



Red Hat® Enterprise Linux® 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 (RHEL) 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 \$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%

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 Extended Lifecycle Support will cease, potentially putting business critical workloads at risk. Recognizing the critical 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.

Version	General Availability	End of Full Support	End of Maintenance Support	Product Retirement	End of Extended Life-cycle Support
5	15 Mar 2007	8 Jan 2013	31 Jan 2014	31 Mar 2017	30 Nov 2020
6	10 Nov 2010	10 May 2016	10 May 2017	30 Nov 2020	30 June 2024

Future proofing for Hybrid Cloud

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 an enterprise-wide hybrid cloud environment faster and with less effort.

Eight 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



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, best of breed 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.

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

Phase 1: Precursory Assessment

We work with you to understand and document your landscape, determine software compatibility, upgrade approaches and document an update Strategy

Phase 2: Pilot Upgrade

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

Phase 3: Version Upgrade

IBM and Red Hat will follow a globally standardized delivery methodology covering the entire lifecycle of a migration and upgrade program.

Migrate to 8 services jointly offered by IBM and Red Hat

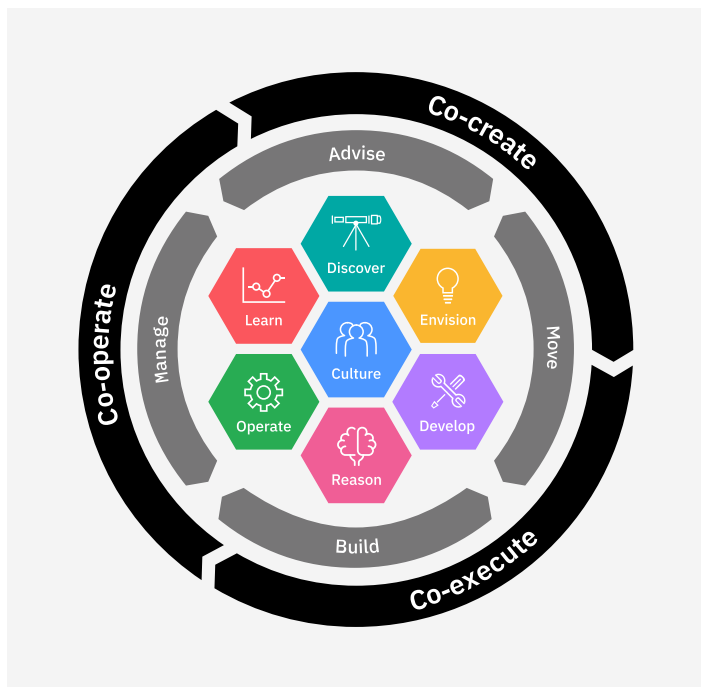
- Discovery of the as-is Red Hat Enterprise Linux estate
- Assessment of Open Source and commercial software compatibility with preferred target Red Hat Enterprise Linux platforms
- Design of the target platform and related infrastructure
- Migration design of workloads running on Red Hat platforms
-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



“Red Hat Enterprise Linux Migrate to 8 leverages best practices from IBM’s Garage Methodology and Red Hat’s Open Innovation Labs to help migrate Red Hat Enterprise Linux platforms ... allowing you to run mission critical workloads and provide a foundation for Red Hat Automation and Containerization.”

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. You choose what works best for you.



IBM Garage drives Enterprise Design Thinking at scale. Based on agile principles for collocated 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.

Accelerate your migration with the best of both worlds

The IBM LinuxONE Partner Network Program provides end-to-end support right from application porting and development to improving your LinuxONE competency and delivering an effective go-to-market (GTM) engagement. The program enables you to build and enhance your applications and grow your business successfully through a wide range of partner benefits and a whole gamut of resources.

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

[Start with an assessment](#) to test you 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 IBM and Red Hat:

- **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 which 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

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

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 multiclouds using predefined client demand profiles and capability patterns

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