

IBM and Linux

Realize the scope of our commitment



Comprehensive solutions, designed for the work of your business

Today, IBM leads in its ability to deliver complete Linux® solutions and outstanding support for Linux in the enterprise. This didn't happen by chance. We've been solidly behind Linux and standards-based computing long before they hit the mainstream.

At IBM, not only do we know Linux, we understand what our Linux customers want. Our comprehensive Linux solutions—spanning hardware, software and services—are informed by deep process skills in 18 different industries. So when you come to IBM, you get a Linux solution geared to the specific needs of your business.

Whether you choose to use Linux to integrate your business processes, consolidate workloads or jump-start your e-business, IBM has Linux solutions to help you adapt quickly in a marketplace that waits for no one.



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What is Linux? The essentials



A new on demand business model is emerging that will require organizations to be flexible, adaptive and responsive to their customers on a global basis, integrating islands of technology to react quickly to changing business conditions. This in turn requires a new operating environment—one built on open standards.

And a key to that operating environment is Linux. Linux is helping companies address the twin challenges of reducing costs and expanding business in today's ever-changing marketplace. That's why enterprises around the globe are adopting Linux for what it can bring to their businesses: reliability, scalability, performance and cost savings. In fact, according to IDC, Linux is currently the fastest-growing server operating system, with shipments projected to grow by more than 34 percent per year over the next four years.¹

What is Linux?

Linux is a UNIX®-like, open source operating system created by a community of developers and governed by the GNU General Public License. An extremely stable operating system, Linux is fast, easy to customize, and efficient at managing computing resources.



What is open source?

With open source software, the source code is available to all without restrictions on use and without royalties. Linux programmers, working over the Internet, are the community that improves, adapts and fixes Linux—all at astonishing speeds. This rapid evolutionary process can produce software that is equal to or even better than that produced by the traditional development model. Comprised of both individual and corporate software professionals—including more than 250 dedicated IBM programmers—the community follows a highly disciplined and carefully monitored approach to improving the quality and functionality of Linux.

“IBM’s ability to build a comprehensive business solution on the z900 using Linux is an enormously powerful offer. It enhanced the performance of our applications and lowered our costs, while leveraging the value of our existing systems.”

Randy Lengyel, Senior Vice President of Management Information Systems, Wisconsin Physicians Service Insurance Corporation

Does that mean Linux is free?

While Linux can be downloaded free of charge from the Web, most commercial users obtain Linux for a fee from a distributor who provides support and service. IBM has relationships with the major distributors, such as Red Hat and UnitedLinux, a consortium including SuSE, Turbolinux and others.

How is Linux used?

Linux has evolved quickly from infrastructure tasks to business solutions. Once considered the domain of e-mail and the Web, Linux is now widely used for business-critical application hosting and transaction processing. Linux is now a dominant platform for Intel®-based supercomputing clusters, and is emerging as the platform of choice for wireless devices and pervasive computing. For application

development and deployment, Linux offers outstanding flexibility. Applications developed on Linux can be compiled to run on any platform architecture that supports Linux—from wristwatches to wireless phones and PDAs to mainframes. As long as your applications are built using today’s modern programming languages—including Perl, Java™ or JavaScript, C++, and XML or HTML—you can deploy and redeploy them as needed, quickly and easily.



Linux gets down to business



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In recent years, thanks to compelling economics and the flexibility of open standards, Linux has moved squarely into the realm of business computing.

The popularity and growth of Linux has been remarkable in the last few years alone. In industries that range from geophysical sciences to financial services, and from distribution and retail to the public sector, the economics of Linux are simply overwhelming. Here's a look at how customers are putting IBM solutions for Linux to work.

Branch and store operations

Many companies are now choosing Linux servers for their distributed e-business applications—especially those applications that need to be replicated in many different locations, often globally. For example, in banks, branch offices, retail chains, agent offices and public kiosks, as well as government field offices, such as postal facilities. Many of these applications are e-business and Web-based. Combine Linux's reliability, low total cost of ownership and Web-savvy nature with IBM's global services and support, and you have an especially attractive choice for these replicated solutions.



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Linux gets down to business

Workload and server consolidation

Companies across all industry sectors have the ability to achieve savings in total cost of ownership by using Linux to consolidate workloads from multiple servers onto a single IBM **@server™** xSeries™, iSeries™, pSeries™ or zSeries™ server. In fact, on every IBM server platform, Linux can run in multiple partitions, up to hundreds in the case of zSeries—each operating as if an individual, independent server, with security features and workload separation.

Linux clusters

Another exploding use of Linux is in the cluster environment. Universities have been using Linux clusters in scientific and technical environments for years. Now companies of all sizes are exploiting this capability for competitive advantage—performing processing-intensive tasks such as computer animation, seismic processing and financial risk management. Clusters that combine IBM xSeries servers with IBM cluster and file management technologies are highly scalable and are easy to set up and install, creating a true supercomputer at a fraction of the price previously associated with such systems.

Application flexibility

Today, more and more software developers and IT departments are choosing to develop on Linux since they can deploy their applications on many different environments—without extensive rework. Using open source Eclipse-based IBM WebSphere® Studio application development tools that run on Linux, developers can work directly in Linux rather than porting applications developed on other platforms. And, to build complete applications, they're using IBM's powerful Linux-enabled middleware, from databases to Web commerce engines to systems management tools.

Embedded and pervasive devices

Linux is emerging as a key element in the “device” marketplace. Because Linux is physically small, fast, and modular, many embedded device manufacturers see Linux as a simple and economic way to implement next-generation e-business applications for service personnel, sales representatives, mobile workers and distributions specialists. As a result, Linux is increasingly being used in handheld devices, phones and other small intelligent devices that can help improve productivity. And IBM Microelectronics is helping to speed deployment in this arena with a new, low-cost PDA blueprint kit for developers.

“The integrated IBM xSeries server solution and SteelEye Lifekeeper clustering software options on Linux provide us with the ability to rapidly deploy and easily manage our platforms, all with a price/performance advantage that’s unbeatable.”

*Andreas Walter, IT Manager,
BBDO Interactive*

Linux gets down to business



Our commitment to Linux



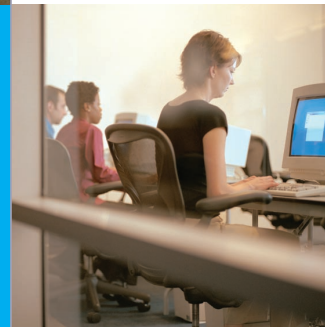
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IBM declared support for Linux and standards-based computing long before it was fashionable to do so. Today, our commitment has only deepened.

Linux is a key component of IBM's overall strategy to help our customers transform and grow their businesses. That's why we've enabled Linux across our server, software and services businesses, and we lead the industry in our ability to provide comprehensive Linux solutions. We have already assisted thousands of customers to capitalize on Linux as a key standard for e-business and the new on demand world.

Today, we are committed to:

1. Providing industry-leading products built to run Linux and Linux applications optimally, along with the services needed to develop and deploy these applications.
2. Ensuring that all of the operating environments we offer fully support Linux—so customers can take advantage of the innovation occurring with Linux.
3. Creating solution offerings, including hardware, software and services built on Linux, to allow out-of-the-box capability in handling workloads best suited for Linux.
4. Working with the open source community to support the enhancement of Linux for enterprise computing through contributions of IBM technology, resources and programming expertise.
5. Supporting and assisting the development and porting of enterprise applications to Linux.
6. Delivering Linux technical support, education and the consulting and implementation services that will enable our customers to implement Linux solutions with confidence.



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What's more, our commitment to Linux and standards-based computing is borne out by the use of Linux in our own organization. By the close of 2002, IBM was already running more than 1,000 Linux production servers—and we plan to add more. Our **ibm.com** Web site, as well as our intranet, are powered by many Linux servers. And we use Linux to drive critical business applications—for example, we recently launched a new \$2.5 billion chip manufacturing facility that is completely automated using Linux.

IBM's investment in Linux

At IBM, we're fully involved in the open source movement. As Linux usage continues to spread across the globe, we've been contributing our relevant technologies and experience to the open source community to help enhance Linux, to define the standards, and to ensure that Linux will continue to meet the needs of the enterprise. This commitment is evidenced by our support and participation in three main venues:

1. The Open Source Development Lab
2. IBM Linux Technology Center
3. IBM Competency Centers for Linux

Our mission is to provide leadership as well as superior products and services—all while being a key partner and contributor to the open source development community.

Open Source Development Lab

Sponsored by IBM, Hewlett-Packard, Intel and others, the Open Source Development Lab (OSDL) is the industry's first independent, nonprofit lab for developers who are adding enterprise capabilities to Linux.

- ***Independently governed***

The Lab is governed by an independent management board comprised of members from the open source community and representatives from sponsor companies. An independent executive director implements policies and funding decisions, and works with the community to select development projects.

- ***Reason for being***

The growing use of Linux in corporate IT demands the continued enhancement of Linux to support enterprise environments. OSDL provides open source developers with access to the large-scale, automated test systems needed to facilitate development of these features. The Lab also provides specialized technical guidance and project support through its Carrier Grade Linux and Data Center Linux working groups. For more information about the Lab and its projects, visit www.osdlab.org.

IBM Linux Technology Center

The IBM Linux Technology Center (LTC) is a global IBM development team that uses world-class IBM programming resources and software technology to advance the functionality of Linux across many different environments: servers, desktops, embedded devices and appliances.

The LTC is staffed by more than 250 of IBM's best developers, working on many facets of Linux and open source projects. The LTC team are trusted, valued members of the open source community, involved in Linux organizations, and responsible for significant contributions to the

Linux 2.4 and upcoming 2.5/2.6 kernels. They are also engaged in even further enhancements to Linux, in the 2.7/2.8 kernel time frame, for greater scalability, expanded data management facilities, and increased systems and cluster management functions.

The LTC plays an important role in the Open Source Development Lab, providing skills and expertise to Carrier Grade Linux and Data Center Linux teams. The LTC's deep body of expertise is also leveraged within IBM products and services, benefiting customers.

In keeping with IBM's overall commitment to Linux and open standards, the efforts of the LTC are 100 percent open source, as well as architecture and brand independent. For more information about the day-to-day activities of the LTC, visit www-124.ibm.com/linux



IBM is home to some of the deepest Linux expertise—expertise we make available to you, to help you deploy your Linux solution with confidence.

Expertise on tap

IBM has established a variety of facilities and services around the world to help customers and independent software vendors (ISVs) transition their applications and systems to the Linux operating environment. These initiatives include the Solution Partnership Centers for Linux, the Linux Integration Centers, the Technical Marketing Competency Centers, and Industry Competency Centers, along with the rapid deployment of specialized IBM Linux consultants, hardware and software specialists plus services professionals.

- **IBM Solution Partnership Centers**

Today, a wide variety of application solutions are available for Linux, with over 4,600 applications in the IBM Global Solutions Directory alone. IBM has established ten Solution Partnership Centers designed to foster the continuing growth of business applications for Linux. Located across Europe, Asia and the Americas, the Centers provide easy access to resources to help software providers migrate applications to Linux, including facilities for porting and testing applications in real-life scenarios. Many of the centers also offer IBM ServerProven® validation on Linux to help ensure that complete business solutions—hardware, software and applications—have been thoroughly tested and validated.

- **Linux Integration Centers**

IBM Linux Integration Centers (LIC) house teams of technical professionals with expertise in each of IBM's major software families, including DB2® Universal Database™, WebSphere, Tivoli® and Lotus®, plus specialized industry expertise. LIC engineers are available to assist IBM clients in the design and deployment of Linux solutions. The Centers provide technical consulting, product integration, and deployment planning services.

- **Industry Competency Centers**

IBM has recently launched two new financial services Linux Centers of Competence in two of the world's hubs of finance—the City of London and New York City. Here, financial services businesses can gain insight into how to harness the benefits of Linux and IBM Linux solutions. Plus, IBM Government Solutions Centers in Europe and the U.S. bring IBM experts and the public sector together to explore e-government solutions, including Linux.

- **Technical Marketing Competency Centers**

The Linux Technical Marketing Competency Centers in Poughkeepsie, NY; Boeblingen, Germany; and Montpellier, France offer Linux planning, demonstrations and workshops. With Linux running on zSeries servers, the Centers can both demonstrate and plan the integration of existing infrastructure elements with Linux applications. The Centers' expertise and capabilities cross traditional products such as CICS®, DB2, MQSeries® and IMS™, and extend to Web serving and Web hosting, including WebSphere, Samba applications and NFS serving.





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Today, IBM's support for Linux in the enterprise is industry-leading, as borne out by our continually growing range of products and solutions for Linux.

By the close of 2002, IBM had thousands of Linux customer engagements worldwide, on solutions ranging from Web serving to financial management to some of the largest supercomputers performing seismic processing and genomic research. The key to this success is the sheer scope of our Linux offerings—spanning hardware, software and services—all designed to help you fully tap the many strengths of Linux and compete more effectively in a rapidly changing marketplace.

IBM systems

Linux and IBM @server: A reliable foundation for Linux

IBM has enabled the entire IBM @server family to support Linux, giving customers the widest choices in the industry for deploying solutions on Linux. From Intel processor-based servers through the entire range of server options to the largest mainframes, IBM servers run Linux natively, in partitions for improved workload consolidation and integration, and in clusters attaining supercomputer configurations at affordable prices. The reliability, performance and support delivered by IBM @server systems, coupled with IBM's 24x7 support offerings for Linux, provide you with the support and service you need to deploy your e-business applications on Linux with confidence.



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xSeries

Intel processor-based xSeries servers offer a solid, reliable foundation for Linux-based computing, providing outstanding performance, outstanding availability and greater manageability for core business applications. From single servers to powerful clusters enabled for Linux, xSeries offers a variety of server configurations to fulfill your Linux application needs. Visit ibm.com/servers/eserver/linux/xseries



IBM xSeries servers are favored for Linux clustering applications, offering supercomputing performance at mass-market prices.

iSeries

iSeries servers support Linux systems integration and consolidation via industry-leading logical partitioning, allowing simultaneous Linux partitions and OS/400®, with up to 31 Linux partitions on the largest iSeries models. Linux applications can access DB2 as well as OS/400 programs and services through virtual Internet LANs. What's more, the iSeries for Linux offering provides a Linux-only solution alternative. Linux on iSeries gives you the advantage of extending your environment to realize the benefits of open source applications and functionality. Visit ibm.com/servers/eserver/iseries/linux

pSeries

pSeries servers bring 64-bit performance and the reliability and scalability of POWER processor technology to Linux. pSeries Linux-capable servers give you the capability to run Linux, AIX®, or both on a single powerful server through logical partitioning, while supporting open standards and solutions. Joining the pSeries family of Linux-supported servers are the new Linux-ready express configurations, which deliver a Linux-only pSeries platform. Visit ibm.com/servers/eserver/pseries/linux

zSeries

zSeries servers deliver an industrial-strength environment for use with Linux applications. Hundreds of Linux images can be run simultaneously, providing unique server consolidation capabilities and helping to reduce both costs and complexity. Using IBM middleware and database software, Linux applications can communicate and share data with other zSeries applications running simultaneously under OS/390® and zSeries partitioning technology. Visit ibm.com/servers/eserver/zseries/linux

IBM @server Cluster 1350

The Cluster 1350 combines xSeries rack-optimized servers running Linux with high-speed interconnects and proven cluster management software. IBM assembles and pretests each customer configuration before shipment. Cluster Systems Management Software provides a single point of control for the cluster, monitoring hardware and software events to trigger automated recovery when appropriate. The Cluster utilizes the Generalized Parallel File System for shared file access, and provides failover functionality. The Cluster provides high performance, horizontal scalability and high availability for a wide variety of applications, from scientific and technical, to commercial computing, to Web serving. Visit ibm.com/servers/eserver/clusters

IBM @server BladeCenter

BladeCenter™ provides a powerful, small-footprint server environment that allows you to intermingle and hot-swap Linux blades on demand, while continuously running blades with other operating systems—all from a single, physical box. Up to 14 blades are housed in a high-density enclosure that simplifies remote management, speeds deployment and boosts scalability. Coupled with Linux, BladeCenter provides a cost-effective clustering solution. Visit ibm.com/eserver/bladecenter

IBM TotalStorage

In e-business environments, IBM TotalStorage™ products are enabled to support Linux, including the ESS, tape systems and FastT storage. IBM FastT storage products provide flexible, affordable storage for Linux-based systems, especially for the Intel-based xSeries servers. Visit ibm.com/storage/linux

IBM IntelliStation

IntelliStation® workstations provide a professional high-performance environment for Linux users, optimized for the demands of engineers, media creators, software developers and financial analysts. From deskside to rackable configurations, these workstations are also being used in retail store systems and kiosk applications, combining the high reliability and cost-effectiveness of Linux with the robustness of IntelliStation. Visit ibm.com/ww/intellistation/linux

IBM Integrated Solutions for e-business

Available for zSeries and xSeries servers, Integrated Solutions for e-business provide all the components needed to create an integrated Linux solution. Visit ibm.com/servers/solutions/linux/integrated

The zSeries offering allows you to choose from preconfigured and tested hardware and software packages so you can quickly build a reliable Linux and mainframe-based e-business, including: SuSE Linux Enterprise Server 7 for S/390® and zSeries, z/VM™ v4.3, WebSphere Application Server AE v4.0.4.,

IBM Directory Server (LDAP) v4.1, one year of software support and IBM Global Services Linuxline support, and optional installation and customization support from IBM Global Services, plus IBM Global Financing. Visit ibm.com/servers/eserver/zseries/os/linux/integrated

The xSeries offering is a predefined set of hardware and software components integrated and tuned based on extensive IBM experience in e-business. A combination of IBM xSeries servers, WebSphere Application Server, IBM DB2, and security and directory functions provide the basic e-business infrastructure you need to deploy your business solutions. Visit ibm.com/servers/solutions/linux/integrated/xseries

IBM DB2 for Linux Clustering Solution

This solution provides you with a high-performance data management system that can scale from two to 1,000 nodes in a clustered Linux environment. Based on IBM DB2 Universal Database and the IBM @server xSeries platform, the solution includes WebSphere Application Server, Tivoli systems management software, SuSE Linux 8, and SAP solutions such as SAP R/3, mySAP CRM and mySAP BusinessIntelligence. Visit ibm.com/software/data/pubs/pdfs/total.pdf

“The inherent scalability of our new Linux-based IBM cluster infrastructure puts us in a much better position to adapt as our needs evolve, while keeping our additional hardware and management costs to a minimum.”

Dr. -Ing Johannes C. Lorenz, Manager of Software Production Environments, MAN Nutzfahrzeuge AG



IBM Digital Content Creation

IBM Digital Content Creation (DCC) is a high-performance solution of hardware and software, packaged with round-the-clock services, designed to more easily support your computer graphic interface and content creation needs. Based on the award-winning IntelliStation workstation and the Linux operating system, combined with state-of-the-art IBM @server xSeries servers and a variety of storage options, including FastT, LTO, and various SAN and NAS offerings, IBM Digital Content Creation supports specialty ISV software for animation and graphics, and affords an easy path for server growth. Visit ibm.com/industries/media/solution/SOLUTIONS_87905.html

Grid computing

Ten new IBM Grid offerings are designed to address specific industry-related issues in areas such as research and development, engineering and design, business analytics, enterprise optimization and government development. Through our relationships with leading grid tool and application providers, plus Globus, IBM provides an OGSA reference implementation based on J2EE for developing a company's grid computing environment. This tool kit is available across all IBM systems running Linux or AIX. Visit ibm.com/grid

Premier IBM e-business software for Linux

At IBM, part of our commitment to the open source community is to ensure that we offer the same rich capabilities for deploying solutions on Linux that we offer on other operating systems. For that reason, we've extended all our key middleware products to the Linux operating system. Our powerful middleware can help you react rapidly, delivering the new applications you need to respond to customer demands while leveraging the cost-effectiveness of Linux. For information on all our software offerings for Linux, visit ibm.com/linux/software

IBM DB2 Universal Database

The DB2 advantage is simple: pure power at a lower cost than any other e-business Linux database on the market. DB2 on Linux gives you a robust, easy-to-manage database that offers high performance, complementing the stability and reliability of the Linux platform. DB2 Connect for Linux provides fast, robust connectivity to IBM mainframe and OS/400 databases from Linux-based applications, while DB2 UDB Extended Enterprise Edition provides a single database distributed across a cluster of Intel-based servers.

Lotus Domino and Lotus Workflow™ products

Lotus Domino™ for Linux provides Web application support, Internet messaging, enterprise integration tools, tight security, workflow and administrative services. Existing applications running on Lotus Domino with Microsoft® Windows NT® or Windows® 2000 can easily be moved to Domino for Linux, making the transition simple for companies ready to use Linux.

Lotus iNotes

Lotus iNotes™ Web Access software allows you to broaden the use of Linux to connect remote and mobile workers with up-to-date information. With support for the Netscape browser running on Linux clients, Lotus iNotes Web Access software enables users to access Lotus Notes®-based functions, including e-mail, calendaring and scheduling, by simply logging onto the Web.

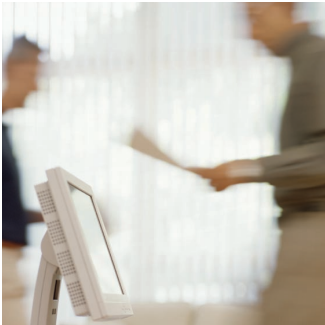
“Reliability, competitive price and compatibility with the Linux operating system were key reasons why we chose IBM xSeries servers to coordinate Mexico’s election process.”

Juan Carlos Lopez, Project Director for Instituto Federal Electoral



IBM WebSphere software platform

WebSphere products for Linux enable you to build, deploy and manage next-generation e-business applications. You can create high-performance, personalized Web sites, conduct e-commerce transactions and manage high-volume Web sites. Over 35 software offerings are included in the WebSphere family. For more information on the entire WebSphere family, visit ibm.com/linux/software



WebSphere Application Server for Linux

Providing a robust Java-based environment for building, deploying and managing Web applications ranging from simple publishing through enterprise-scale transaction processing, WebSphere Application Server includes support for Apache Web servers and current open standards for Web services.

WebSphere Commerce Suite

WebSphere Commerce Suite provides a powerful, integrated solution that helps get e-commerce sites up and running quickly. Through its shopping personalization and catalog merchandising capabilities, WebSphere Commerce Suite can help businesses drive sales by up-selling and cross-selling.

“The integration of the IBM zSeries with new applications under Linux gives us a powerful combination for Web serving and positioning ourselves as an innovative service provider in the public sector IT services market.”

Oliver Kamp, Director for IT Systems Technology, KRZN (Kommunales Rechenzentrum Niederrhein)

WebSphere MQ family

With MQSeries, Linux applications can be quickly integrated with applications on more than 35 other platforms. MQSeries Everyplace® extends application access to mobile workers using laptops, PDAs and telephones.

Tivoli for Linux

Tivoli offers e-business infrastructure management expertise that can ease the integration of Linux open technology into existing IT environments. Tivoli Linux offerings support key management functions, including: performance and availability; configuration and operations management; security and storage management; plus back-up and recovery services. Visit www.tivoli.com/linux

ISV software

IBM is allied with many independent software vendors (ISVs) that deliver a multitude of Linux applications to varied industries. Over 4,600 applications are now available from IBM Business Partners and ISVs such as ACCPAC, Relavis, SAP, J.D. Edwards and others. Visit ibm.com/linux/software

CICS Transaction Gateway

CICS Transaction Gateway provides simple, efficient and scalable connectivity between Linux Web applications and back-end application systems running on CICS. Visit ibm.com/software/ts/cics/ctg

For more information about our software products for Linux, visit ibm.com/linux/software

For information on applications, tools and services for Linux from IBM Business Partners, visit ibm.com/software/solutions/isv

IBM application development tools for Linux

Linux Software Evaluation Kit 2003

This kit, Speed Start Your Linux Applications, contains the newest releases of DB2 Universal Database, WebSphere Application Server, and Lotus Domino, plus WebSphere Studio Site Developer, WebSphere MQ, Tivoli Access Manager, and more, to help you learn Linux, get familiar with IBM middleware and tools for Linux, and develop new applications. For more information visit ibm.com/developerworks/offers/linux-speed-start

WebSphere Studio Application Developer for Linux

Built on the Eclipse open development environment, WebSphere Studio Application Developer for Linux allows developers to create e-business applications directly on Linux. This powerful tool integrates Java and Web development tools in a single environment with support for open Web standards. Download the preview version from ibm.com/software/ad/studioappdev

IBM Developer Kits and Runtime Environments for Linux

These kits provide application portability and scalability for Java- and Java 2-based applications, easing the transition from IBM xSeries to zSeries servers. Industry-standard APIs are optimized to provide the performance and stability required by many mission-critical e-business applications. Visit ibm.com/developerworks/java/jdk

IBM developerWorks™ for Linux

This online resource from IBM is home to tools, products, articles, tips and tutorials on the development platforms favored by Linux developers and the open source community at large. The site also provides access to some of IBM's best Linux technical experts and developers. Visit ibm.com/developerworks/linux

IBM support and services for Linux

Offering the industry's most comprehensive portfolio of Linux technical support and consultative services, IBM is uniquely qualified to assess, recommend, execute, integrate and support Linux-based solutions. IBM Linux engineers are available 24x7 to provide expert technical assistance to help you deploy your Linux solutions with confidence. More than 3,000 IBM Global Services consultants skilled in Linux are available worldwide to help you strategize, design, build and enhance your Linux solutions. What's more, IBM Learning Services offers a wide curriculum available to help you build your Linux skills. To explore the variety of offerings available, visit ibm.com/services/e-business/linux.html

Consulting, technical and implementation services

- **IBM Operational Support Services—SupportLine for Linux:**
24x7 remote Linux technical support, problem determination and problem source identification, plus defect support for the Linux operating system, including all IBM servers, Linux clusters and all major distributions of Linux.
- **Linux Strategy Workshop:**
A unique, compact workshop that helps you develop a customized strategy for incorporating Linux based on your IT environment, your business issues and your budget requirements.
- **IBM Managed Hosting—Linux virtual services:**
Provides hosted and managed server capacity without the upfront expense of physical hardware, letting you leverage virtual servers within IBM hosting facilities. You only pay for the processing, storage and network capacity you need.

- **Cluster Implementation Services:**
Offers complete factory service for Linux clusters, including planning and design, implementation and rack installation, factory burn-in, onsite delivery and support.
- **Linux Solution for e-business:**
Helps you rapidly deploy a Linux-based environment tailored with middleware, applications and an IBM-supported Linux operating system.
- **Open Source Computing Consulting:**
Helps customers considering Linux get up to speed with the “ins and outs” of open source computing and the open source community.
- **Migration Services for DB2:**
Addresses migration needs and services as well as skills transfer between versions of DB2 UDB, including assistance with running DB2 for Linux on zSeries and zSeries partitions.

- **IBM SmoothStart Service for MQSeries:**
Offers planning, installation configuration and verification services for MQSeries Solutions with Linux, to help ensure that your MQSeries environment is up and running quickly.
- **Application Porting Services:**
Porting of non-Linux applications to Linux, drawing on IBM experts with multivendor proprietary systems skills and knowledge.
- **Server Consolidation:**
Assists you with consolidating applications and data from multiple architectures and physical hardware systems into a single-resource Linux-based solution.

To learn more about the wide variety of IBM service and support offerings available for Linux, visit ibm.com/services/e-business/linux.html



IBM Learning Services

IBM Learning Services offers a full portfolio of Linux-related education, training and certification courses in 20 countries and 5 languages. IBM is also a sponsor and provider of the Linux Professional Institute Certification program. Online Course Roadmaps help you plan your training path and the courses you need to complete a specific curriculum or certification program, while the online Course Advisor tool suggests courses to take based on the skills you want to acquire. Detailed information on course offerings can be found at ibm.com/services/learning/spotlight/linux

IBM Redbooks for Linux

IBM Redbooks™ for Linux are “how-to” books written by very experienced IBM, customer and Business Partner professionals from all over the world. Over 100 publications are available through the IBM Redbooks home page to help you with your deployment and use of Linux and IBM solutions for Linux. For more information visit ibm.com/redbooks



Learn more today



At IBM, we've made Linux and standards-based computing a top priority across our entire business, investing in knowledge, technology and skills to bring real solutions to customers in all industries. We've already enabled Linux across all of our servers, e-business software and services, and we continue to innovate, bringing new Linux products

and services to market regularly. What's more, we will also continue to work closely within the open source community to ensure that Linux evolves to meet the changing needs of business.

In short, we believe that Linux holds a very promising future for us all.

To find out more about IBM's commitment to Linux, simply visit us online at ibm.com/linux





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The customer experiences cited in this document are presented as examples of how these customers have used IBM products. As customer environments and needs vary, similar results are not guaranteed elsewhere.

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