



Modernize your SAP environment

With Red Hat and AWS

Red Hat software platforms for SAP on Amazon Web Services

- Red Hat Enterprise Linux for SAP Solutions
- Red Hat OpenShift
- Red Hat Ansible Automation Platform
- Red Hat Integration

As organizations that depend on SAP solutions evolve, it becomes necessary to reduce their complexity. Migrating to SAP S/4HANA® provides a simplified hybrid cloud architecture and implements cultural and organizational changes needed for cloud-native software development. As you migrate, you need a quick and efficient way to decouple the core and integrate legacy systems, cloud-native applications, and microservices with the SAP S/4HANA core.

The combination of Red Hat® Enterprise Linux® for SAP Solutions with high availability and update services and Amazon Elastic Compute Cloud (Amazon EC2) gives you the speed, reliability, and flexibility you need for the future. You can reduce complexity and simplify your environment, develop and deliver high-quality customer experiences faster, and expand and scale your infrastructure in any direction.

Run SAP with confidence in a cloud environment and beyond

Standardize for reliability, stability, and security

Red Hat's integrated portfolio on AWS Cloud offers a single, stable foundation for SAP and non-SAP workloads with fully committed extended life cycles, better security, and predictable CapEx and OpEx.

Running SAP applications with Red Hat technologies on AWS allows you to strengthen your security posture, simplify compliance, and automate routine security tasks. Red Hat and AWS regularly achieve third-party validation for thousands of global compliance requirements that are continually monitored to help you meet security and compliance standards for finance, retail, healthcare, government, and beyond.

Gracefully migrate to SAP S/4HANA and cloud

With Red Hat Enterprise Linux for SAP Solutions, whether you're lifting and shifting or migrating to SAP S/4HANA, you can quickly and seamlessly move your SAP workloads into AWS infrastructure. Automation provided by Red Hat Satellite and Red Hat Ansible® Automation Platform helps speed migration, installation, and configuration.

Run more efficiently

You can confidently run your largest and most critical SAP workloads with Red Hat Enterprise Linux on AWS. With over 5,000 active customers running SAP on AWS and the broadest set of SAP solutions certified for AWS, it is a proven cloud environment for SAP operations. AWS was the first cloud service provider that SAP trusted to host their internal systems and SaaS offerings.

Built-in tools and customized profiles for SAP HANA® within Red Hat Enterprise Linux for SAP Solutions allow administrators to more easily optimize SAP HANA workloads. System roles for SAP eliminate error-prone manual tasks through automation and self service. With best practices from Red Hat and SAP, these tools offer a prescriptive and automated way to configure and validate SAP environments.

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Red Hat solutions for SAP impact on IT operations

- 64% reduction in unplanned downtime¹
- 70% reduction in mean time to repair MTTR¹
- 61% more efficient IT infrastructure teams¹
- 24% more efficient IT security¹
- 32% higher developer productivity¹

With AWS, you can more easily set up high-availability and disaster-recovery architectures for SAP applications without the effort or cost of building and operating separate datacenter facilities. You can also use AWS services, like AWS Nitro System and SAP-certified High Memory Instances, to maximize the performance of SAP workloads and scale them on demand. AWS offers an extensive selection of cloud-native virtual instances certified for SAP HANA in production, multiple certified storage options, and the ability to run SAP on bare-metal instances.

Reduce complexity and simplify your environment

Red Hat and AWS solutions provide advanced tools to manage and automate all aspects of your SAP on AWS infrastructure, from provisioning and scaling to policy enforcement and decommissioning. Complete life cycle management capabilities automatically apply updates and patches and help minimize human intervention and run your infrastructure more efficiently and reliably.

Your critical business processes are protected from disruption and SAP system performance is improved with purpose-built infrastructure backed by 10+ years of experience supporting production cloud computing SAP deployments. Predictive analytics tools like Red Hat Insights can identify and remediate threats—some of which are derived from SAP Notes—to performance, stability, availability, and security using 20+ years of Red Hat knowledge and experience working closely with SAP.

Get more value from your data and SAP investments

After migrating to SAP S/4HANA, you can keep the SAP core clean by developing side-by-side extensions as microservices and running them in containers with Red Hat OpenShift®. This helps developers innovate quickly and reduce time to value. You can integrate applications and data across hybrid cloud environments and extend to the outer edges of your enterprise with Red Hat and AWS. Red Hat Integration lets you share data between legacy applications, cloud-native applications, microservices, IoT devices, and applications.

In addition, AWS has a growing portfolio of native services to compliment workloads running on Red Hat solutions. You can integrate the latest cloud services, like AI/ML, data lakes and analytics, IoT, and AR/VR into your existing application environment to deliver more value to your customers.

Why Red Hat and AWS?

Red Hat and AWS deliver a common platform in the datacenter and in the AWS cloud, providing choice and flexibility with a seamless experience in a hybrid cloud environment. With Red Hat and AWS, you benefit from the experience of two companies that are leaders in helping to modernize applications and infrastructure around the world. Red Hat's committed 10-year life cycle and the AWS Partner Network SAP Competency Partners can help you keep pace with technological change and future-proof your SAP investments.

¹ *Business Value of Red Hat Operating Environments for SAP, IDC, May 17, 2021.*



About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with [award-winning](#) support, training, and consulting services.

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