Build an intelligent IT foundation

Dell EMC and Red Hat provide the hardware and software you need for digital business.

Build on a proven foundation

Red Hat Enterprise Linux has been validated and certified to run on Dell EMC hardware for **20+ years**, giving you a proven foundation for IT innovation.

Digital business requires agile, service-centric IT

In a digital world, IT is a critical business asset. To deliver competitive advantages, IT organizations must shift from traditional infrastructure operations to flexible, service-centric environments. In fact, organizations with modern IT are up to 3.6x more likely to increase customer spend using data analytics than those with aging IT.[1]

Together, Red Hat and Dell EMC provide a consistent, innovative foundation for modern business.

Build an intelligent foundation for modern business

The combination of Red Hat® Enterprise Linux® 8, Dell EMC PowerEdge servers, Dell Precision workstations, and Dell EMC OpenManage forms an agile, manageable, enterprise-grade platform that supports today's needs while adapting for the future.

- Red Hat Enterprise Linux 8 provides an intelligent, stable, and security-focused foundation for modern, agile business operations.

- Dell EMC PowerEdge servers and Dell Precision workstations supply high-performance, scalable compute power for enterprise applications and workloads.

- Dell EMC OpenManage systems management solutions offer intuitive systems administration and repeatable automation to reduce complexity.

Ensure certified consistency across systems

Rigorously tested for stability and performance, Red Hat Enterprise Linux 8 is certified to run on a variety of Dell EMC hardware. Fully supported on all Dell EMC PowerEdge rack servers, towers, blades, and PE-C systems, it delivers a consistent application and user experience across platforms. This allows you to deploy applications and workloads across on-premise and cloud environments, knowing they will operate reliably. Refer to the Operating System Library for guidance about installation, performance tuning, troubleshooting, and more.

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[1] Enterprise Strategy Group (ESG) Research Insight Paper: Measuring the Value of Data and Analytics Inside Modernized IT Departments, commissioned by Dell EMC, August 2019. www.dellemc.com/en-us/collaterals/unauth/analyst-reports/solutions/esg-research-insight-measuring-value-of-data-analytics-in-modern-it-departments.pdf.

Together, Red Hat Enterprise Linux 8 and Dell EMC systems deliver many benefits for digital businesses.

Integrated intelligence

Red Hat Enterprise Linux 8 offers built-in manageability and integration with Red Hat management and automation products. Included in all active Red Hat Enterprise Linux subscriptions, Red Hat Insights delivers predictive operating system analytics that let you rapidly identify and remediate threats to availability, security, stability, and performance. Proactive, automated issue resolution helps to ensure that your environment is operating optimally to avoid problems and unplanned downtime. Additionally, Dell EMC OpenManage provides visibility into key aspects of your infrastructure, including system health, compliance, power consumption, and utilization.

Enterprise application support

Red Hat Enterprise Linux 8 and Dell EMC hardware provide a trusted, optimized platform for enterprise applications and critical databases—including SAP® HANA®, Microsoft SQL Server, and PostgreSQL—as well as machine learning workloads and popular independent software vendor (ISV) offerings.

Advanced security

Red Hat Enterprise Linux 8 supplies security technologies, controls, certifications, and the ongoing support of the Red Hat Product Security team to help safeguard your organization. Additional features like system-wide cryptographic policies, new compiler flags, advanced auditing, and updated protocols further help to defend your business. Dell EMC OpenManage detects drift from user-defined configuration templates, alerts users, and remediates misconfigurations based on preset policies. Dell EMC PowerEdge servers also include a deep layer of defense built into the hardware and firmware of every server.

Innovative container technologies

Red Hat Enterprise Linux 8 provides advanced, innovative container infrastructure and tools to simplify container development and deployment. It supplies a lightweight, open standards-based container toolkit with everything you need to get started. Red Hat Universal Base Images (UBIs) let you take advantage of the reliability, security, and performance of official Red Hat container images, even if you are not a Red Hat customer. You can also run Red Hat Enterprise Linux containers within Red Hat OpenShift®—an enterprise-grade, Kubernetes-based container application platform—on a proven, tested Dell EMC architecture.

DevOps support

Red Hat Enterprise Linux 8 contains unified tools to help your team adopt DevOps methods, without requiring command-line experience. An improved management console features a web-based, mobile-friendly graphical user interface (GUI) that simplifies operations and eases adoption for new Linux users. Plus, Dell EMC OpenManage uses an Infrastructure-as-Code (IaC) approach and integrates with prebuilt Red Hat Ansible® Automation Platform modules to manage deployment within your DevOps environment.

Learn more

Digital business requires an intelligent, adaptable foundation. Dell EMC and Red Hat provide the hardware, operating platform, and tools you need to drive your business forward.

Learn more about Red Hat Enterprise Linux 8 at redhat.com/en/technologies/linux-platforms/enterprise-linux.