BUILD A MODERN INFRASTRUCTURE WITH RED HAT ENTERPRISE LINUX AND AWS

BRIEF

"Innovation is when you take an idea, you cultivate it, and you make the world a better place."

DARREN DICKSON,
PRESIDENT, GENFARE

Read about Genfare's transformation from hardware-centric infrastructure to a flexible, cloud-based environment at **redhat.com/en/success-stories/genfare**.

I.T. IS A CRITICAL BUSINESS ASSET

In a digital world, business success depends on effective, flexible IT infrastructure. However, traditional infrastructure and operations can limit application performance and business agility. Legacy operating systems can also introduce inconsistencies between on-site and cloud deployments, making it difficult to achieve security and compliance requirements. As a result, many organizations are shifting from traditional infrastructure to hybrid, cloud-based environments.

Together, Red Hat and Amazon Web Services (AWS) offer hybrid environment solutions that help you transform your infrastructure and operations for a digital future.

MODERNIZE WITH RED HAT AND AWS

Combining Red Hat® Enterprise Linux® with AWS gives you a powerful, adaptable platform for innovation and digital business operations. **Red Hat Enterprise Linux** provides an intelligent, stable, and security-focused foundation for modern, agile business operations. Consistency across infrastructure allows you to deploy applications, workloads, and services using the same tools, both on-site or in a cloud environment.

Through a globally distributed network of datacenters, AWS delivers cloud-based, security-focused, resizable compute capacity for workloads and applications. With AWS, you can deploy and run the same Red Hat products you use on site in a cloud environment. The **AWS Marketplace** lets you purchase Red Hat Enterprise Linux subscriptions—including versions optimized for SAP and Microsoft SQL Server—yearly or for on-demand use. On-demand subscriptions feature hourly billing, allowing you to scale elastically and cost-effectively. You can also easily move your Red Hat subscriptions between on-site and AWS environments through the **Red Hat Cloud Access** program.

GAIN INFRASTRUCTURE FLEXIBILITY AND SCALABILITY

Using a distributed architecture, this solution allows you to deploy applications with more flexibility and agility. A global cloud infrastructure and consistent foundation lets you move workloads across infrastructure according to changing latency, throughput, and data sovereignty requirements.

Red Hat and AWS solutions also let you expand your infrastructure in any direction, at any time. Automation tools streamline the decision process to deterministically scale compute and storage resources based on policies for data storage, protection, and archiving. **AWS Auto Scaling** and **predictive scaling capabilities** simplify resource sizing through traffic forecasts and recommendations for optimizing and balancing performance and costs.

STREAMLINE MANAGEMENT ACROSS ENVIRONMENTS

Red Hat and AWS solutions provide advanced tools to manage and automate all aspects of your infrastructure, from provisioning and scaling to policy enforcement and decommissioning. Complete life-cycle management capabilities automatically apply updates and patches and help to keep your infrastructure running efficiently. Predictive analytics tools identify and remediate threats to security, performance, availability, and stability.

PROTECT YOUR BUSINESS

Red Hat and AWS deliver innovative security features to protect your environment. Red Hat's integrated software stack allows you to implement a continuous security approach to protect your business and infrastructure from operating system to application. AWS policies, architecture, and operational processes are built to the stringent requirements of the most security-sensitive AWS customers. Red Hat and AWS also provide security advisories for current issues and can work with you to resolve security problems when needed.

CUSTOMER SUCCESS: GENFARE

Genfare, a leader in transit payment solutions, needed to transform from hardware-centric operations to a software-focused approach. Using Red Hat and AWS solutions, the company built Genfare Link, a multitenant hosted Software-as-a-Service (SaaS) offering that incorporates Internet of Things (IoT) technology. The new platform not only meets Genfare's current needs, but also provides the flexibility and scalability to meet constantly evolving needs in the future. As a result, Genfare increased service reliability, improved competitive advantage, and gained new revenue opportunities.

LEARN MORE

Digital business requires a flexible, hybrid IT environment. Red Hat and AWS provide modern solutions that help your organization adapt to change and gain a competitive advantage. Learn more at redhat.com/en/partners/amazon-web-services and aws.amazon.com/partners/redhat.

ABOUT DLT SOLUTIONS

DLT Solutions is a wholly owned subsidiary of Tech Data, the world's leading end-to-end distributor of technology products, services, and solutions. DLT is the premier government solutions aggregator that specializes in understanding the IT needs of the federal, state, local, and education markets. We help simplify the process for independent software vendors, federal systems integrators, and value-added resellers doing business in the public sector. Leveraging Tech Data's end-to-end portfolio, an extensive array of public sector contract vehicles, and dedicated channel and enablement services, DLT provides government agencies and channel partners with the means to rapidly and cost effectively transform technology to achieve mission success.

ABOUT AMAZON WEB SERVICES

For almost 13 years, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud platform. AWS offers over 165 fully featured services for compute, storage, databases, networking, analytics, robotics, machine learning and artificial intelligence (AI), Internet of Things (IoT), mobile, security, hybrid, virtual and augmented reality (VR and AR), media, and application development, deployment, and management from 61 Availability Zones (AZs) within 20 geographic regions, spanning the U.S., Australia, Brazil, Canada, China, France, Germany, India, Ireland, Japan, Korea, Singapore, Sweden, and the UK. Millions of customers—including the fastest-growing startups, largest enterprises, and leading government agencies—trust AWS to power their infrastructure, become more agile, and lower costs.

ABOUT RED HAT

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.

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