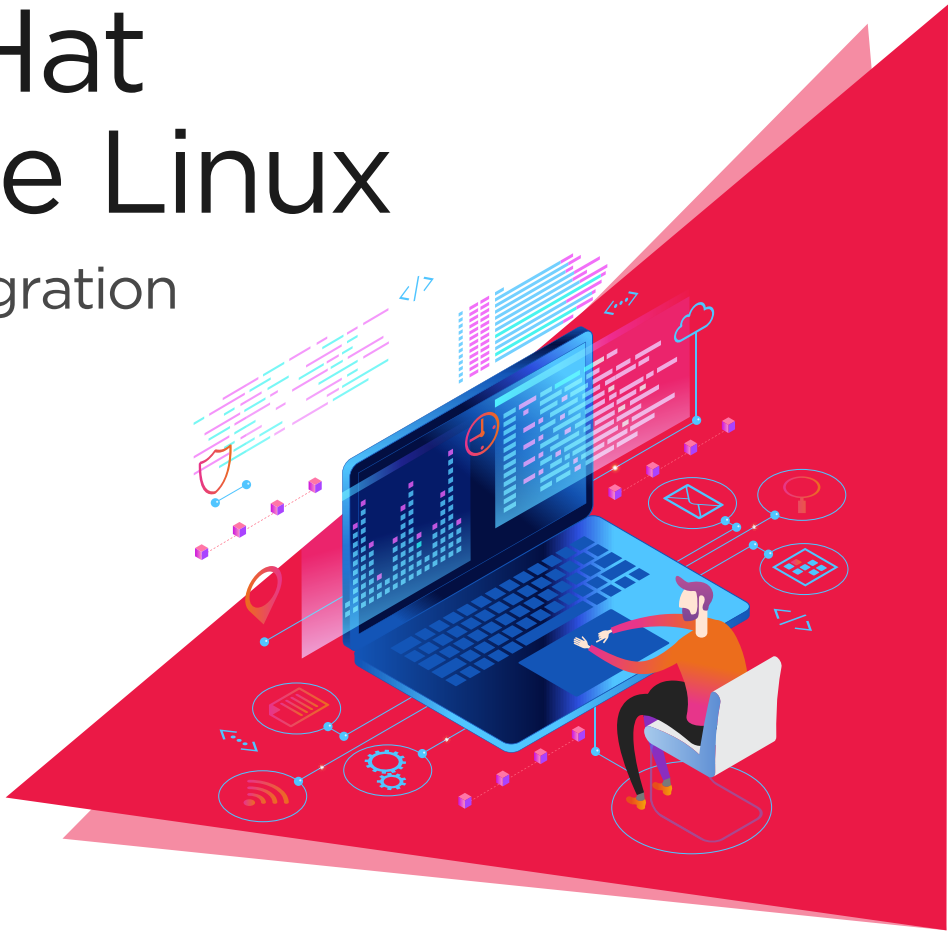
HCL Migr8NXT for Red Hat Enterprise Linux

Enterprise OS Migration simplified



Why upgrading your Red Hat Enterprise Linux (RHEL) OS is crucial?

While organizations across the globe take on expensive and innovative digital transformation initiatives, many continue to run and maintain their legacy RHEL OS. Running outdated OS exposes organizations to a host of challenges in terms of security, cost, and efficiency, and does not allow them to realize the desired value from their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 latest version of RHEL reported significant business benefits across most of their workloads:

Reduced annual cost of software by 52%

Scaled down time spent for IT tasks by 25%

Lowered costs due to unplanned downtime by 5%

Source: IDC Global Survey

RHEL 8: An intelligent foundation for your business

RHEL is the most widely deployed Linux platform across industries and within enterprises around the world. It provides a consistent foundation across environments and the tools needed to deliver services and workloads faster for any application.

Key Features:

- RHEL 8 offers built-in manageability and integration with Red Hat management and automation products.
- It is a trusted, optimized platform for enterprise applications and critical databases, including SAP® HANA®, Microsoft SQL Server, and PostgreSQL, as well as machine learning workloads and popular independent software vendor (ISV) offerings.
- It extends your hybrid cloud infrastructure to the edge—across hundreds of thousands of nodes all over the world.

Challenges to maintaining as-is business while planning for future disruptions

Legacy OS challenges:	Enterprise-Wide OS upgradation challenges:
Security: No longer actively patched or verified for security compliance, thereby exposing vulnerabilities	**Application compatibility:** Existing, day-to-day applications may not be compatible with new, upgraded OS
Skills: Complicated system upgradation projects require highly skilled resources & advanced digital tools, resulting in extra cost, time & effort	**Data loss:** An enterprise-wide migration always runs the risk of data loss unless planned
Enhancements & compliance: Unable to support new & emerging technologies	**Performance:** Version mismatch & configuration errors can affect efficiency of system applications
Cost of maintenance: Generates instability in associated software performance and increases maintenance costs	**End of Lifecycle:** Legacy RHEL versions such as 5/6, are approaching the end of their lifecycles & will be obsolete soon
Productivity: Productivity hampered by poor & unreliable server performance, resulting in frequent disruptions	

- **RHEL 5 no longer has Extended Lifecycle Support (ELS)**
- **RHEL 6 is entering product retirement and requires ELS**

All this can pose a potential risk for business-critical workloads.

HCL Migr8NXT: Simplify Your RHEL Migration & System Modernization Journey

Migr8NXT is HCL's novel proposition to help enterprises seamlessly migrate to RHEL 7/8, without disrupting the as-is business workflow.

Maintain As-Is Business Flow while Mitigating Future Risks with Migr8nxt

- End-to-end migration framework for upgrading your legacy RHEL OS to the most recent version
- Ensures mitigation of all known risks & continued adherence to Service Level Agreements (SLAs)
- Simplifies all complexities arising from dependencies, compatibility issues & skill requirements
- Ensures zero disruption to business value chain

Migr8NXT is deployed across three key modules:

Discovery & Assessment

- Infrastructure Analysis
- Application Analysis
- Readiness and Risk Analysis

Planning & Building

- Strategic Migration Planning
- Migration Tools and Framework
- Migration Implementation

Migration & Signoffs

- Functional/Performance Testing
- Runbook Update and Handover
- Knowledge Transfer & Project Signoff

HCL Migr8NXT: Key Differentiators

1. Expertise in Legacy Portfolio Migration

50+ rapid assessment of the as-is environment done to determine the best approach to OS upgradation

2. Excellence

- Mature Industrialized Methodologies for OS migration, consolidation, other functions
- Standardized Shared Service Operation Model
- Transformation & Optimization using HCL Gold Standard Best Practices

3. Skilled Resources

- 3000+ Linux / Unix resources
- Large pool of technology experts, SMEs and architects

4. Scale of Operations

- 400000+ Linux/Unix Servers
- 25+ Linux/Unix Versions supported
- 90+ different Hardware Models supported
- All major High Availability (HA) products supported

5. Cloud Native Labs

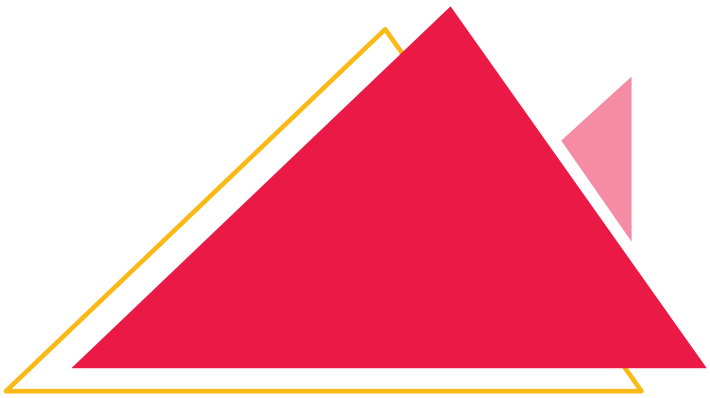
- Experienced consulting architects to guide the migration/upgradation of RHEL OS
- Hands-on development professionals to monitor & expedite the pace of the project

6. IPs & Framework

- HCL IPs accelerate application modernization
- Patented Assessment framework to evaluate the extent of upgradation required

7. 180+ Customers

Availing Linux OS supported across the globe, including 25+ Fortune 500/Global 1000 organizations



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