

# Red Hat Consulting: CentOS to RHEL on AWS Migration Assessment

## Duration

1-2 weeks

## Red Hat staffing

- ▶ Project coordinator
- ▶ Red Hat senior architects (2)

## Solution deliverable

Includes a comprehensive report providing tailored, expert guidance on the in-place conversion of AWS compute instances running CentOS Linux to supported Red Hat Enterprise Linux

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As experts in Red Hat® technology, Red Hat Consulting ensures that customers derive optimal value from their technology investments. We prioritize readying our clients to initiate projects efficiently, delivering tangible results promptly. This assessment focuses on imparting a clear understanding of the technology, emphasizing correct initial implementation for streamlined scalability. This tailored offering provides customers with a personalized framework for the effective planning and analysis needed to convert systems running CentOS Linux® on Amazon Web Services (AWS), or systems running on-premise and poised to migrate to the AWS cloud, to a supported version in Red Hat Enterprise Linux (RHEL) via AWS.

## Migrating to Red Hat Enterprise Linux

Updates and releases of CentOS Linux 8 were discontinued as of Dec. 31, 2021, and will be discontinued for CentOS Linux 7 on June 30, 2024. Organizations running that operating system (OS) must migrate to a new OS to continue receiving updates, patches, and new features.

Red Hat Enterprise Linux has a lower total cost of ownership (TCO) over time compared to an unpaid, unsupported OS—and it streamlines the conversion, maintenance, and overall management for IT teams. Red Hat Enterprise Linux offers full life cycle support, a large partner ecosystem, and built-in security features.

Because CentOS Linux was derived from Red Hat Enterprise Linux sources, users migrating to Red Hat Enterprise Linux can continue to use many of the same techniques and elements with minimal training while gaining more features, tools, support, and value.

## Achieving business goals with Red Hat Consulting

This Red Hat Consulting assessment focuses on 3 core areas:

- ▶ *Strategy:* We delve deep into the business objectives behind the migration and modernization of CentOS systems. Red Hat consultants ensure clear timelines and identify the key stakeholders involved. This stage also includes reviewing and tailoring system requirements and addressing standard operating environment (SOE) needs.
- ▶ *Workloads and applications:* Through dedicated workshops with application and platform teams, we gain insights into existing workloads, dependencies, team structures, and operational processes. This helps in effectively mapping OS dependencies for the applications on their current platforms.
- ▶ *Platform and infrastructure:* Our team understands the intricacies of platforms integrated with the OSs, including their architectures, cloud interfaces, service level agreements (SLAs), and customizations. We also factor in integrations like monitoring, backup, metrics, logging, repositories, authentication, and other IT service management (ITSM) processes.

At the conclusion of the migration assessment, customers will come away with the essential tools and methodologies to confidently plan and execute the in-place upgrade for systems with critical workloads on a robust, high-performance platform within the hybrid cloud.

## The Red Hat Services difference

Red Hat Services consist of Red Hat Consulting, Red Hat Training and Certification, and Red Hat Technical Account Management and provide customers with comprehensive support and guidance for optimizing enterprise IT infrastructure.

**Mentor-based approach:** Red Hat Consulting brings unparalleled expertise and gives clients the information and skills they need to move to Red Hat solutions safely and efficiently. Red Hat believes knowledge must be open and shared, just like source code.

**Real-world training:** Red Hat Training and Certification develops role-based, hands-on knowledge in emerging and foundational open source technologies. With a comprehensive curriculum, organizations can build the skills for long-term success with their infrastructure investments.




*One-on-one specialized support:* Red Hat Technical Account Management partners work with customers to preempt potential problems before they occur, minimizing disruption and letting them focus on key business challenges.

Ready to get started? Try a live lab or [request a complimentary discovery session](#) with Red Hat Consulting.



### 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 develop cloud-native applications, integrate existing and new IT applications, and automate and manage complex environments. [A trusted adviser to the Fortune 500](#), Red Hat provides [award-winning](#) support, training, and consulting services that bring the benefits of open innovation to any industry. Red Hat is a connective hub in a global network of enterprises, partners, and communities, helping organizations grow, transform, and prepare for the digital future.

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