

IBM and Red Hat

Spanning the Enterprise Around the Globe



Highlights

- *IBM and Red Hat® combine to bring a full range of commercial-strength Linux solutions to global enterprises.*
- *Red Hat Enterprise Linux 3 is announced supporting IBM's @server™ xSeries™, iSeries™, pSeries™, and zSeries™ servers with a single architecture.*
- *Key IBM middleware to be certified on Red Hat Enterprise Linux, including DB2®, Websphere®, Lotus®, and Tivoli®.*
- *Services Alliance allows IBM and Red Hat to implement and support sophisticated Open Source solutions globally, 24 x 7.*
- *Red Hat is a global leader in Open Source Solutions. Publicly traded with more than 600 employees, it provides products and services to a wide range of customers.*



IBM and Red Hat, a long term Alliance for Success

Providing the advantages of Linux, comprehensive services, technology leadership, and global reach, the IBM and Red Hat alliance gives customers the confidence and ability to deploy a resilient infrastructure throughout the enterprise.

Collaboration brings Customer Comfort

IBM Global Services and Red Hat collaborate to provide Linux services worldwide. Customers can choose a variety of support and services offerings from IBM and Red Hat. IBM Global Services and Red Hat work in combination to provide thought leadership in Linux development, application development, and migration engagements.

IBM Global Services offers hosting, outsourcing and enterprise architecture services for Red Hat Enterprise Linux, thus providing full enterprise support.

Red Hat Network (RHN) is Red Hat's modular, web-based, Linux infrastructure management platform. All Red Hat Enterprise Linux subscriptions include an RHN Update Entitlement. Customers may also purchase subscriptions through Red Hat-authorized IBM resellers.

“IBM and Red Hat create a compelling value proposition for customers – Linux industry leaders combining forces to deliver robust enterprise solutions.”

Jim Stallings, GM Linux, IBM

Red Hat Enterprise Linux 3 Spans IBM @server™ Platforms

With a common code base supporting all leading industry platforms, RHEL 3 affords customers ultimate flexibility in choosing an IBM platform that's right for the job. Red Hat Enterprise Linux 3 contains many new features including:

- Support for 5 new architectures including IBM's iSeries™, pSeries™, and zSeries™.
- Over 350 general enhancements
- Back-ported features from Linux 2.5/2.6 kernel trees
- Available in 10 languages.

An Enterprise Linux for all Environments and Budgets

Red Hat Enterprise Linux is offered as an annual subscription that includes the compiled and digitally signed Enterprise Linux operating system, production level technical support, and updates via Red Hat Network.

Red Hat Enterprise Linux AS

RHEL AS is the top-of-the-line server operating system solution, optimized for deployment in large departmental and datacenter server environments and on IBM's xseries™, iSeries™, pSeries™, and zSeries™ servers.

Red Hat Enterprise Linux ES

RHEL is suitable for the majority of today's business computing needs – from systems ranging from the edge-of-network to medium-scale departmental environments.

Red Hat Enterprise Linux WS

RHEL WS is the desktop/client partner for Enterprise Linux AS and Enterprise Linux ES (1-2 CPUs). Red Hat Enterprise Linux WS is ideal for all desktop deployments, including office productivity, S/W development environments, and targeted ISV client applications. When configured as a headless workstation, Enterprise Linux WS is also ideally suited for use as a compute node in a High Performance Computing (HPC) environment.



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The world's most comprehensive middleware for Linux

IBM and Red Hat software development organizations collaborate on delivering the largest and broadest portfolio of middleware ready for deployment on Linux:

- IBM offers more than 200 products across the IBM DB2®, Websphere®, Lotus®, and Tivoli®, middleware product lines that support Red Hat Enterprise Linux -- more than any other vendor.

- IBM is the only software provider for Red Hat Enterprise Linux with commitments on all @server™ platforms enabling rich Web services, J2EE, information management, system management, and software development functionality for industrial strength Red Hat Enterprise Linux solutions running eServer xSeries™, iSeries™, pSeries™, and zSeries™."

Spanning the broadest server line in the industry – IBM @server

iSeries - iSeries can consolidate infrastructure workloads and integrate applications on a single server with shared processor partitioning, dynamic resource movement, and resource virtualization. With Capacity on Demand, processors can be dynamically activated and moved into running Linux partitions to give immediate power to changing workload demands.

pSeries - Linux for pSeries delivers support for up to 32 way POWER4 SMP systems and clusters, 32 or 64 bit, and up to 512 GB memory. Logical Partitioning (LPAR), allows running Linux and AIX on the same server. The new Service Toolkit provides first failure data capture, error log analysis for problem determination.

xSeries , e325 and BladeCenter™ – A reliable foundation for Linux solutions, xSeries and e325 servers leverage IBM Enterprise X-Architecture™ state-of-the-art, industry-leading technologies to deliver enterprise class power, scalability, and availability at very attractive prices. BladeCenter provides a new way to achieve the critical goal of doing more with less with easy modular scalability.

zSeries - Legendary IBM zSeries benefits - performance, scalability, security and reliability are combined with the flexibility and open standards of Linux. Allows consolidation from tens to hundreds of independent Linux servers onto a single server, deployable in minutes. Provides a highly secure and integrated environment, by close proximity to z/OS. Shared resources allow tight integration of data and applications.

Details on Red Hat Enterprise Linux 3 for IBM's @server family can be found at www.redhat.com/software/eserver.

Red Hat Enterprise Linux 3 Feature Summary

- ❖ Kernel 2.4.21 with numerous 2.5/2.6 backports
- ❖ Better support for large SMP, memory, and I/O configurations
- ❖ Forward compatibility between RHEL 2.1 and RHEL 3
- ❖ Improved desktop environment
- ❖ 4GB-4GB Kernel/User memory split
- ❖ Enhanced security features
- ❖ Enhanced networking features
- ❖ Native Posix Threading Library
- ❖ GCC 3.2 tool chain environment
- ❖ Supports up to 64 GB memory
- ❖ Supports up to 256 SCSI and Fibre Channel devices
- ❖ Logical Volume Manager
- ❖ Diskless support system
- ❖ Bluecurve™ desktop provided
- ❖ 10 Languages Supported
 - Chinese - Simplified
 - Chinese - Traditional
 - English
 - French
 - German
 - Japanese
 - Korean
 - Italian
 - Spanish
 - Portuguese
- ❖ LSB 1.3 Compliant
- ❖ 12-18 Month Release Cycle
- ❖ Maintenance for 5 years

This document is intended to describe generally the offerings of Red Hat, but it is not a substitute for the detailed product descriptions and specific offerings. For details on those offerings, please contact Red Hat. For details on the IBM hardware, software, and services offerings mentioned in this document, please contact your IBM representative or visit our website at ibm.com/linux.

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