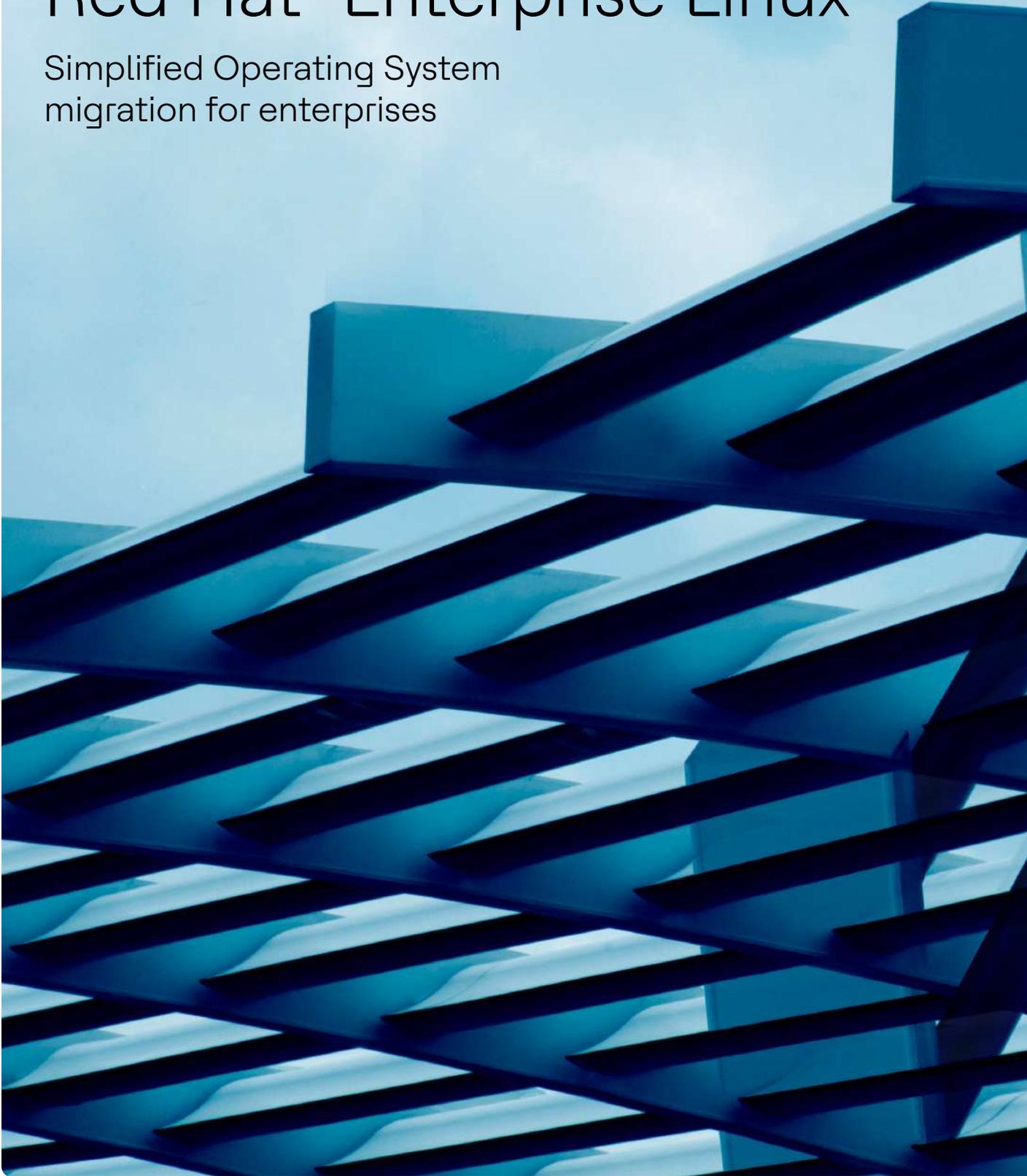**HCLTech** | **Red Hat**

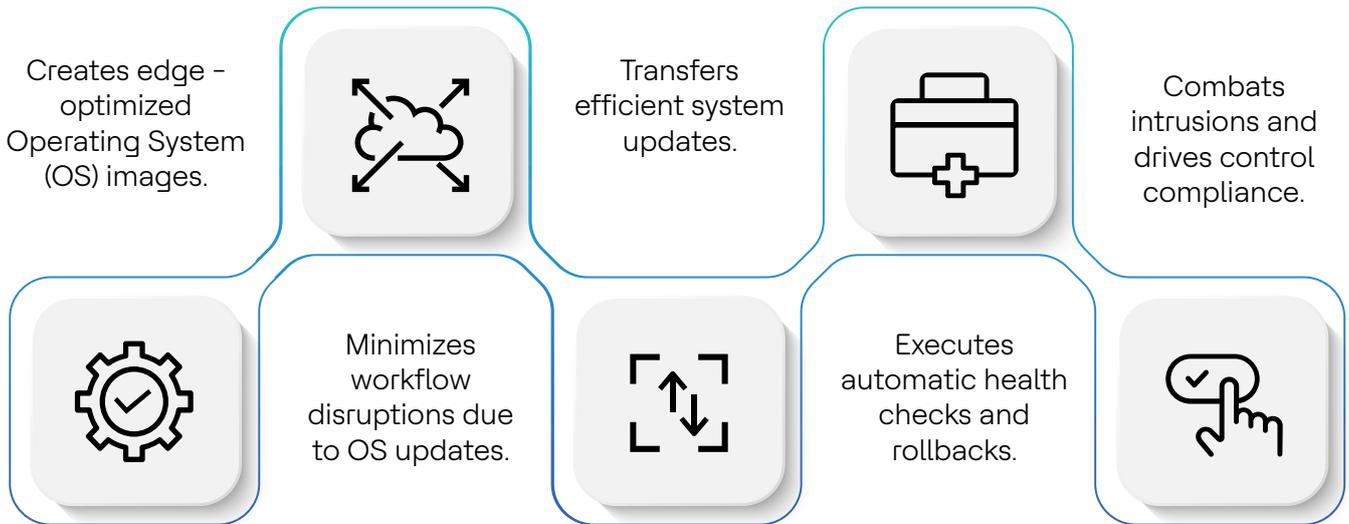# HCLTech MigrateNXT for Red Hat® Enterprise Linux®

Simplified Operating System migration for enterprises

Red Hat Enterprise Linux (RHEL)

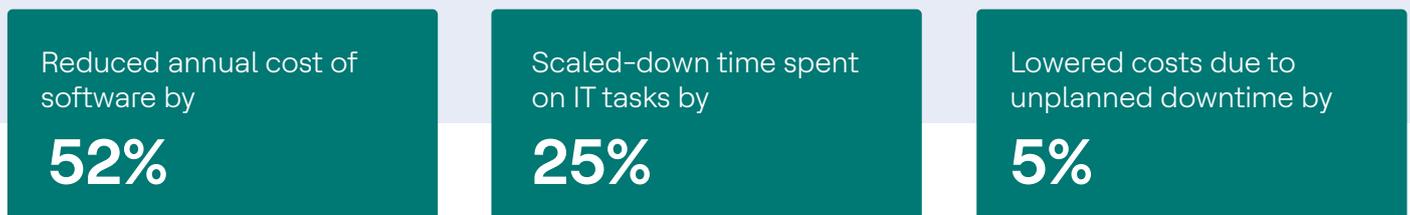is the most widely deployed Linux platform across industries and within enterprises around the world.

Migration to RHEL Operating System (OS) extends the hybrid cloud_infrastructure as it:

Creates edge – optimized Operating System (OS) images.

Transfers efficient system updates.

Combats intrusions and drives control compliance.

Minimizes workflow disruptions due to OS updates.

Executes automatic health checks and rollbacks.

RHEL Upgradation: Why it is crucial

While organizations across the globe undertake innovative digital transformation initiatives, many continue to run and maintain their legacy Linux OS. Running outdated OS exposes organizations to various challenges in terms of security, cost and efficiency and does not allow them to realize the desired value from their digital implementations.

Organizations using the most updated RHEL report significant business benefits across most of their workloads:

Reduced annual cost of software by	Scaled-down time spent on IT tasks by	Lowered costs due to unplanned downtime by
52%	**25%**	**5%**

Source: IDC Global Survey

Challenges

Maintaining an as-is business while planning for future implementations is an organization's main challenge.

Legacy OS imposes multiple challenges, such as:

Security:
No longer actively patched or verified for security compliance, thereby exposing vulnerabilities

Skills:
Complicated system upgradation projects require highly skilled resources and advanced digital tools, resulting in extra cost, time and effort

Enhancements and compliance:
Unable to support new and emerging technologies

Cost of maintenance:
Generates instability in associated software performance and increases maintenance costs.

Productivity:
Productivity is hampered by poor and unreliable server performance, resulting in frequent disruptions

Factors impacting the OS upgradation, such as:

Application compatibility:
Existing, day-to-day applications may not be compatible with new, upgraded OS.

Data loss:
An enterprise-wide migration always runs the risk of data loss unless planned.

Performance:
Version mismatch and configuration errors can affect the efficiency of system applications

Legacy versions of Red Hat Enterprise Linux, like RHEL versions 6 and 7 and CentOS Linux, are approaching the end of their lifecycles and will be obsolete soon.

- RHEL 6 has entered Extended Lifecycle Support (ELS) and will end by June 2024
- Maintenance support 2 for RHEL 7 is ending in June 2024.
- CentOS Linux 7.x will reach the end of life in June 2024.

All this can pose potential risks as stated above for business-critical workloads.

HCLTech MigrateNXT: Our offering to simplify RHEL migration and system transformation journey

HCLTech MigrateNXT enables enterprises to seamlessly migrate to RHEL 8/9, from existing RHEL OS or other OS like CentOS Linux or Oracle Linux without disrupting the as-is business workflow.

01
An end-to-end migration framework for upgrading your legacy RHEL OS to the most recent version.
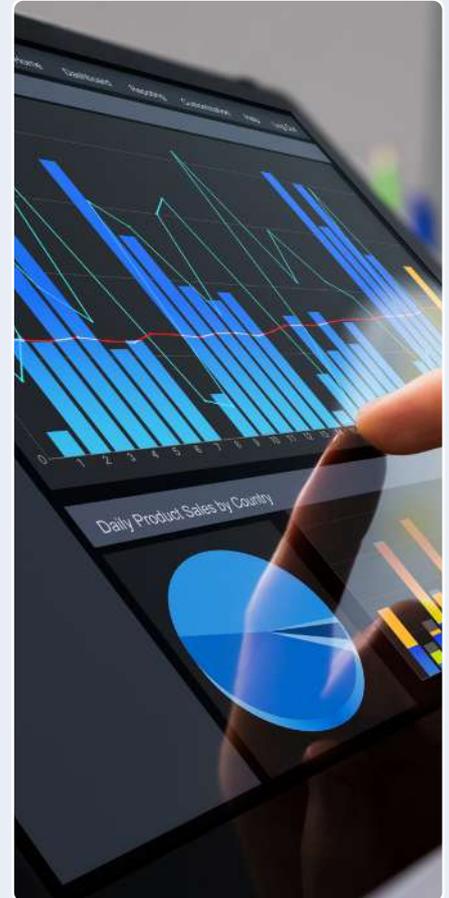
02
Ensures mitigation of all known risks and continued adherence to Service Level Agreements (SLAs).

03
Simplifies all complexities arising from dependencies, compatibility issues and skill requirements.

04
Ensures zero disruption to the business value chain.

HCLTech MigrateNXT is deployed through three key modules:

Discovery and Planning	Building and Migration	Post Checks and Signoffs
Infrastructure	Strategic migration planning	Functional/Performance testing
Analysis application	Event planning	Runbook update and handover
Readiness and risk analysis	Migration implementation	Knowledge transfer and project signoff

HCLTech MigrateNXT: Key differentiators

Expertise in Legacy Portfolio Migration

- Rapid assessment parameters to determine the best approach to OS upgradation.

Excellence

- Mature industrialized methodologies for OS migration, consolidation, virtualization and other functions
- Standardized shared service operation model.
- Transformation and optimization using HCLTech Gold standard best practices.

Skilled Resources

- Large pool of Linux / Unix resources
- Technology experts, SMEs and architects

Scale of Operations

- A wide deployment of Linux/Unix servers
- Latest Linux/Unix versions supported.
- Different hardware models supported.
- All major High Availability (HA) products supported.

Cloud Native Labs

- Experienced consulting architects to guide the migration/upgradation of RHEL OS
- Hands-on development professionals to monitor and expedite the pace of the project.

IPs and Framework

- HCLTech's IPs help accelerate application modernization.
- Patented assessment framework to evaluate the extent of required upgradation.
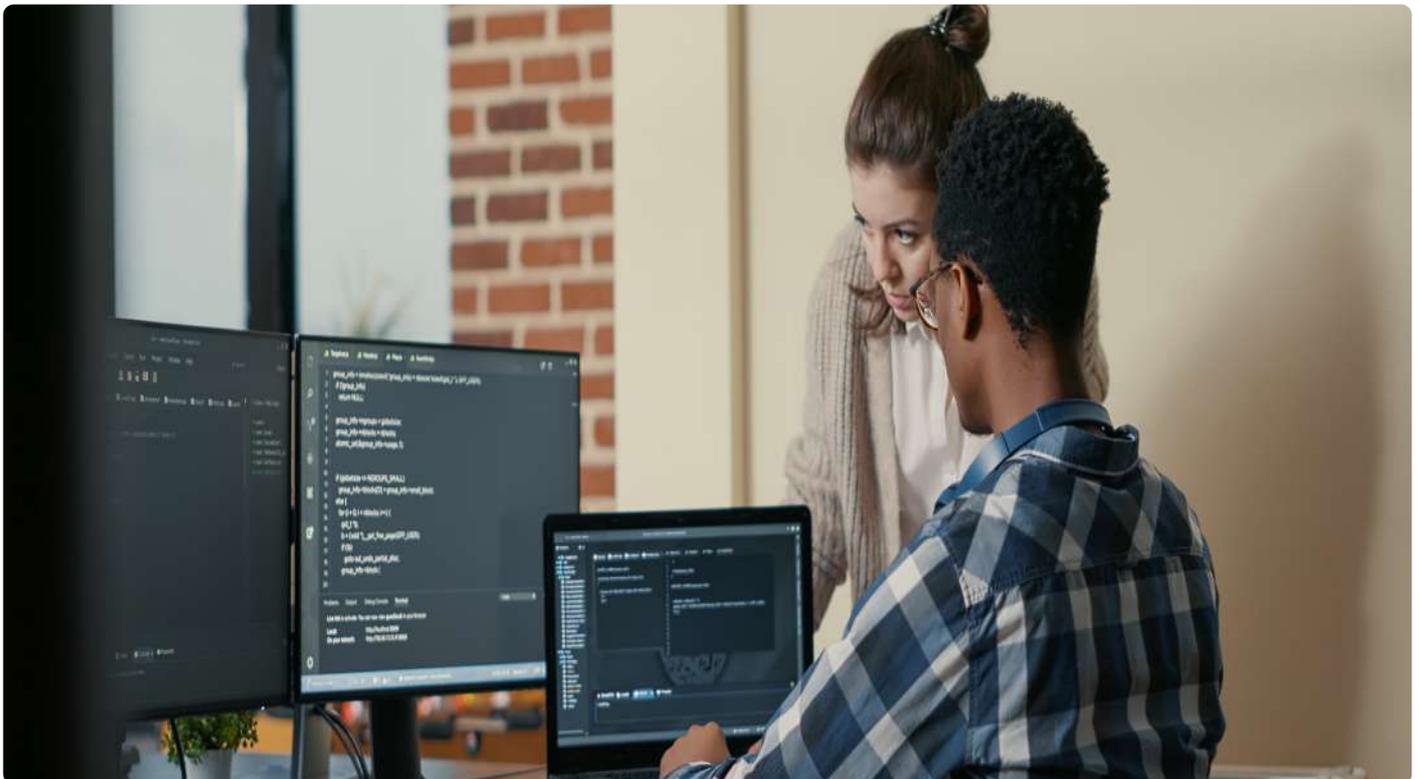
Large pool of customers served

- Availing Linux OS supported globally, including 35+ Fortune 500/Global 1000 organizations.

The HCLTech, IBM and Red Hat partnership to drive global enablement

HCLTech is an ecosystem partner for IBM and Red Hat, an Advanced Business Partner for Red Hat and a Platinum partner for IBM with a relationship spanning over a decade. As of today, HCLTech has 20,000+ IBM and Red Hat technology-trained subject matter experts to guide you across applications, infrastructure, data transformation and engineering services. We are partners in co-innovation with an OEM relationship focused on multi-cloud technology product engineering.

MigrateNXT brings the combined power of HCLTech's delivery expertise and Red Hat's technical vision to your enterprise.

HCLTech, an Advanced Business Partner of Red Hat, has vast experience delivering digital transformation services to large enterprises globally. Please write to us at contact.hyc@hcl.com to get started on your modernization journey.

HCLTech | Supercharging Progress™

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HCLTech is a global technology company, home to more than 223,400 people across 60 countries, delivering industry-leading capabilities centered around digital, engineering, cloud and AI, powered by a broad portfolio of technology services and products. We work with clients across all major verticals, providing industry solutions for Financial Services, Manufacturing, Life Sciences and Healthcare, Technology and Services, Telecom and Media, Retail and CPG and Public Services. Consolidated revenues as of 12 months ending June 2023 totaled $12.8 billion. To learn how we can supercharge progress for you, visit hcltech.com.