal Enable with extended search capabilities to optimise productivity, a Web analysis function to provide vital business intelligence and collaboration tools like instant messaging, team workplaces and a people finder portlet to enhance communications.

IBM WebSphere Portal - Express **IBM WebSphere Portal - Express Plus** See description on page 5.

IBM Software Solution for On Demand Workplace See description on page 15.

IBM Lotus Workplace for Business Controls and Reporting

See description on page 15.

IBM WebSphere Commerce Business Edition

Standards-based platform to implement an enterprise B2B and channel management solution on the Web. Supports customer-specific pricing, terms and entitlements that involve individuals with varying levels of authority.

IBM WebSphere Commerce Developer **Business Edition**

Provides a corresponding development environment for WebSphere Commerce Business Edition.

IBM WebSphere Commerce **Professional Edition**

Increases site functionality for B2C and multichannel retailers by personalising customer buying experiences, streamlining order processes, reducing cycle times, optimising operational efficiencies and accommodating high transaction volumes. Provides infrastructure to support and integrate multiple sales channels, including Web, kiosk, POS, buy online, pickup in store and more.

IBM WebSphere Commerce Developer **Professional Edition**

Offers a corresponding development environment for WebSphere Commerce Professional Edition.

IBM WebSphere Commerce - Express See description on page 5.

ON DEMAND BUSINESS

8 Portal/commerce

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IBM WebSphere Commerce - Express **Developer Edition**

Includes a single seat of the development environment, and additional seats can be purchased.

IBM WebSphere Commerce Portal

Provides a single point of interaction to enable access to the full range of commerce functionality through portlets and wireless devices for B2B or B2C portals.

IBM WebSphere Digital Media Enabler

Offers online management, sale and distribution of digital assets and rich online collaboration features that allow teams to select, discuss and review content over the Web.

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IBM WebSphere Portal Extend	
IBM WebSphere Portal - Express	
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IBM Lotus Workplace for Business	
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For more information: **ibm.com**/websphere



DB2. Information Management Software Managing and integrating data and content

Lotus. software Integrating people with business processes

Tivoli. software Intelligent management

WebSphere, software Transaction management and integration

"With our new resilient IBM WebSphere solution, we have the ability to concentrate on leveraging our core marketing strengths."

> Jeremy Palmer E-commerce Director **Maiestic Wine**

Business integration

IBM business integration software helps you create seamless connections between your people, processes and information. It gives you the flexibility to quickly adapt to changing business conditions and gives your decision makers a single portal of information from multiple applications.

IBM WebSphere MQ Family

Can enable businesses to reliably connect applications together across many different platforms and environments. Offers message, event and service-oriented approaches to integration and can provide the basis for an enterprise service bus (ESB). Helps take care of network interfaces, verify delivery of messages, deal with communications protocols, handle recovery after system problems and improve program portability.

IBM WebSphere MQ

Delivers reliable application-to-application connectivity. providing a foundation on which to build and develop integration solutions across more than 35 platforms. Provides the Java Message Service (JMS) and supports the Secure Sockets Layer (SSL) protocol. Can transport Simple Object Access Protocol (SOAP) requests, offering a reliable backbone for Web services interactions.

IBM WebSphere MQ Express

See description on page 5.

IBM WebSphere MQ Workflow

Facilitates rapid process deployment to people, applications and Web services, based on the WebSphere software platform and WebSphere MQ. Scalable, fault-tolerant and optimised for parallel distributed processing in service-oriented architectures.

IBM WebSphere Business Integration Event Broker

IBM DB2 Information Integrator

IBM Lotus Enterprise Integrator

Resource Planning (ERP) applications.

IBM Tivoli Access Manager for

Business Integration

recompile them.

distributed platforms.

See descriptions on page 19.

An information integration framework for diverse data.

Enables exchange of data between Domino applications

and many host and relational applications — including

DB2 data management software, Oracle, Sybase, OLE-

DB. text and ODBC data sources, as well as Enterprise

A multiplatform security management solution for

WebSphere MQ (see this page) that upgrades native

security services of WebSphere MQ to those provided

application-level data protection for WebSphere MQ-

based applications, without needing to modify or even

IBM Tivoli Monitoring for Business Integration Provides comprehensive management for WebSphere

WebSphere Interchange Server. From a central console,

manage business integration software across host and

MQ (see this page). WebSphere MQ Integrator and

systems administrators can configure, monitor and

by WebSphere MQ Extended Security Edition. Provides

Distributes business event information from disparate sources through a network of access points or a centralised broker. Lets users rapidly build a flexible, extensible and secure event-driven publish and subscribe infrastructure.

IBM WebSphere Business Integration Message Broker

Builds on WebSphere Business Integration Event Broker (formerly WebSphere MQ Event Broker) to provide a further level of intermediation between applications using different message structures and formats including XML, COBOL, C, EDI, SWIFT and other standards. Supports any-to-any transformation, database integration and Web services.

IBM WebSphere Business Integration Message **Broker with Rules and Formatter Extension** for Multiplatforms

Expands on WebSphere Business Integration Message Broker functionality by providing a high-performance rules function that uses predefined criteria to process messages with complex structures and multiple variables. Also features continuity, compatibility and investment protection to existing WebSphere MQ Integrator, Version 2.1.

IBM WebSphere Business Integration Server Foundation

Delivers a next-generation integration environment for building, deploying and choreographing Web services to form composite applications within a service-oriented architecture. Combines the benefits of a native Business Execution Language for Web Services (BPEL4WS) process choreographer and business rule beans with the scalability and market-leading features of WebSphere Application Server Network Deployment (see page 6) hosting J2EE application components.

10 Business integration

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IBM WebSphere Business Integration Server

Combines classic best-of-breed integration capabilities for process collaboration, business process workflow, message transformation and object synchronisation with universal application connectivity in a single integrated offering for an On Demand Business — supported by industry-specific accelerators and business application adapters. Minimises time to value with powerful process integration capabilities and accelerators for demanding enterprise-wide integration projects.

IBM WebSphere Business Integration Server Express **IBM WebSphere Business Integration** Server Express Plus

See description on page 5.

IBM WebSphere Business Integration Express for Item Synchronization **IBM WebSphere Business Integration** Express Plus for Item Synchronization See description on page 5.

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IBM WebSphere Business Integration
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DB2. Information Management Software Managing and integrating data and content

Lotus. software Integrating people with

business processes

Tivoli. software Intelligent management

WebSphere, software Transaction management and integration

"It was important for us to demonstrate what can be achieved with leading edge technology being applied creatively in the e-government environment. By helping us pioneer these new technologies, IBM has enabled us to achieve excellent results."

> Dr. Michael Neubauer CEO KDVZ

Business integration (continued)

IBM WebSphere Business Integration Connect

Provides an easy and powerful way for businesses to extend the integration of their applications and processes beyond their enterprise boundaries, allowing standardsbased exchange of B2B data with trading partners.

IBM WebSphere Business Integration Connect Advanced Edition

A full-function B2B gateway that supports a growing number of partners and uses a CPU-based pricing model and a per partner connection pricing model. allowing customers to start with a smaller number of partners integrated into the community and grow the license as the community expands.

IBM WebSphere Business Integration **Connect Enterprise Edition**

Builds on WebSphere Business Integration Connect Advanced Edition by providing a cost-effective environment for larger numbers of partners.

IBM WebSphere Business Integration **Connect - Express**

See description on page 5.

IBM WebSphere Business Integration Adapters

Prepackaged products that support multiple IBM brokers and servers. The IBM adapter portfolio includes products to help customers integrate legacy and packaged applications, technologies and mainframe systems, addressing industry-specific and cross-industry needs. To see a complete listing of WebSphere Business Integration Adapters, please visit **ibm.com**/software/catalog/online

IBM WebSphere Business Integration Collaborations

Premade business processes that provide instructions for the WebSphere Business Integration Server to help coordinate individuals, applications and information into high-value business processes. Collaborations maximise the reuse of existing assets and provide flexibility by separating business processes from combined applications. To see a complete listing of WebSphere Business Integration Collaborations, please visit ibm.com/software/catalog/online

IBM WebSphere Business Integration Modeler

Defines, analyses and monitors business processes. WebSphere Business Integration Modeler license includes IBM WebSphere Business Integration Workbench Server and 10 user licenses for IBM WebSphere Business Integration Workbench. (These products can be purchased separately.)

IBM WebSphere Business Integration Monitor

A real-time monitor allowing decisive business performance management and optimisation. Provides a quantified view of business processes and output, helping users base business decisions on actual performance data. Displays meaningful real-time and historical information from a variety of environments and can be used by business and technical users to define, display and receive instant alerts on operational results.

IBM WebSphere Host Integration Solution

This single offering includes virtually everything needed to create and deploy advanced On Demand Business applications that rely on host systems. Gives host applications a Web look and feel without programming, integrates multiple legacy applications in a single Web page or uses any of the host integration programming technologies to create new On Demand Business applications with ties to legacy systems.



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12 Business integration

IBM WebSphere Host Access Transformation Services

Provides all the tools needed to quickly and easily extend legacy applications to business partners, customers and employees. Makes 3270 and 5250 applications available as HTML through the most popular Web browsers. while converting host screens to a Web look and feel. Provides a zero footprint Web-to-host solution, and the only software needed on the client is a Web browser. The rules-based transformation engine converts host screens to Web-like graphical user interfaces.

IBM CICS® Transaction Gateway

Enables use of CICS applications in comprehensive and sophisticated J2EE and Web services solutions hosted on powerful application servers, such as WebSphere Application Server. A J2EE-compliant connector for CICS applications.

IBM Software Solution for On Demand Workplace

See description on page 15.

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Lotus. software Integrating people with business processes

"We determined that with IBM Lotus Notes and Domino we could run all the City and County messaging on five IBM AS/400 servers. which would result in huge long-term cost savings. With Microsoft[®] Outlook[®] and Exchange our only choice was Intel[®] boxes. and lots of them. We just couldn't justify the cost required on that platform to deliver the reliability our users demanded."

Scott Melendez **Enterprise Messaging Manager** San Francisco Department of Telecommunications and Information Services (DTIS)

Messaging and collaboration

IBM messaging and collaboration software can help everyone in your organisation manage, communicate and collaborate effectively with colleagues, customers, suppliers and trading partners. Bring people together through e-mail, calendaring, scheduling and collaborative applications. By integrating real-time access to people with applications, information and business processes, your organisation can increase responsiveness and make better, faster decisions.

IBM Lotus Domino

IBM Lotus Domino Messaging Server See description on page 7.

IBM Lotus Domino Enterprise Server See description on page 7.

IBM Lotus Domino Utility Server See description on page 7.

The following two Lotus clients can be used separately or together to provide maximum flexibility. To purchase, combine with one or more of the above Lotus server offerings.

IBM Lotus Notes

Full-featured rich client (available on Windows® and Macintosh) for messaging, calendaring, scheduling and PIM (directory) functionality.

IBM Lotus Domino Web Access and Lotus Domino Access for Microsoft[®] Outlook[®]

A sophisticated client that provides users with access to leading Domino messaging and collaboration features delivered through a Web browser. Includes Lotus Domino Access for Microsoft® Outlook® for easy migration from Microsoft® Exchange to Lotus Domino, allowing users to continue working with familiar Outlook® clients.

IBM Lotus Domino Messaging Express See description on page 4.

IBM Lotus Domino Utility Express See description on page 4.

IBM Lotus Domino Collaboration Express See description on page 4.

IBM Lotus Instant Messaging and Web Conferencing (Sametime[®])

An IBM market-leading platform for real-time collaboration based on three on demand capabilities - presence awareness, instant messaging and Web conferencing.

IBM Lotus Web Conferencing

Shares presentations, documents and applications over the Web, and documents spontaneous ideas and interactions using the online whiteboard. Based on Lotus Instant Messaging and Web Conferencing.

IBM Lotus Team Workplace (QuickPlace®)

An enterprise-ready, self-service workspace expressly designed for team collaboration. Users can create secure workspaces on the Web, providing a place to collaborate on projects. (Lotus Team Workplace is not a Lotus Workplace J2EE product.)

IBM Lotus Domino Document Manager

Makes it easy for many levels of users to securely capture, store, manage and provide access to collaborative business documents. Helps manage the complete life cycle of office documents from collaborative authoring to review, approval and archival

IBM Lotus Learning Management System

Makes it easy for organisations to manage training programs from a single platform to efficiently administer learning activities and deliver training in a more convenient, cost-effective and timely manner.

IBM Lotus Workplace

IBM Lotus Workplace Messaging

Provides low-cost, standards-based messaging for browser users with the choice of a rich client experience through optional licensing to leverage new capabilities like offline support and integrated productivity tools. Allows organisations to easily extend enterprise e-mail to users currently without a dedicated workspace or e-mail access.

IBM Lotus Workplace Team Collaboration

An instant messaging, Web conferencing and teamwork space product integrating people with information and business processes. The security-rich, open and dynamic Lotus Workplace environment helps people be informed, productive and efficient.

IBM Lotus Workplace Web Content Management

Makes it easy for many levels of users to manage comprehensive Web content creation, life cycle, personalisation and publishing for dynamic intranet, extranet and Internet sites. Can use Domino. DB2 Content Manager or Oracle as content repositories.



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IBM Software Solution for On Demand Workplace

IBM Lotus Workplace Documents

Provides a low-cost, standards-based collaborative document management experience for browser users and a rich client experience with more advanced capabilities for higher-end users. Makes it easy for many levels of users to securely capture, store, manage and provide access to collaborative business documents.

IBM Lotus Workplace Collaborative Learning

A portlet-based user interface seamlessly integrates online learning resources on the desktop. Also manages and tracks an organisation's online learning and classroom-based programs, courseware and resources.

Offers industry-leading powerful collaboration and portal software in one package. Users work with people, content, applications and processes across an organisation inside and out. Combines WebSphere Portal Enable (see page 8) for an integrated, secure access point and Lotus Workplace to send e-mails, take training courses, chat, share documents, hold meetings and manage Web sites.

IBM Lotus Workplace for Business Controls and Reporting

Provides a Web-based foundation for accessing financial reporting in response to Section 404 of the Sarbanes-Oxley Act. Can help companies gather and monitor information about controls in a consistent manner.

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For more information: **ibm.com**/lotus



DB2. Information Management Software Managing and integrating data and content

Lotus. software Integrating people with business processes

"The bottom line is that (with DB2 Universal Database) now we have the tools in place to help clients make the best insurance and financial decisions to meet their life strategies."

> **Jennifer Schuppert** Director **CRM Data Architecture** AXA Financial

Information management

Software that helps you leverage your existing IT assets so you can maximise the value of your information. Our middleware solutions unite people, processes and systems to help ensure your business is integrated, productive and automated — enabling you to leverage on demand information.

IBM Lotus Domino Document Manager See description on page 15.

IBM Lotus Workplace Documents See description on page 15.

IBM Lotus Workplace Web Content Management

See description on page 15.

IBM DB2 Universal Database

Allows access to information from applications. This relational database management system includes advanced business intelligence support through a multidimensional clustering (MDC) capability and a development centre with tools to optimise developer productivity in both Java and Microsoft[®] environments.

IBM DB2 Universal Database Enterprise Server Edition

Designed to meet the database server needs of midsize to large businesses. Can be deployed in Linux, UNIX and Windows environments on many sizes of servers.

IBM DB2 Universal Database Workgroup Server Unlimited Edition

Offers a simplified per processor licensing model for deployment in a departmental or small business environment. The product can be deployed in Linux, UNIX and Windows® environments on systems with up to four CPUs.

IBM DB2 Universal Database Workgroup Server Edition

Designed for deployment in a departmental or small business environment with a small number of internal users. Can be deployed in Linux, UNIX and Windows® environments on systems with up to four CPUs.

IBM DB2 Universal Database Personal Edition

Provides a single user database engine ideal for deployment to PC-based users. Can be remotely managed, allowing for deployment in occasionally connected or remote office implementations that don't require a multiuser capability.

IBM DB2 Universal Database Express Edition

See description on page 4.

IBM DB2 Universal Database Data Warehouse Enterprise Edition

Offers a complete enterprise level for customers building demanding business intelligence solutions.

IBM DB2 Universal Database Data Warehouse Standard Edition

Builds data warehouses and analytic applications based on DB2 Universal Database Workgroup Edition and business integration applications.

IBM DB2 Connect™

Enables fast, secure access from the Web to enterprise data stored in both relational and nonrelational databases. Provides extensive application programming tools for developing client-server and Web applications using industry-standard APIs. Integrates mobile PC and pervasive computing device users with up-to-date data from IBM S/390[™] and IBM AS/400[®] database servers.

IBM DB2 Connect Personal Edition

Licensed for use by one user on a single workstation. allowing connection to a number of mainframe and minicomputer database servers.

IBM DB2 Connect Enterprise Edition

Available with the standard server/user model licensing option.

IBM DB2 Connect Application Server Edition

License charges are based on the number of processors used by the Web or application servers connecting to DB2 Connect.

IBM DB2 Connect Unlimited Edition

Unlimited usage model based on millions of service units (MSU) per hour based on the mainframe DB2 Universal Database entitlements.



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IBM DB2 Everyplace Enterprise Edition

A relational database and enterprise synchronisation solution enabling enterprise applications and enterprise data to be extended to mobile devices. Can be embedded into devices and appliances to increase functionality and market appeal, can be used as a local independent database of the mobile device or can query information on remote servers when a connection is available.

IBM DB2 Everyplace Express Edition

See description on page 4.

IBM Informix Dynamic Server (IDS)

A scalable, online transaction processing database for workgroup and enterprise computing that protects data assets in a dependable database management system. Built on dynamic, scalable architecture that minimises hardware requirements and enables efficient use of large disk drives. High Availability Data Replication provides turnkey disaster recovery. Enterprise replication provides selective replication of data across geographic locations. Automated backup and restore functions can help eliminate many manual administration tasks.

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DB2. Information Management Software Managing and integrating data and content

Lotus. software Integrating people with business processes

"IBM Content Manager offers significantly better features and functions than comparable solutions. Its successes with CNN and other frontranking production companies demonstrate that it is ideal for our industry."

> He Jinchi Vice Director Shanghai Broadcasting Laboratory

Information management (continued)

IBM DB2 Content Manager for Multiplatforms

The core of DB2 content management, DB2 Content Manager for Multiplatforms, provides a robust, open and comprehensive platform for managing and reusing many forms of business information in a secure environment. Helps users manage, access and integrate critical business information, including documents, Web, image and rich media across multiple business applications.

IBM DB2 Content Manager Express Edition See description on page 4.

IBM DB2 Content Manager VideoCharger™

Transforms digital audio and video into an effective communications tool delivering high-impact information when and where it is needed. Supports multiple open standards with transparent client integration, and delivers real-time multimedia data streams to multiple users through a Web browser over an intranet or the Internet, avoiding the need to download or save the file before playing.

IBM DB2 Content Manager OnDemand

Provides high-volume computer output capture. electronic report management and statement presentment. Supports call centre productivity and customer self-service with instant access to bills, invoices and statements. Transforms high-volume output from costly print systems to electronic capture and presentation. Streamlines and automates distribution of selected reports and documents to authorised users.

IBM DB2 CommonStore

Archive key data, documents and e-mail, while giving users on demand direct access to content from SAP, Exchange Server and Domino applications.

IBM DB2 CommonStore for Exchange Server IBM DB2 CommonStore for Lotus Domino

Offer robust and scalable e-mail archive management solutions. Help users minimise storage costs, optimise performance of e-mail systems and deliver security and auditability for an organisation's most valuable information.

IBM DB2 CommonStore for SAP

Delivers a premier, certified solution that can trim the size of SAP databases, optimise the performance of SAP systems and streamline access to business documents within SAP.

IBM DB2 Document Manager

Delivers powerful, easy-to-use tools that manage each document's life cycle, security and relationships. Supports the most complex requirements while efficiently developing and distributing critical business documents across an organisation.

IBM DB2 Records Manager

Highly scalable. Web-based infrastructure tool that applies structured retention and disposition rules to records whether they are digital or traditional paperbased documents. When used within a context of clear and consistent corporate policy, it can help reduce evidence-discovery costs and demonstrate compliance with regulations.

IBM Lotus Enterprise Integrator

High-performance, scalable exchange of data between Domino and native access to host and relational data systems. With point-and-click ease, create, manage and schedule batch and real-time access to provide integration with relational systems such as DB2 and Oracle databases or Enterprise Resource Planning (ERP) systems such as SAP.

IBM DB2 Information Integrator Advanced Edition

Adds an unrestricted license for DB2 Universal Database Enterprise Server Edition to the capabilities of DB2 Information Integrator Standard Edition.

IBM DB2 Information Integrator Advanced **Edition Unlimited**

Provides all the function of DB2 Information Integrator Advanced Edition and includes entitlement for a virtually unlimited number of data connections.

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IBM DB2 Information Integrator

Gives companies real-time, integrated access to business information — structured and unstructured. mainframe and distributed, public and private — across and beyond the enterprise. Such information may reside in diverse source systems such as Oracle databases, SAP applications. Microsoft[®] spreadsheets. documentum repositories, flat files, the Web, news groups and more. Can be distributed across a variety of operating environments such as Windows[®], Linux, UNIX and IBM z/OS™.

IBM DB2 Information Integrator Replication Edition

Provides replication server capabilities for mixed relational databases.

IBM DB2 Information Integrator Standard Edition

Provides both replication server and federated data server capabilities.

IBM DB2 Information Integrator **Developer Edition**

Offers a low-cost package to design, build or prototype composite applications that integrate distinct data sources.

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DB2. Information Management Software Managing and integrating data and content

Lotus, software Integrating people with business processes

"With DB2 and DB2 Connect, our financial analysts can focus on analysing our state's financial situation, while the payroll group can process paychecks without delay."

Sharon Baker Database Specialist Enterprise Technology Services State of Alaska

Information management (continued)

IBM DB2 Intelligent Miner[®] for Data

Provides a full-function workbench for interactive data mining of data in DB2 databases, flat files or other relational databases. Allows users to identify and extract high-value business intelligence from enterprise data assets. Delivers a wide range of mining technologies and techniques to create classification and prediction models, discover associations and sequential patterns and automatically segment databases into related records.

IBM DB2 Intelligent Miner Scoring

Delivers database extenders (both DB2 extenders and Oracle cartridges) supporting the application of Predictive Model Markup Language (PMML), Version 2.0 models to new data. Provides support for models developed by DB2 Intelligent Miner Modeling and algorithms of DB2 Intelligent Miner for Data that support application mode.

IBM DB2 Intelligent Miner Modeling

Delivers DB2 extenders (specifically, stored procedures) for the following modeling operations — associations discovery, demographic clustering and tree classification. Supports the development of data mining models in a format that conforms to Predictive Model Markup Language (PMML), Version 2.0.

IBM DB2 Intelligent Miner Visualization

Provides Java visualisers to interact and graphically present the results of associations, demographic clustering and tree classification modeling operations. Input to visualisers is Predictive Model Markup Language (PMML), Version 2.0 conforming models. Visualisers can operate inline to support transaction processing or an applet in a Web browser.

IBM DB2 High Performance Unload for Multiplatforms IBM DB2 High Performance Unload for Workgroups

Help minimise the maintenance window. Give customers a fast, efficient tool for unloading and extracting data for movement across the enterprise or for reorganisation in-place. Deliver high levels of parallelism and distribution of data across multiplelogical and physical partitions.

IBM DB2 Performance Expert for Multiplatforms IBM DB2 Performance Expert for Workgroups

Offer a comprehensive view that consolidates, reports, analyses and recommends changes on DB2 performancerelated information. Includes a Performance Warehouse that stores performance data and analysis tools and a Buffer Pool Analyzer that collects data and provides reports on related event activity. Online monitoring capabilities monitor DB2 Connect gateways, including application and system-related information.

IBM DB2 Recovery Expert for Multiplatforms

Provides targeted, flexible and automated recovery of database assets. Allows intelligent analysis and diagnostics of altered, incorrect or missing database assets, including tables, indexes or data. Also automates the process of rebuilding those assets to a correct "point in time," often without taking the database or On Demand Business operations offline.

IBM DB2 Table Editor for Multiplatforms IBM DB2 Table Editor for Workgroups

Quickly and easily access, update and delete data across multiple DB2 database platforms, including Informix Dynamic Server. Through integration with the Control Centre or Web-based interfaces, offer high-function editing with full support for DB2 security and user profiles. Edit raw data and create editing forms with drag-and-drop GUIs.

A powerful query management system allowing users to proactively, dynamically control the flow of queries against DB2 databases. Regulate a database's query workload so small queries and high-priority queries can run promptly and system resources get used efficiently. Information about completed queries can be collected and analysed to determine trends across queries, heavy users and frequently used tables and indexes.

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IBM DB2 Web Query Tool for Multiplatforms IBM DB2 Web Query Tool for Workgroups

Make it easy for many levels of users to access enterprise data for query, data comparison or reporting through multiple interfaces. These interfaces can include traditional Web-based browsers, e-mail clients and wireless devices such as PDAs, text pagers and WAP-enabled cellular phones. Support Informix Dynamic Server (see page 17).

IBM DB2 Query Patroller

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Lotus. software Integrating people with business processes

Rational. software

Software and system development

Tivoli, software Intelligent management

WebSphere. software Transaction management and integration

"Rational automated testing tools increased our productivity by allowing our developers to focus on creative tasks and *leaving the more* mundane tasks to the automated testing products. It made our lives a lot easier."

> Nancy Landau **Technical Analyst** Alltel

Software development

The IBM Software Development Platform offers a modular approach to building your software development infrastructure. Based on open standards, including the universal Eclipse framework, IBM solutions help you automate and integrate the core business process of software development.

Requirements and analysis

IBM Rational RequisitePro[™]

A requirements and analysis tool that lets teams define and capture their business requirements and design elements to help them manage project scope, capture the impact of change and verify the delivery of fit-foruse solutions.

IBM Rational Rose[®] Data Modeler

A comprehensive visual modeling tool that allows database designers to capture, manage and communicate business and database requirements and model database architectures.

IBM Rational Rose XDE® Modeler

Enables architects and designers to practice modeldriven development and produce platform-independent models of software expressed in Unified Modeling Language[™] (UML). A powerful pattern engine allows users to create and share semantically rich application architecture.

IBM WebSphere Business Integration Modeler See description on page 13.

IBM WebSphere Business Integration Monitor See description on page 13.

Design and construction

IBM Lotus Domino Designer

Rapidly creates Domino-based multiplatform applications to automate business processes and increase workflow efficiency.

IBM Rational Rose Technical Developer

Develops complex Java. C/C++ and embedded software with a visual design, development and verification tool that allows users to express their design in the Unified Modeling Language (UML).

IBM Rational Rose XDE Developer

A complete visual design and development environment for J2EE or .NET development. Users can work inside the included Eclipse IDE or install it into WebSphere Studio Application Developer (Standard or Integration Edition) or Microsoft® Visual Studio® .NET. Also supports Microsoft[®] Visual Studio[®] and other leading Java platform IDEs.

IBM Rational Suite[™] for Technical Developers

Provides a full life-cycle solution for writing intricate code for some of the most challenging products and systems, including real-time and embedded applications.

IBM Rational Suite Development Studio for UNIX

Provides a full life-cycle solution of analyst, developer and tester products to unify cross-functional teams and support UNIX software projects from requirements to release.

IBM WebSphere Studio Application Developer

A comprehensive, integrated development environment with high-productivity tools for building and maintaining Web services, portals and J2EE applications.

IBM WebSphere Studio Application Developer Integration Edition

Leverages the latest innovations that build on J2EE standards to accelerate large-scale application development projects. Exploits innovations in real-time application flexibility to deliver applications that can adapt in an on demand environment.

IBM WebSphere Studio Enterprise Developer

Leverages innovations that build on J2EE and Web service standards to accelerate large-scale application development projects. Embraces Java, component reuse, model-based development and integrated legacy transactional environments (CICS, IBM IMS[™]) and languages (COBOL and PL/I).

IBM WebSphere Studio Site Developer

Provides an easy-to-use, integrated development environment with high-productivity RAD tools for building and maintaining dynamic Web applications, Web services and Java applications.

IBM WebSphere Studio Device Developer

Provides flexible, multidevice application development support for building, testing and deploying mobile applications.

IBM Rational products available under the IBM Passport Advantage program for direct sales will soon be available on a limited basis through authorised value-added IBM Business Partners as well

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22 Software development

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Software quality

IBM Rational Functional Tester for Java and Web

Delivers industrial-strength automated functional and regression testing of Java and Web applications. Extends Java-based test scripts with a full-featured editor, intelligent object recognition, advanced versioning and distributed execution support for both Windows® and Linux, plus Rational TestManager for test planning, executing and reporting.

IBM Rational Functional Tester Extension for Terminal-based **Applications**



Extends Rational Functional Tester for Java and Web to support testing of 3270 (IBM zSeries®) and 5250 (IBM iSeries[®]) terminal-based applications. Requires pre-installation of Rational Functional Tester for Java and Web.

IBM Rational Robot

This versatile, automated functional and regression testing tool supports teams working with managed .NET code (VB.NET, C# and J#), C/C++, Java, Web and packaged applications. Includes an easy-to-learn test script language, remote configuration testing support and Rational TestManager.

IBM Rational Performance Tester

Uncovers system-level performance and scalability problems through accurate simulation of multiple, concurrent user transactions. Supports user modeling. agent-based and distributed load generation, real-time monitoring and data correlation. Includes Rational TestManager for test planning, executing and reporting.

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Lotus. software Integrating people with business processes

Rational. software

Software and system development

Tivoli, software Intelligent management

WebSphere. software Transaction management and integration

"We saw our *development cycle* go from roughly three years to about three months to get the initial Beta prototype out, and about a month or two of stabilisation work to get it to the customer. That's a tremendous return on investment."

Yon Sheldon SCM Architect **Credence Systems Corporation**

Software development (continued)

IBM Rational PurifvPlus[™]

Runtime analysis tools optimising application reliability and performance on Windows[®]. Linux and UNIX platforms. Pinpoints memory leaks, profiles application performance and analyses code coverage for Java, C/C++, Visual Basic and managed .NET languages.

IBM Rational Purify®

A highly scalable, nonintrusive memory leak and memory corruption detection tool. Analyses Java, C/C++, Visual Basic and managed .NET languages including C# and VB.NET. Critical for debugging and problem diagnosis.

IBM Rational Test RealTime

A component testing and runtime analysis solution for embedded, real-time and other cross-platform software development. Supports more than 100 embedded target environments.

Deployment management

IBM Tivoli Monitorina for Transaction Performance See description on page 28.

IBM Tivoli Provisioning Manager See description on page 29.

IBM Tivoli Configuration Manager

See description on page 29.

Software configuration management

IBM Rational ClearCase® LT

Provides entry-level version control for small-to-medium co-located teams. Easy to install and manage, it offers powerful version control and parallel development support.

IBM Rational ClearCase

Provides comprehensive software asset management for medium-to-large development teams. Extends the value of Rational ClearCase LT by adding flexible workspace management, advanced build management and mainframe development support.

IBM Rational ClearCase MultiSite[™]

Provides software asset management for geographically distributed environments with automatic recovery in the event of network or system failure.

IBM Rational ClearQuest[™]

Provides flexible defect and change tracking across the development life cycle. When used with Rational ClearCase, offers a complete software configuration management solution.

IBM Rational ClearQuest MultiSite

Provides defect and change tracking across geographically distributed environments with automatic recovery in the event of network or system failure.

IBM Rational products available under the IBM Passport Advantage program for direct sales will soon be available on a limited basis through authorised value-added IBM Business Partners as well

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24 Software development

Process and project management

IBM Rational Unified Process®

A flexible software development process product that can help deliver customised and consistent guidance to a team. Based on best practices, it can help minimise risk, verify predictable results and deliver high-quality software.

IBM Rational Team Unifving Platform[™]

A complete team-based infrastructure for delivering process guidance, managing requirements and test activities, monitoring and reporting project status, tracking defects and change requests and managing software assets.

IBM Rational Suite

Provides a full life-cycle solution of analyst, developer and tester products to unify cross-functional teams from requirements to release.

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For more information: **ibm.com**/software/foundation/resources



Tivoli. software Intelligent management

"Tivoli Identity Manager forms one of the key elements of our security services, supporting our ability to rapidly respond to change. Centralised provisioning is the only way to manage the scale and speed of organisational change that our business growth requires."

> Paul Dorev Vice President **Digital Security and CISO** BP p.l.c

Security

Deploy a flexible, reusable security architecture with automated security management software. The IBM identity management offerings help you quickly bring users, systems and applications online while effectively managing users and access rights throughout the identity life cycle. Automated security management offerings help you actively identify security vulnerabilities and policy violations on systems, applications and PCs, allowing a quick response to IT security exposures and incidents across your On Demand Business.

IBM Tivoli Access Manager for e-business

An award-winning, policy-based access control solution for On Demand Business and enterprise applications. Lets organisations control both wired and wireless access to applications and data and provides Single Sign-On for authorised users. Integrates with On Demand Business applications to deliver a secure, personalised experience for authorised users.

IBM Tivoli Access Manager for **Business Integration**

A multiplatform security management solution for WebSphere MQ (see page 10) that upgrades native security services of WebSphere MQ to those provided by WebSphere MQ Extended Security Edition. Provides application-level data protection for WebSphere MQbased applications, without needing to modify or even recompile them.

IBM Tivoli Access Manager for **Operating Systems**

A policy-based access control system for UNIX and Linux operating systems. This comprehensive security solution effectively addresses many system vulnerabilities surrounding UNIX and Linux super user or root accounts. Many security failures in UNIX and Linux environments are from super user account abuse or a hack that results in gaining access to this account

IBM Tivoli Directory Integrator

Serves as a flexible synchronisation layer between a company's identity structure and the application sources of identity data to avoid the need for a centralised datastore. For enterprises choosing to deploy an enterprise directory solution, it can help ease the process by connecting to identity data from various repositories throughout the organisation.

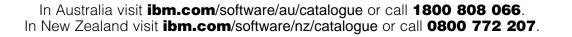
IBM Tivoli Directory Server

Provides a powerful Lightweight Directory Access Protocol (LDAP) identity infrastructure that is the foundation for deploying comprehensive identity management applications and advanced software architectures like Web services.

IBM Tivoli Identity Manager

Provides policy-based identity management across legacy and On Demand Business environments. Intuitive Web administrative and self-service interfaces integrate with existing business processes to help simplify and automate managing and provisioning users. Incorporates a workflow engine and leverages identity data for activities such as audit and reporting.

ON DEMAND BUSINESS



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IBM Tivoli Risk Manager

Can help centrally manage security incidents and vulnerabilities across an enterprise from a single security console. Helps avoid clutter, such as false positives. while guickly identifying and managing security incidents and vulnerabilities to help administrators respond with adaptive security measures.

IBM Tivoli Security Compliance Manager

Acts as an early warning system for organisations looking to identify security policy violations and potential security vulnerabilities. Helps organisations define consistent security policies based on internal or industry standards and then monitor compliance.

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For more information: **ibm.com**/software/itsecurity/resources



Tivoli. software Intelligent management

"The business-oriented approach of Tivoli **Business Systems** Manager gives DMdata the edge we need to succeed in the increasingly competitive world of outsourcing."

> Peter Vernegreen Systems Management Department Manager DMdata

Systems management

To effectively manage your IT infrastructure, you need to understand how each resource affects applications and business processes it supports. IBM systems management software can help your enterprise sense, anticipate, plan and control responses to real-time IT production requirements. These advanced offerings can help you effectively provision and configure servers, operating systems, middleware, applications, network devices and more.

Availability

Verifies the healthy, appropriate functioning of IT environments.

IBM Tivoli Monitorina

Automates monitoring of essential system resources to detect bottlenecks and potential problems and to automatically recover from critical situations. Can help increase the availability of servers.

IBM Tivoli Monitorina for Transaction Performance

Monitors transaction performance and availability to provide a positive customer experience. Offers a comprehensive display of an end-user transaction path.

IBM Tivoli NetView[™]

Discovers TCP/IP networks, displays network topologies, correlates and manages events and SNMP traps, monitors network health and gathers performance data.

Business service management

Can help minimise costs by automating the alignment of IT resources with business priorities.

IBM Tivoli Business Systems Manager

Provides a single, simple-to-use interface for consolidating management information into a business-centric view, from across an environment, including distributed, Web and mainframe components. Can automatically discover many IT resources in an environment, based on tools currently used to manage them.

IBM Tivoli Enterprise Console™

Provides sophisticated, automated problem diagnosis and resolution to optimise system performance and minimise support costs. The auto-discovery feature allows users to understand the environment and process events appropriately. The Web console enhances visualisation while providing remote access to events and console operations.

IBM Tivoli License Manager

This software asset management solution provides advanced software inventory, monitors use and includes contract and reporting capabilities to help organisations effectively manage their software licenses and contracts.

IBM Tivoli Service Level Advisor

Automatically analyses service level agreements and evaluates compliance, while using predictive analysis to help avoid service level violations. Provides graphical. business-level reports by the Web to demonstrate the IT business value.

IBM Tivoli Switch Analyzer

Allows automation of event correlation and root cause analysis by including a fast initialisation process, accurate and timely correlation and effective event management.

Orchestration and provisioning

Automate manual processes and use existing hardware, software and network devices without rewiring.

IBM Tivoli Configuration Manager

An integrated solution for deploying software and tracking hardware and software configurations. After systems have been deployed, the inventory module lets users automatically scan for and collect hardware and software configuration information from computer systems across an enterprise.

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IBM Tivoli Intelligent Orchestrator

Continually evaluates real-time IT resource status and dynamically responds based on business priorities. Provisions IT resources utilising automated decision making based on customer best-practice policies and workflows. Aligns IT resources to business policies to help reduce hardware, software and IT staff costs.

IBM Tivoli Provisioning Manager

Provisions and configures servers, operating systems, middleware, applications and network devices acting as routers, switches, firewalls and load balancers. Uses workflows to automate the manual provisioning and deployment process.

IBM Tivoli Workload Scheduler

Automates, monitors and controls the workflow through an enterprise's IT infrastructure on both local and remote systems. From a single point of control, analyses the status of the production work and drives workload processing according to installation business policies.

IBM Tivoli Workload Scheduler for Applications

Integrates the scheduling features of Tivoli Workload Scheduler to On Demand Business application environments. Leverages built-in workload capabilities of Oracle e-Business Suite, PeopleSoft 8, SAP R/3 and SAP Business Warehouse.

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Product index and supported operating systems

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Tivoli. software Intelligent management

"The incorporation" of autonomic selfmanaging capabilities was a critical factor in our selection of Tivoli Storage Manager. With these capabilities, I can spend less time worrying and need fewer administrators to manage the system."

Dale Tucker Assistant Manager of Enterprise Servers, Distributed Systems ATPCO

Storage management

A resilient, automated storage infrastructure to help improve data and application availability, optimise storage resource utilisation and enhance storage personnel productivity while lowering costs. The IBM TotalStorage Open Software Family of products includes comprehensive storage infrastructure management, hierarchical storage management, archive management and recovery management offerings.

Hierarchical storage, archive and recovery management

IBM Tivoli Storage Manager

Part of the IBM TotalStorage Open Software portfolio. Tivoli Storage Manager protects an organisation's data from hardware failures and other errors by storing backup and archive copies of data on offline storage. Scales to protect hundreds of computers running dozens of operating systems.

IBM Tivoli Storage Manager Extended Edition

Expands on the base product of Tivoli Storage Manager by adding a disaster-planning capability. Network Data Management Protocol control for network-attached storage filers and support for large tape libraries.

IBM Tivoli Storage Manager for **Application Servers**

Provides a software module that works with Tivoli Storage Manager to protect the infrastructure and application data and optimise the availability of WebSphere Application Server (see page 6) to provide an applet GUI to perform reproducible, automated online backup of a WebSphere Application Server environment.

IBM Tivoli Storage Manager for Databases

Provides a software module that works with Tivoli Storage Manager to protect a wide range of application data by protecting underlying database management systems holding that data. Exploits backup-certified utilities and interfaces provided for Oracle. Microsoft® SQL Server and Informix.

IBM Tivoli Storage Manager for Data Retention

Facilitates compliance with stringent regulatory requirements in a flexible and function-rich manner. Helps manage and simplify retrieval of the everincreasing amount of data that organisations must retain for strict records retention regulations.

IBM Tivoli Storage Manager for Hardware

Provides a software module that helps Tivoli Storage Manager and its other data protection modules perform high-efficiency data backups and archives of businesscritical applications while avoiding performance impact on database or Enterprise Resource Planning (ERP) servers.

IBM Tivoli Storage Manager for Enterprise **Resource Planning**

Captures reliable online full or differential recovery points for application servers and feeds the backup data into the Tivoli Storage Manager hierarchy.

IBM Tivoli Storage Manager for Mail

Provides a software module for Tivoli Storage Manager that automates the data protection of e-mail servers running either Lotus Domino or Microsoft® Exchange. Uses APIs provided by e-mail application vendors to perform online "hot" backups without shutting down the e-mail server.

IBM Tivoli Storage Manager for Space Management

Automatically and transparently migrates rarely accessed files to Tivoli Storage Manager storage

IBM Tivoli Storage Manager for Storage Area Networks

Extension that introduces storage agents which allow both server and client computers to make the bulk of backup/restore and archive/retrieve data transfers over the SAN instead of the LAN, either directly to tape or to the Tivoli Storage Manager disk storage pool.

IBM Tivoli Storage Manager for System **Backup and Recovery**

Provides a flexible backup method for IBM AIX® systems, helps protect data and offers bare metal restore capabilities. Also includes a comprehensive system backup, restore and reinstallation tool.

Storage infrastructure management

IBM Tivoli Storage Area Network Manager

Part of the IBM TotalStorage Productivity Centre, Tivoli Storage Area Network Manager provides a single standards-based solution for SAN management and includes automatic device discovery. real-time monitoring and alerts, zone control and SAN errorprediction capabilities.

IBM Tivoli Storage Resource Manager

Provides a set of policy-driven automated tools for managing storage capacity, availability, events and assets in an enterprise environment, including DAS, NAS and SAN technologies. Because it is policy-based. this intelligent console for the storage environment uses autonomic self-healing and self-configuring capabilities to detect potential problems and automatically make adjustments based on established policies and actions.

INCOMPANY AND

30 Storage management

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IBM Tivoli Storage Resource Manager for Databases Used with Tivoli Storage Resource Manager, Tivoli Storage Resource Manager for Databases allows you to track and trend storage usage and consumption within databases and enables you to discover problems in critical applications.

IBM Tivoli Storage Resource Manager for Chargeback

Used with Tivoli Storage Resource Manager, Tivoli Storage Resource Manager for Chargeback allows administrators to provide usage information on a departmental, group or user level, making data owners aware of and accountable for their data usage.

IBM TotalStorage Multiple Device Manager

Part of the IBM TotalStorage Productivity Centre, TotalStorage Multiple Device Manager reduces the complexity of managing SAN storage devices by allowing administrators to configure, manage and monitor the performance of their storage from a single console.

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Product index and supported operating systems

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Product index and supported operating systems

IBM Software Services

Now that you've purchased award-winning IBM technology, your next step is to integrate your powerful solutions into your business as quickly as possible. Tap in to the deep knowledge base of IBM Software Services. Our team has detailed product experience down to the last line of code. With worldwide accessibility, IBM Software Services can help you design, build, test and deploy applications for your On Demand Business quickly and efficiently.

For more information, visit: **ibm.com**/software/data/services **ibm.com**/lotus/services **ibm.com**/software/rational/services **ibm.com**/software/tivoli/services **ibm.com**/websphere/services Or contact Michael Graf, ANZ Regional Director, IBM Software Group Services on 132 426 in Australia or 0800 801 800 in New Zealand.

ON DEMAND BUSINESS"

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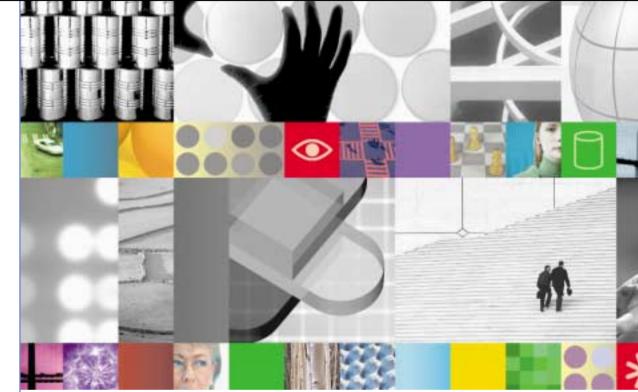
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