HPE Services

Brochure

Accelerate your applications and workloads modernization journey

HPE Application Modernization Services — UNIX to Linux migration

Hewlett Packard Enterprise

The move to a low-cost, high-agility hybrid cloud platform

The mission-critical server market has changed over the last several years, and the proprietary workhorses of HP-UX, AIX, and Solaris are near their end-of-life support. The legacy RISC-based architectures have now been overtaken by cheaper, more open, and more agile Linux® system architectures running on hybrid cloud platforms.

As businesses increasingly demand the benefits of mobile, hybrid cloud, and software-designed data centers, your IT strategy cannot afford to be constrained by expensive proprietary architectures that cannot easily integrate with the new technologies and hybrid cloud offerings. Now is the time to take a look at how your data center server strategy can benefit by moving to a hybrid cloud compute strategy designed for the next step in the modernization journey.

HP-UX, AIX, and Solaris to Linux hybrid cloud migration service can help organizations accelerate their applications and workloads modernization from aged platforms to hybrid cloud. Hewlett Packard Enterprise offers proven strategy, methodology, and process as well as HPE intellectual capital, automated tools, and technologies to achieve desired outcomes. The key benefits are:

- Over 60% reduction in hardware acquisition cost[1]
- Over 50% reduction in hardware support[2]
- Over 50% reduction in software license costs[3]
- Over 90% reduction in power consumption[4]
- Over 50% TCO improvements[5]

[1, 2, 3, 4, 5] This is based on the HPE experience in providing similar solutions to the customers.

Key reasons to make a move

Operating costs: The hardware, operating system, database, and third-party application costs associated with aged HP-UX, AIX, and Solaris platforms are high, and they continue to increase.

Remove risk: Related to aging infrastructure and lack of legacy or specialist skills.

Improve agility: Faster deployments, more efficient software development, faster time to market.

Enhance productivity: Get access to the latest versions of commercial-off-the-shelf (COTS) apps and a wider range to productivity tools.

Inflexibility: HPE standards-based hybrid servers including HPE GreenLake software as a service (SaaS) and platform as a service (PaaS) enable you to scale cost-effectively and leverage better application development capabilities.

The digital transformation: Accelerate your journey of migrating application workloads from aged end-of-support HP-UX, AIX, and Solaris servers to hybrid cloud.

Rely on HPE's expertise and experience at every step

As legacy and aged HP-UX, AIX, and Solaris environments support mainly business-critical applications, you can rely on HPE migration experts — with over two decades of experience — to help ensure business continuity throughout the migration process. We've designed the UNIX® to Linux (U2L) methodology, combining proven processes and tools. The methodology offers three key services: Migration business case service (BCS), migration design and plan (DAP), and migrate and transform service (MTS). These services make up the U2L migration services offering that span the entire end-to-end modernization journey.

- **Migration BCS:** If you're considering a modernization of your current HP-UX, AIX, and Solaris servers to the hybrid cloud environment, the first step is to understand the business case and migration feasibility of such a project — which the BCS is designed to address. The BCS focuses on fast, low-risk migration strategies such as rehosting, replatforming, containerization, and helping to accelerate your application workload migration from UNIX to Linux to hybrid cloud.

  The service is a three- to five-weeks consulting engagement. It helps build the business case for a full migration, including a four-year TCO/ROI economic analysis, technical feasibility, and timeline feasibility. Other deliverables include a high-level target design concept, a source-to-target migration mapping, a high-level project plan, and a schedule showing major phases, activities, and milestones, as well as information on risks and impacts.

- **Migration DAP:** The DAP service is the final step before embarking on migration implementation. It is designed to cover all aspects of the due-diligence process to help mitigate migration risks and provide the best possible start for a successful migration implementation project. Though a DAP follows a BCS engagement, it can be a stand-alone engagement for those who already have clarity on the need for a UNIX to Linux, hybrid cloud migration as well as a high-level scope establishing that a single-project migration is feasible.

  This is an eight- to twelve-weeks consulting engagement. It identifies the factors that can cause project delays or cost overruns. The factors include complex technical issues, scope, resource constraints, and unclear roles and responsibilities. After performing all the in-depth analysis and due diligence required to enable smooth migration implementation, a fixed-price migration implementation proposal is developed.

- **MTS:** The MTS service offers the actual migration from UNIX to Linux leveraging our experienced migration factory. On average, it could take about 10 to 12 months for this phase of the project.

  The HPE migration implementation process covers all aspects of the migrations — including online and batch architecture, application and data migration, security, printing, management, and hybrid cloud infrastructure. It is designed to enable a low-risk migration with very little impact on day-to-day business operations.

  Our migration approach is built on the strength of our transformation tools combined with that of third-party products that support our meticulous methodology paths. These resources enable our migration teams to have a real-time view of the actual status of objects being migrated during the transformation project and offer you solutions aptly tailored for your environment.

These U2L migration services enable complete or phased migration to various hybrid cloud platforms including HPE GreenLake SaaS and PaaS models.

Rehosting and containerization involve automating, as much as possible, the migration of code and data, making just enough changes to the code to enable it to work in the target environment. This low-risk approach (as a step forward in the modernization journey) is low risk, faster, and less expensive than other approaches such as reengineering.

The right partner can make all the difference

HPE brings over 20 years of experience in helping organizations successfully replace aged and end-of-life platforms with modern hybrid cloud and server platforms. These platforms match various customer reliability, availability, and scalability (RAS) requirements and price points. Our customers have seen compelling ROI because of key factors such as:

- The HPE application code analysis approach, expertise, and tooling form part of the comprehensive total environment analysis performed during the migration design and planning service:
  - Reduces migration cost
  - Reduces resource needs during testing
  - De-risks the migration project
  - Helps ensure a predictable result
- The right migration approach and target environment selection can ensure that the migration meets your:
  - **Workload needs** — RAS, performance, SLAs, scale-up, scale-out, and agility
  - **Cost model and location needs** — On-premises, off-premises, and hybrid cloud including HPE GreenLake SaaS and PaaS models
  - **Risk level needs** — Mission-critical, impact on users, business continuity during and after migration
- **More value for less:** Equivalent or higher RAS for core systems, new services and new site deployments at lower costs and faster time to market, enabled by hybrid cloud tooling and agile DevOps

Connect with HPE technology experts

You rely on technology to run your business efficiently. To stay competitive and capitalize on new revenue opportunities, you have to learn how to access technology in new ways. Team up with the Advisory and Professional Services and support experts to help you take full advantage of technology investments to drive your business outcomes. Combining technology expertise with business intelligence, our service professionals help organizations across the globe meet their evolving needs. They can do the same for you. Connect with our service experts to explore ways to do more with your technology investments and move your business forward.

Learn more at

HPE.com/us/en/application-modernization-services.html

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4AA4-5512ENW, Rev. 10