Red Hat Enterprise Linux and HP servers—the high-performance solution for demanding IT environments

Simplicity, agility, and value on Linux

Overview

- Adopt and deploy a reliable, enterprise-ready Linux distribution rapidly and easily.
- Simultaneously cut costs, improve efficiency, and increase agility.
- Establish an efficient, high-performing, secure foundation for your IT infrastructure.

Why Red Hat Enterprise Linux?

As enterprises begin to grasp the real benefits Linux has to offer, more and more of them are migrating business-critical applications to industry-standard Red Hat Enterprise Linux. Red Hat Enterprise Linux is a reliable, secure, high-performance platform designed for demanding commercial environments.

Sold by HP in several versions spanning every need from client systems to enterprise servers, Red Hat Enterprise Linux (RHEL) delivers a consistent application, management, and user environment.

Some of the features that make RHEL stand out are its scalability, networking capability, and security features, as well as its support of both 32- and 64-bit architectures. As a result of this rich set of features, RHEL is already running some of the world's largest commercial, government, and academic institutions.

"Red Hat and HP are committed to working together as market leaders and delivering value to our customers with open source solutions," said Tim Yeaton, Senior Vice President of Worldwide Marketing and General Manager of Enterprise Products at Red Hat. "Our combined customers can leverage the power and flexibility of Red Hat Enterprise Linux and HP Solutions for an efficient, high performing, and secure foundation when deploying new, reliable, and fully supported IT infrastructure solutions."

The ideal platforms

If you are considering Red Hat Enterprise Linux as your Linux distribution, your platform choice should be easy. HP certifies more platforms on Red Hat than any other vendor—period. From our versatile blade servers to our high-powered Integrity servers, HP servers are setting the standard, having demonstrated world-leading performance across the industry's most demanding and diverse workloads. In all, there are more HP servers running Linux[1] right now than any other server, anywhere—making HP the undisputed platform of choice for Linux distributions.

Why HP for Red Hat?

We are dedicated to joint engineering.
HP engineers have worked hand in hand with Red Hat engineers for years to make sure that Red Hat Enterprise Linux works on HP platforms right out of the box, the first time, every time. HP software engineers perform rigorous benchmark and performance testing throughout the alpha and beta stages of development. They simulate customer environments and push systems to their limits. And when they're finished with that, they push harder, going beyond what would ever happen in a customer environment—just to be sure the system can handle real-world stress. Seamless integration is so important that HP keeps an engineer onsite at Red Hat, dedicated to performance testing and closely involved with Red Hat development teams.

Our software and drivers make deployment easy.
All HP platforms include software and drivers to help you set up, deploy, and configure Linux systems rapidly and easily. For large-volume or unattended deployments, we also offer optional deployment packs that provide drag-and-drop deployment, fast imaging, and scripted installations.

We offer powerful clustering and high-performance computing solutions.
The high-performance computing (HPC) market is expanding over 20 percent a year, with many new users and applications. If your business is interested in taking advantage of the benefits HPC can offer, HP and Red Hat can help. We've worked together to develop best-of-breed, end-to-end clustering solutions on HP servers running Red Hat Enterprise Linux. HP blade servers, in particular, are well suited to clustering and are increasingly the choice of customers with critical compute-intensive workloads. What's more, to leverage our blade server technology to its full potential, HP provides Red Hat operating system products in creative bundles designed to meet the specific requirements of HPC customers using blades.

HP Serviceguard for Linux and Red Hat Global File System (GFS) provide a comprehensive high-availability solution for a cluster of HP servers running Red Hat Enterprise Linux. Now available as a tested bundled offering directly from HP, Serviceguard for Linux and GFS together enable continuous access to both applications or services as well as data, and can scale for performance without creating management complexity.

Our management tools improve efficiency.
HP's management software is designed to leverage the sophisticated capabilities of HP hardware and simplify overall system administration. Our software solutions are designed to work across networks, servers, applications, and storage—helping your IT staff to do more with less.

- **HP Systems Insight Manager** provides server-level management, helping to boost system uptime and performance by providing proactive notification of problems before they result in downtime.
- **HP Control Tower for HP BladeSystem** is an integrated Linux management and deployment software package based on award-winning RLX Control Tower software, providing immediate administration and easy control for HP BladeSystem servers.
- **HP OpenView management software** provides system-level management, enabling you to increase IT service quality by monitoring and measuring the availability and performance of each element of your infrastructure. With over 60 software management modules and tools, HP OpenView software can help you manage even the most demanding Linux environments.

HP also supports Red Hat Network, which adds value in areas such as patch maintenance, grouped management, and provisioning. Red Hat Network provides a trusted stream of content from Red Hat. Red Hat delivers updates and security fixes directly to you, so you don't need to track hundreds of open source projects.

[1] In fact, according to IDC, HP (combined with Compaq) has consistently led the worldwide Linux server market in factory revenue and units for the past eight years. Source: IDC Worldwide Quarterly Server Tracker, August 2006.

"The complementary solution of Oracle® and HP technologies on an unbreakable yet flexible infrastructure of AMD-based HP ProLiant servers running Red Hat Enterprise Linux has yielded us fast and accurate processing; higher storage and server utilization; simpler administration, maintenance, and upgrades; and optimal performance, all at the right price!"
—Jim Meredith, IT manager, Replacements, Ltd.

We make it easy to adopt open source technology.
HP Open Source Middleware Stacks (OSMS) is part of the HP Open Source Integrated Portfolio—a new approach to building environments that integrate open source technology. The HP Open Source Integrated Portfolio provides a broad choice of software, middleware, services, operating system, and platforms, so you can tailor your IT infrastructure to meet your specific needs.

HP OSMS offers customers three different ways to adopt open source technology on HP platforms with Red Hat Enterprise Linux:

- Supported HP Open Source Middleware Building Blocks of best-of-breed software components
- Workload-specific, do-it-yourself HP Open Source Middleware Blueprints of integrated and supported middleware stacks
- HP Open Source Consulting Services, for a services-led engagement to create customized middleware stacks from open source as well as commercial software

HP OSMS can help you reduce the complexity and risk of your Linux rollout, accelerate solution deployment, and expedite integration with your heterogeneous multi-OS environment.

Together, we deliver greater security.
Common Criteria has emerged as an internationally recognized ISO standard for security in the technology industry. It is currently recognized by more than 20 governments around the world as the standard by which security levels are determined for various technology products. HP has earned Common Criteria Certifications for HP ProLiant and HP Integrity servers supporting Red Hat Enterprise Linux, including the Controlled Access Protection Profile (CAPP) at an Evaluation Assurance Level (EAL) of 3+, and is in formal evaluation for Labeled Security Protection Profile (LSPP), Role Based Access Control Protection Profile (RBACPP), and CAPP certification on Red Hat Enterprise Linux 5—clear evidence of the rigorous development and test methodology of HP and Red Hat.

The goal is to create an even more secure Linux platform for government and commercial IT deployments that require trusted operating-system features to minimize the risk of damage from attacks on their networks.

We're a one-stop shop for worry-free Linux implementation.
Finally, with Red Hat's product suite available through HP, and HP service professionals ready to guide you from software selection through implementation, HP is able to offer one-stop shopping—a single resource and point of accountability throughout your Linux implementation.

These partnering efforts add value and peace of mind by providing simpler decision-making, reduced cost, and proven results.

Taking the next step with Red Hat Enterprise Linux

Linux today is an exciting, enterprise-proven technology that offers businesses the opportunity to cut costs and improve efficiency and agility. However, the benefits and cost savings that Linux delivers vary depending on which distribution you choose and which platform you deploy it on. If you're considering Linux for your commercial IT environment, be sure to choose a distribution that is scalable, reliable, secure, and capable of supporting both today's and tomorrow's high-powered architectures. And when you select a solutions provider, make sure it's a company with a solid history in the open source community—one that will enable your Linux deployment to perform at maximum capacity by providing management tools, service and support, and ongoing joint engineering.

HP Financial Services—put the power of the HP portfolio to work for you

In addition to having the industry's strongest portfolio of products, services, people, tools, methodologies, and world-class partnerships, HP makes it easy on the balance sheet to put the power of the HP portfolio to work for you through HP Financial Services. For more information on these services, contact your HP sales representative, or visit: **www.hp.com/go/hpfinancialservices**

For more information

If you'd like to learn more about how HP and Red Hat can bring the power, reliability, and cost-effectiveness of Linux to your enterprise environment, call your local HP sales representative or visit:

www.hp.com/go/redhat

www.redhat.com/solutions/partners/partnerspotlight/hp/

HP Services

HP offers a full portfolio of services for Linux, delivered by more than 6,500 Linux and open source service professionals with 16 response centers around the globe. As part of our partnership with Red Hat, we offer services for each step in the lifecycle, from integration to support to outsourced management. We can help you get a higher level of performance from your Linux system and, at the same time, improve your return on IT investment. In addition to supporting all Red Hat Enterprise Linux versions, we also support Red Hat Network.

HP Services delivers:

- Access to highly qualified and diversified experts who can cover all facets of your Linux and open source support needs, with a deep knowledge of multivendor hardware and software environments—not just HP technologies
- HP Care Packs for a range of installation, startup, and support services, available either at fixed prices or via a customized statement of work
- A choice of hardware service levels to suit your specific needs
- HP ProLiant Essentials services
- Access to the Red Hat network for software updates
- Comprehensive software support services tailored to your needs
- HP Education Services—embracing the requirements of end users, system administrators, and support personnel

To find out more, please visit **www.hp.com/go/linuxservices**

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