

Red Hat Enterprise Linux 8: Migrate to 8

In November 2020, critical security and urgent bug fixes that have been provided for Red Hat Enterprise Linux 5 during Extended Lifecycle Support will cease. IBM and Red Hat have jointly introduced a set of upgrade services to help clients migrate to Red Hat Enterprise Linux 8.

As the [world's leading enterprise Linux platform](#), Red Hat® Enterprise Linux® is widely trusted across industries and by customers around the world to provide a modern foundation that can support any application, any environment, anywhere.

[According to IDC research](#), IT organizations using Red Hat Enterprise Linux were expected to **have saved US\$6.7 billion in 2019 alone**. IT executives responding to IDC's global survey found that Red Hat Enterprise Linux provided business benefits for most workloads—an increase in revenues, a decrease in expenses, or an increase in employee productivity.

Namely:

- Reducing the annual cost of software by 52%.
- Reducing the amount of time IT staff spend on tasks by 25%.
- Reducing costs associated with unplanned downtime by 5%.¹

As one of the most widely deployed Linux platforms within enterprises, many IT organizations run legacy versions of Red Hat Enterprise Linux, including Red Hat Enterprise Linux versions 5 and 6. As of November 2020:

- Red Hat Enterprise Linux 5 will **no longer have Extended Lifecycle Support** (ELS).
- Red Hat Enterprise Linux 6 will enter product retirement and require ELS.

This means that bug fixes, security fixes, hardware enablement, or root-cause analysis that has been provided for Red Hat Enterprise Linux 5 under ELS will cease, potentially putting business-critical workloads at risk. Recognizing the importance of maintaining systems to avoid security, operational, and compliance issues, IBM and Red Hat have jointly introduced a set of services, provided by a qualified team of subject matter experts, to help you efficiently migrate to Red Hat Enterprise Linux 7 and 8.

¹ IDC Whitepaper, sponsored by Red Hat. "The Economic Impact of Red Hat Enterprise Linux: Trillions, Yes Trillions, of Dollars." May 2019

IBM and Red Hat offer an easy to understand and comprehensive set of upgrade services for clients running older versions of Red Hat Enterprise Linux. Backed by 30+ years of migration experience, the best tools, and an end-to-end methodology, IBM Services and Red Hat Services enable clients to continue to benefit from the Red Hat Enterprise Linux platform with modern features and security.

Hybrid cloud deployment

Red Hat Enterprise Linux 8 provides an intelligent, stable, and security-focused foundation for modern, agile business operations across multiple environments. Consistency across infrastructure allows you to deploy applications, workloads, and services using the same tools, regardless of location. As a result, your business can deploy and operate a hybrid cloud environment faster and with less effort.

8 reasons to migrate to Red Hat Enterprise Linux 8

1. **An intelligent operating system** with built-in manageability and integration with Red Hat management and automation products.
2. **A set of features to speed deployment** and simplify adoption for non-Linux users.
3. **Support for enterprise applications** and critical databases, including SAP HANA®, Microsoft SQL Server, and PostgreSQL.
4. **Advanced security features** such as system-wide cryptographic policies, new compiler flags, advanced auditing, and updated protocols.
5. **Consistency across environments**, whether bare metal, virtualized, hybrid cloud, or multicloud, knowing they will operate reliably.
6. **Innovative container infrastructure and tools** to simplify container development and deployment, including a lightweight, open, standards-based container toolkit to get started.
7. **Introduction of Application Streams**, an improved method for delivering multiple versions of user space packages.
8. **Unified tools to adopt DevOps methods**, with an improved web-based, mobile-friendly GUI management console.

Together, a Red Hat and IBM team of subject matter experts will perform Migrate to 8 services using a 3-phased approach:

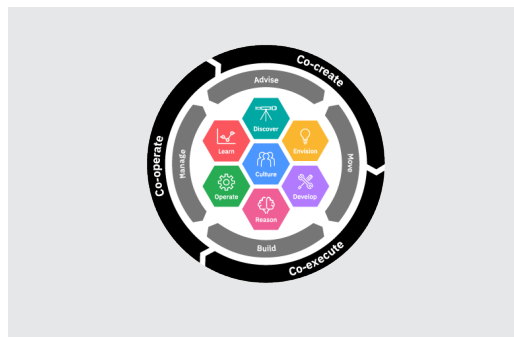
Phase 1: Precursory assessment	Phase 2: Pilot upgrade	Phase 3: Version upgrade
<p>We work with you to understand and document your landscape, determine software compatibility, upgrade approaches, and document an update strategy.</p>	<p>We use discovery techniques and data to design and build a target environment, plan upgrade execution, and pilot the upgrades of a subset of your Red Hat Enterprise Linux-based estate.</p>	<p>Red Hat and IBM will follow a globally standardized delivery methodology covering the entire life cycle of a migration and upgrade program.</p>

Migrate to 8 services jointly offered by Red Hat and IBM

- Discovery of the as-is Red Hat Enterprise Linux estate.
- Assessment of open source and commercial software compatibility with preferred target Red Hat Enterprise Linux platforms.
- Design of the target platform and related infrastructure.
- Migration design of workloads running on Red Hat platforms.
- Redeployment/reinstallation of application workloads.
- In-place upgrades, where applicable.
- Building and testing of target Red Hat systems.
- Workload remediation and data migration.
- Upgrade event management.
- Comprehensive project and program management.

Innovate while you migrate using agile methodologies

To accelerate the desired outcome of your Red Hat Enterprise Linux upgrade, businesses have unique access to either IBM Garage or Red Hat Innovation Labs.



IBM Garage drives Enterprise Design Thinking at scale. Based on agile principles for colocated and distributed teams, the IBM Garage Methodology leverages DevOps tools and techniques for continued delivery and operations, fosters digital talent and culture change, and enables Site Reliability Engineering.



Red Hat Open Innovation Labs is an immersive residency for modernizing application development. IT teams innovate faster and improve quality with a DevOps approach. In an Open Innovation Lab, make large-scale changes iteratively, instead of all at once—adjusting direction as you go.

A complete set of joint services to accelerate your Red Hat Enterprise Linux migration

IBM expertise in legacy portfolio migration across all industries

Interlocked with deep Red Hat Enterprise Linux product expertise from Red Hat Services

An end-to-end delivery model backed by local and global resources

Augmented with Red Hat Training to help your team prepare for using Red Hat Enterprise Linux 8 in production

Training and certification: The next step in migrating to 8

Red Hat Enterprise Linux 8 readiness goes beyond installation and configuration. Red Hat Training and Certification offers a [full curriculum](#) to help your teams build and validate their Red Hat Enterprise Linux 8 skills and related technologies.

[According to an IDC study](#), effective hands-on training directly impacts the overall success of IT departments relying on Red Hat infrastructure. Teams who complete Red Hat Training:

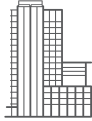
- Are 20% more efficient IT administrators.
- Experience 71% less unplanned downtime.
- Develop new features 12% faster.²

[Start with an assessment](#) to test your (or your team's) skills and identify courses that help fill any gaps. Skills are validated through performance-based, hands-on certification exams.

Key benefits of migrating to 8 with Red Hat and IBM

- **IBM expertise in legacy portfolio migration** (applications, infrastructure, managed services) across all industries, interlocked with deep **Red Hat Enterprise Linux product expertise** from Red Hat Services.
- **Rapid assessment of the as-is environment** to determine the best approach to upgrading.
- **Modular services** for the upgrade journey.
- An **end-to-end delivery model** backed by local and global resources.
- Leading **IBM and third-party technology accelerators**, integrated with Red Hat best practices and tooling.
- **Migrated Red Hat Enterprise Linux platforms**, to run mission-critical workloads that act as a foundation for future Red Hat automation and containerization environments.
- Comprehensive, hands-on **Red Hat Training and Certification** to help your teams prepare for using Red Hat Enterprise Linux 7 and 8 in production.

² IDC Whitepaper, sponsored by Red Hat. "The Business Value of Red Hat Training Courses." October 2018.



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.

North America

1 888 REDHAT1
www.redhat.com

Europe, Middle East, and Africa

00800 7334 2835
europa@redhat.com

Asia Pacific

+65 6490 4200
apac@redhat.com

Latin America

+54 11 4329 7300
info-latam@redhat.com

Red Hat Services brings you:

- Unfettered access to Red Hat support and product development organizations to streamline systems and upgrades.
- Diverse technical experience and product expertise with both open source and proprietary systems for a holistic, integrated approach.
- Mentor-based engagements, giving clients the information and skills needed to adopt Red Hat solutions safely and efficiently.

IBM Services brings you:

- Global scale with 90,000 cloud experts to advise, move, build, and manage clients' workloads.
- Expertise in legacy portfolio migration (applications, infrastructure, managed services) across all industries.
- New services and tools that help clients migrate workloads across private, public, and multicloud environments using predefined client demand profiles and capability patterns.



facebook.com/redhatinc
@Redhat

linkedin.com/company/red-hat