HPE GreenLake

How to modernize across multigenerational IT

Bring the cloud experience to all workloads, wherever they reside

Get started >

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The modernization dilemma

When digital transformation aspirations meet legacy IT limitations

Hybrid cloud is a foundational aspect of digital transformation that focuses on data-first modernization. Today, 80% of organizations take advantage of the low cost, agility, and scalability advantages of operating across public and private clouds in combination with on-premises and colocated infrastructure.[1]

However, for most organizations, hybrid cloud is not a well-planned end-state, but the result of rushed lift-and-shift cloud moves made in the name of cloud-first strategies. At the same time, 70% of apps and data still remain outside the public cloud,[2] constrained by data gravity, security and compliance concerns, latency and performance challenges, and application entanglement issues.

So, here's the dilemma: The cloud experience has set high expectations for user experience, simplicity, and time to value. But the reality of a diverse IT landscape—consisting of many locations and multiple IT generations—introduces complexity and inefficiencies that stretch staff resources and impede efforts toward sustainability.

When digital transformation aspirations meet legacy IT limitations, you need a way to bring the cloud experience to all workloads, across multigenerational, hybrid cloud environments.

Here's how to get started.

[1] "2022 State of the Cloud Report," Flexera, 2022.
[2] "IDC Cloud Pulse Survey," IDC, November 2021.
[3] "5 Reasons to Modernize Compute and Transform Your Data Infrastructure," Aberdeen Strategy & Research, accessed October 2022.

Modernization benefits[3]

50%
increase in agility and flexibility

80%
greater likelihood of meeting SLAs

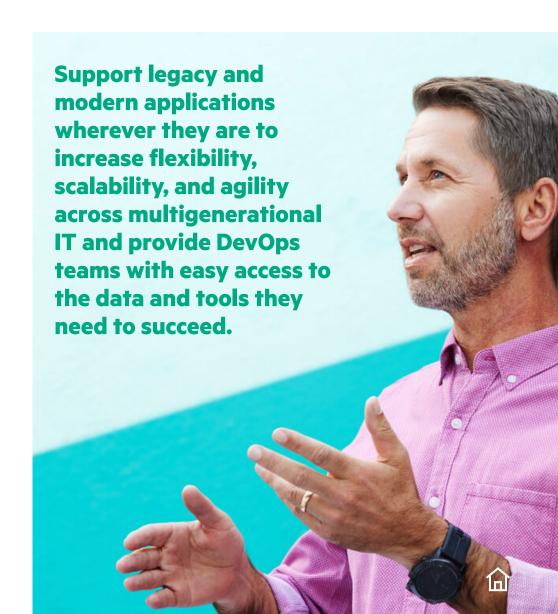### 6x
more likely to optimize IT spend

How to increase flexibility, scalability, and agility across multigenerational IT

Streamline and modernize multigenerational IT

Running a variety of legacy environments alongside new, leading-edge systems and platforms adds to IT costs and complexity. These silos can also interfere with DevOps teams' ability to quickly deploy and improve applications.

Even so, legacy IT still adds value, supporting both mission-critical applications and back-office platforms running the day-to-day business. But moving legacy applications to the cloud is incredibly complex, time consuming, and—in many cases—simply not possible because workloads need to stay on-premises for performance, compliance, and security reasons.

HPE brings a secure, automated, flexible, and scalable consumption-based unified cloud experience to your data centers, colocations, clouds, and edges with support for bare metal deployments, virtual machines (VMs), and containerized workloads. Combining management of new deployments with legacy platforms into a unified experience enables you to run any application at scale with simplicity and speed— without the cost, risk, or effort of moving and refactoring data—and sidestep the challenges of data gravity and latency with a cloud experience in your own environment.

Support legacy and modern applications wherever they are to increase flexibility, scalability, and agility across multigenerational IT and provide DevOps teams with easy access to the data and tools they need to succeed.

How to manage multigenerational IT from edge to cloud

Unify automating, orchestrating, and running your hybrid cloud strategy

A hybrid operating model allows you to select the most appropriate environment each application. But it also creates management complexity, especially when it comes to legacy applications that remain outside the cloud. Siloed and complex diverse IT environments limit visibility, take up considerable staff time, increase costs, and impede the free flow of data—all of which create obstacles to modernization.

HPE brings you a transformed and modern cloud experience with secure, automated, flexible, and scalable pay-as-you-go private cloud for modern and legacy infrastructure. Fast and easy access to the most popular cloud services and software gives you unified control and visibility, using the same cloud-based tools and processes across the entire IT environment. Choose from a robust portfolio of services and an ecosystem of independent software vendors (ISVs), cloud service providers, and colocation partners to enable your teams to deploy applications with ease, with the confidence of pretesting and qualification for the chosen platform.

Having a single control plane for automating, orchestrating, and running your hybrid cloud strategy results in a unified operational experience with a simplified view and access to all cloud services, including capabilities at the edge. Your experience includes built-in analytics and artificial intelligence (AI) along with expertise and tools to automate and simplify complex, time-consuming infrastructure management operations.

Modernize across multiple generations of IT with a unified, consistent, and secure cloud experience that helps you simplify and unify operations across your whole IT environment.

How to free up capital and skills to invest in innovation while advancing sustainability
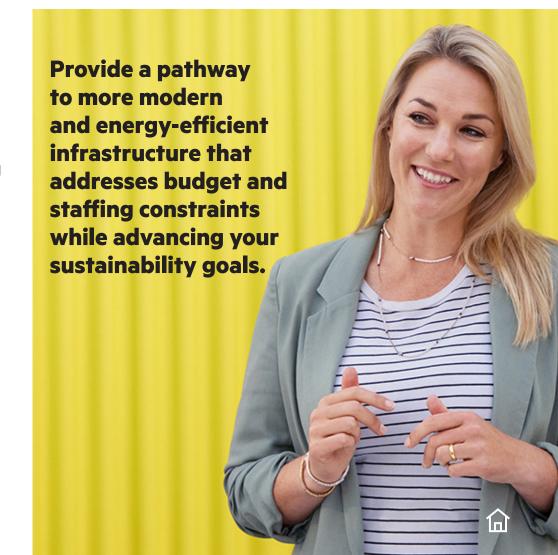
Convert existing IT assets into an incremental cash source while enhancing efficiency to extend staff resources and support sustainability

With a significant portion of the IT budget tied up with legacy infrastructure, and staff dealing with the complexity of hybrid cloud environments, funding and expertise for modernization is often lacking. At the same time, industry-wide acceleration of environmental, social, and governance (ESG) accountability has intensified the need for greater IT efficiency and sustainable business practices. Modernizing across multigenerational IT can help you increase efficiency to reduce costs and staffing requirements while contributing to ESG goals.

You can start by unlocking hidden value in legacy equipment to free up cash for new IT investment. HPE can manage your infrastructure from edge to cloud with modern automated tools and processes and convert owned IT assets into an incremental cash source by migrating use of systems to an as-a-service model for more predictable expenditures.

If you have legacy systems that need more capacity to support a growing user base, the answer may be to augment your infrastructure with pre-owned technology, putting the budget savings toward new, more mission-critical projects. When modernization calls for retiring assets, HPE can help you both capture residual value and contribute to ESG goals with capabilities for upcycling, re-marketing, or responsibly recycling assets at end of use, with plans in place for secure disposal.

Finally, shifting legacy IT from owned assets to a cloud experience with a consumption-based model boosts financial flexibility, frees up capital, better controls costs, and aligns costs to business outcomes. The cloud experience helps make staff more efficient, so they can focus on delivering business results. And managed services can augment in-house skills to help you deliver a quality experience at lower cost, expand capacity for innovation, and take advantage of new technologies quickly.

Provide a pathway to more modern and energy-efficient infrastructure that addresses budget and staffing constraints while advancing your sustainability goals.

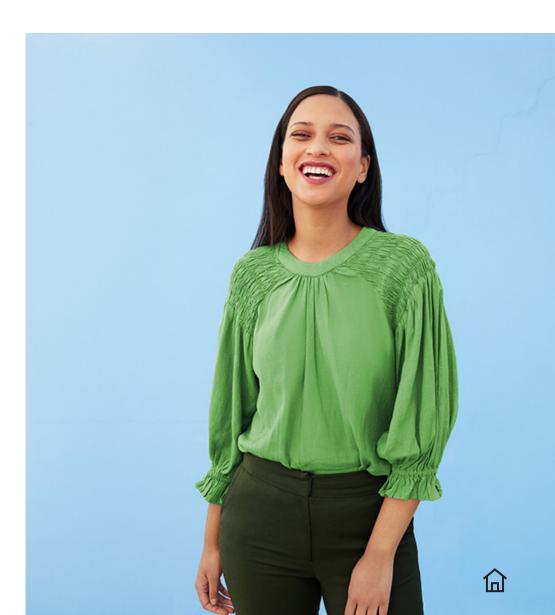# Start planning your multigenerational IT modernization

Bring a unified cloud experience to all workloads, wherever they reside

The world is changing fast, and competition is coming in from every angle. Addressing lift-and-shift challenges, decreasing technical debt, and bringing new life to legacy IT can give you a critical advantage that helps you pull ahead. HPE can help you:

Increase flexibility, scalability, and agility by streamlining and modernizing across multigenerational IT.

Manage multigenerational IT from edge to cloud with a unified experience for automating, orchestrating, and running your hybrid cloud strategy.

Free up capital and skills to invest in innovation while advancing sustainability by converting existing IT assets into an incremental cash source while enhancing efficiency to extend staff resources and support sustainability.
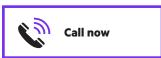
Partner with HPE to modernize across multigenerational IT

Digital transformation, underpinned by data-first modernization, can help you respond more flexibly to market changes, reducing costs and complexity and increasing efficiency and sustainability. HPE is here to help you streamline and modernize across environments, operate with unified visibility and control, advance sustainability, and free up capital and skills to invest in innovation.

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