BUILD A SEAMLESS AND SECURE HYBRID CLOUD EXPERIENCE

Infosys
cobalt

Hewlett Packard
Enterprise

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Navigate your next

Get More from Your Digital Transformation

Across vertical industries today, massive digital transformation is enabling organizations to improve user experiences, bring more agility to the core business, monetize all the data produced over the years, and most importantly, increase profitability. Common to most digital transformation initiatives is being business driven.

During digital transformations, most organizations have the same general business objectives. For example, IT leaders want to move away from owning resources and assets to consuming them as a service. Leaders also want to rejuvenate their core to not only support today's applications, but also run the applications built with tomorrow's technology — all while protecting the investments they already made.

Other business drivers include speeding system responsiveness from days to minutes, enhancing flexibility and agility (through self-service capabilities), simplifying service consumption, ensuring security and tight governance, and improving the overall total cost of ownership (TCO).

If tackling all these business drivers seems overwhelming, Infosys Cobalt and HPE Greenlake can help you navigate your digital transformation—and take you to your next.

Enabling a multinational semiconductor manufacturing and design company to resolve challenges, drive outcomes:

Customer Challenges

- Managing numerous disparate data centers that serve multiple fabrication plants (FABs)
- Reducing management complexity created by nonstandardized infrastructure
- Under-utilizing resources in a siloed infrastructure, increasing operational overhead
- Facing ever-increasing licensing costs and overall total cost of ownership (TCO)
- Moving toward a consumption-based business model

HPE and Infosys Solution

- Deploy an infrastructure-as-code approach based on HPE Synergy server blades
- Use Infosys Polycloud Platform to automate deployment and orchestration of the entire private cloud platform
- Employ multitenant capabilities with complete isolation between tenants
- Centralize administration through customer-specific dashboards by integrating existing monitoring tools
- Deploy HPE Apollo + Cloudian-based object storage to handle next-generation workloads and to optimize storage costs

Customer Benefits and Outcomes

- True cloud-ready infrastructure with built-in scalability and automation based on OpenStack
- 50% reduction in the operational complexity associated with managing different compute environments
- 50% reduction in deployment times using automation
- Considerably lower software licensing fees by adopting open source technologies

With Infosys Cobalt and HPE Greenlake, your digital transformation initiative can be

Innovative
Bringing in modern technologies for the best business benefits

Insightful
Using real-time and accelerated analytics to add meaning to the business, driving insights and improving user experiences

Secure
Increasing data security and strengthening compliance

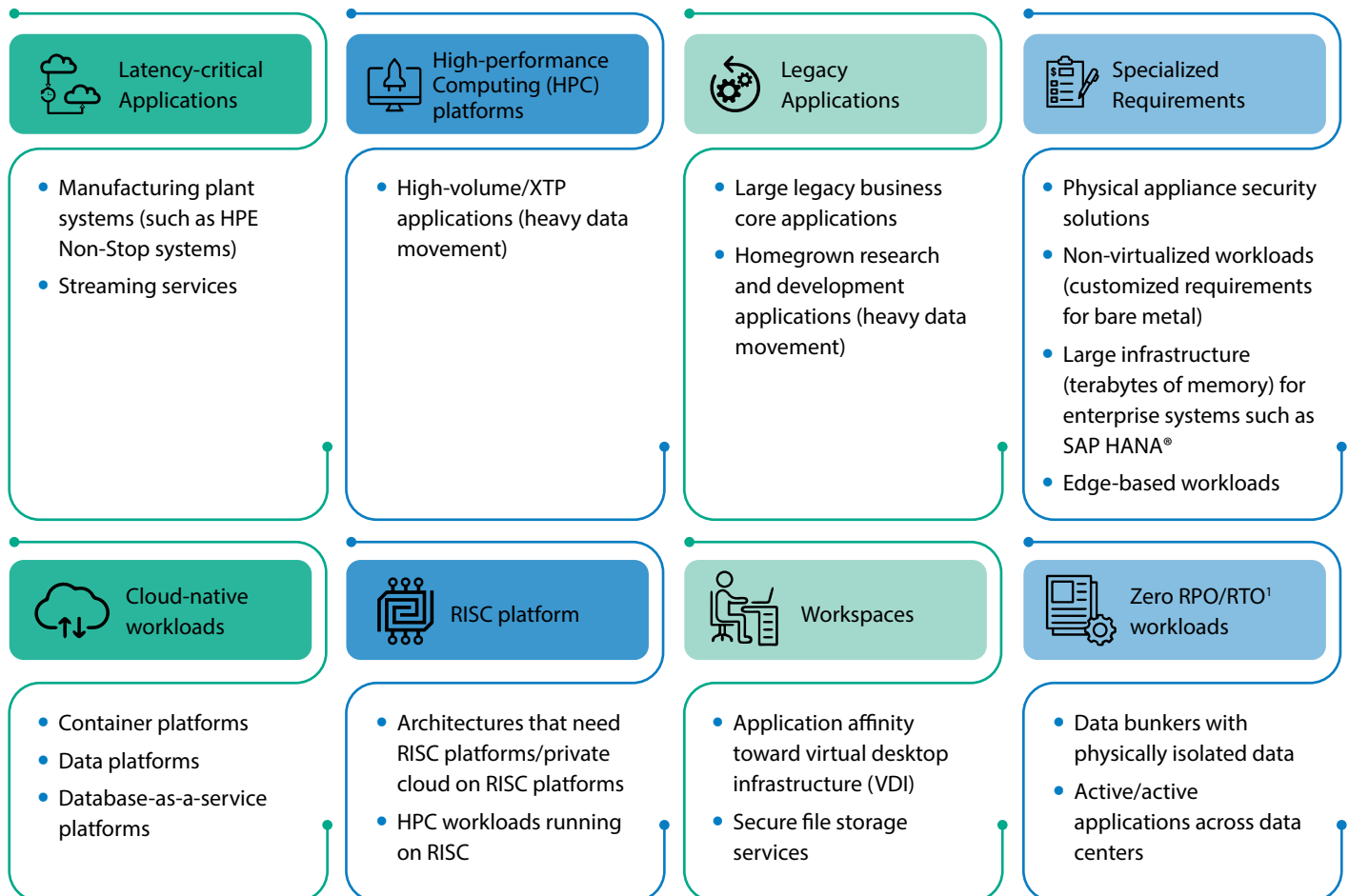**Reliable**
Improving uptime and performance

Monetized
Creating a different avenue for revenue

When private cloud is the answer

For organizations that operate in highly regulated industries such as financial services and healthcare, a private cloud is the preferred computing environment for protecting sensitive information. Private cloud is also the environment of choice for a wide range of other workloads.

Latency-critical Applications

- Manufacturing plant systems (such as HPE Non-Stop systems)
- Streaming services

High-performance Computing (HPC) platforms

- High-volume/XTP applications (heavy data movement)

Legacy Applications

- Large legacy business core applications
- Homegrown research and development applications (heavy data movement)

Specialized Requirements

- Physical appliance security solutions
- Non-virtualized workloads (customized requirements for bare metal)
- Large infrastructure (terabytes of memory) for enterprise systems such as SAP HANA®
- Edge-based workloads

Cloud-native workloads

- Container platforms
- Data platforms
- Database-as-a-service platforms

RISC platform

- Architectures that need RISC platforms/private cloud on RISC platforms
- HPC workloads running on RISC

Workspaces

- Application affinity toward virtual desktop infrastructure (VDI)
- Secure file storage services

Zero RPO/RTO[1] workloads

- Data bunkers with physically isolated data
- Active/active applications across data centers

[1] Recovery point objectives / recovery time objectives

Together with Infosys and the HPE GreenLake edge-to-cloud platform, you can ease your adoption of a private cloud and handle any of the above workloads. A private cloud from HPE and Infosys enables you to benefit from:

- A single point of ownership with committed service level agreements (SLAs) via HPE GreenLake as-a-service consumption model; only pay for the services you use

- A readily available platform with no (or minimal) customizations required via the Infosys Cobalt Cloud Community and store

- Flexible licensing models that address most of your licensing needs

- Predefined reference architectures/blueprints that are ready to use

- Proven methods and tools to accelerate workload assessment and migration; any-to-any migration via the PRIDE framework

- Transformations that include software - defined solutions + homegrown platforms + talent, as part of HPE and Infosys competency frameworks
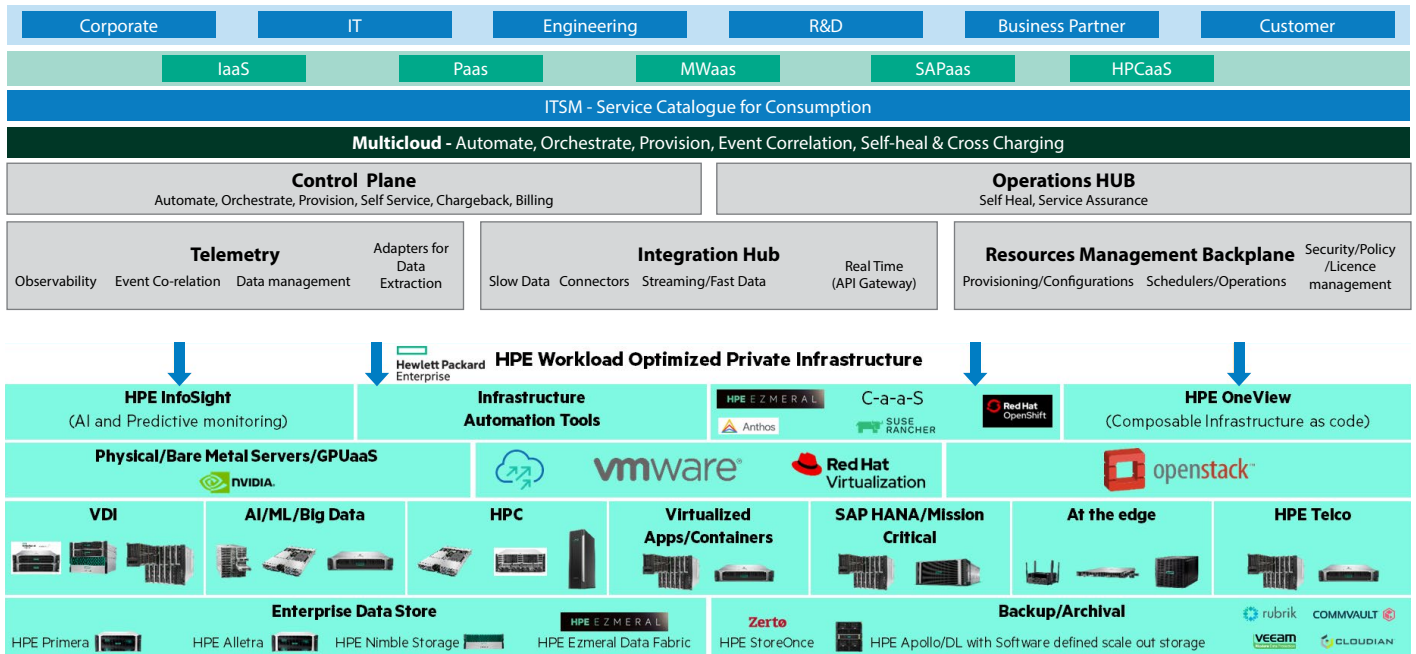
Figure 1. HPE and Infosys joint offering for private cloud

What is the Infosys Cobalt Community?

Aiming to be the world's largest enterprise cloud community, the Infosys Cobalt Cloud Community helps enterprises drive innovation at scale. Comprised of proficient business and technology practitioners across Infosys, this community works from the grassroots level upward across industries, organizations, functions, and technologies to develop reusable cloud assets that can be applied to solve everyday business challenges securely. These assets—including solutions, platforms, knowledge, and accelerators—not only assist enterprises in moving to the cloud, but also successfully navigate a hybrid multicloud environment to help solve business problems and accelerate their cloud journey.

Built with unmatched security

Today, cybersecurity is more important than ever. The global cybersecurity market size is forecast to grow to

$345.4B by 2026, according to Statista.[2] Government agencies, public sector, and private sector are all impacted by cyberthreats—including ransomware, phishing, data leakage, hacking, and insider threats.

So, for any organization operating in any industry, the question is not "if" your private cloud will be the target of cybercrime, but "when and to what degree." Knowing the critical importance of cybersecurity, HPE integrates the silicon root of trust directly into the hardware level of all HPE servers used in private

cloud deployments. This design creates an immutable fingerprint on the silicon that enables:

- Ultimate firmware protection
- Run-time attack detection
- Secure data within the server
- Leading regulatory compliance

[2] "History of Cyber Security," GeeksforGeeks, June 2022.

Consume your IT on your terms

The HPE GreenLake platform is built on a decade of experience delivering IT as a service for on-premises environments. Over the years, HPE has developed a unique set of technologies designed to deliver the cloud experience on-premises. In addition, HPE has worked closely with software partners, hyperscalers, and other solution providers to increase the depth and strength of its offerings.

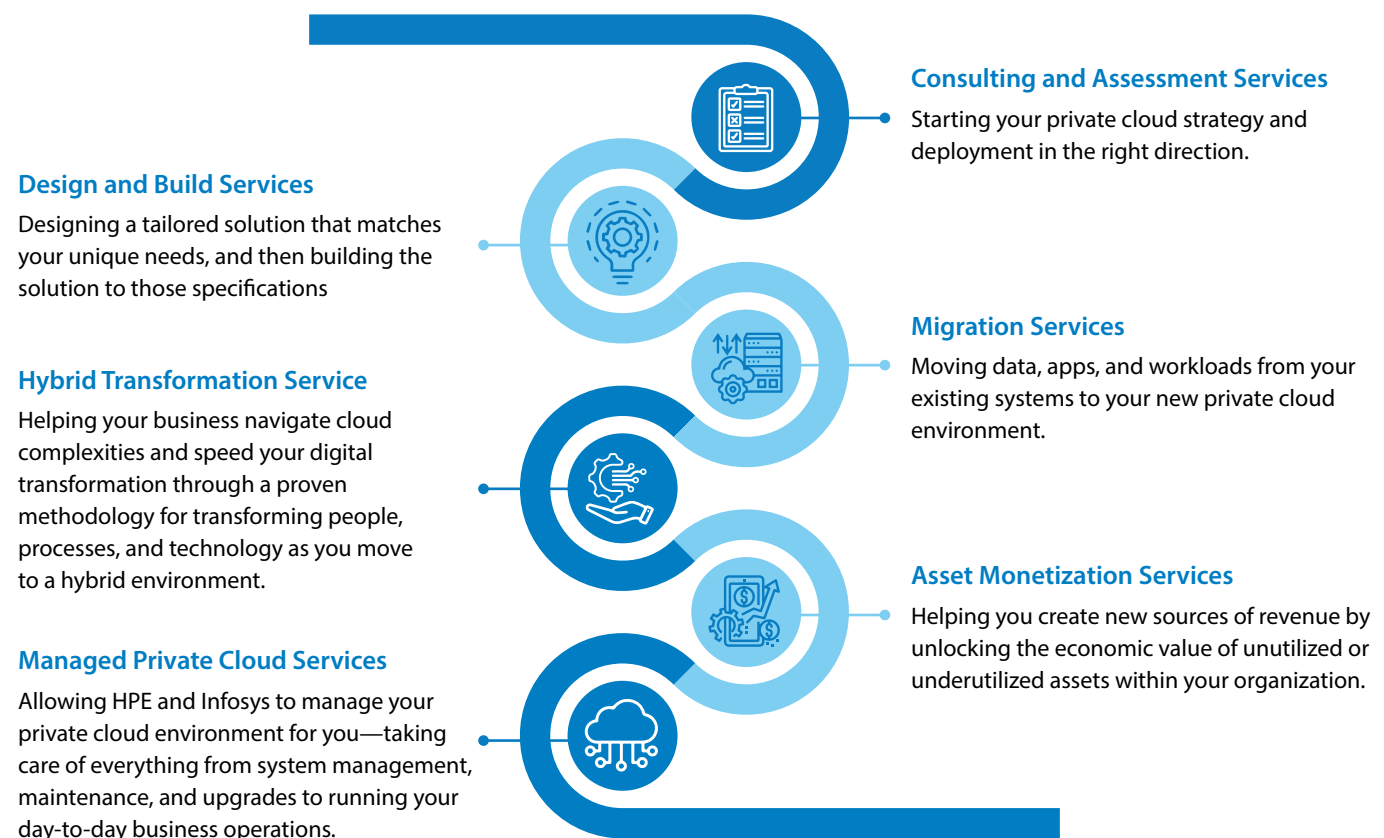Here's how the HPE GreenLake pay-as-you-go* consumption model works:

- Choose your cloud services—Select from a wide range of pre-configured cloud services, such as containers, virtual machines (VMs), storage, compute, data protection, or SAP HANA, just to name a few

- Pay for only what you consume—Free up capital and gain financial flexibility for new ventures and business operations with monthly payments based on the infrastructure and cloud services you actually consume

- Scale up and down—Scale with ease with an installed buffer of capacity that is actively monitored, managed, and proactively deployed when needed

- Free up your resources—Rely on expertise from HPE's world-class IT Operations Centers to monitor and manage your on-premises infrastructure and public clouds

HPE GreenLake brings the cloud experience to wherever your apps and data live. We do all of this with no egress charges, no vendor lock-in, and the flexibility our customers require to meet their unique needs.

Get the services you need, when you need them

Depending on your needs, you can choose from a comprehensive portfolio of services delivered by the professionals at Infosys and HPE GreenLake:

Consulting and Assessment Services
Starting your private cloud strategy and deployment in the right direction.

Design and Build Services
Designing a tailored solution that matches your unique needs, and then building the solution to those specifications

Migration Services
Moving data, apps, and workloads from your existing systems to your new private cloud environment.

Hybrid Transformation Service
Helping your business navigate cloud complexities and speed your digital transformation through a proven methodology for transforming people, processes, and technology as you move to a hybrid environment.

Asset Monetization Services
Helping you create new sources of revenue by unlocking the economic value of unutilized or underutilized assets within your organization.

Managed Private Cloud Services
Allowing HPE and Infosys to manage your private cloud environment for you—taking care of everything from system management, maintenance, and upgrades to running your day-to-day business operations.

* May be subject to minimums or reserve capacity may apply

HPE and Infosys—Delivering more of what you need for private cloud

When you choose HPE and Infosys to design and deliver your private cloud, you will receive a solution that is:

Complete
Including all the infrastructure components you need to create your private cloud

Sustainable
Leveraging sustainable practices and IT strategy, complemented by capabilities designed to lower your data center's carbon footprint

Manageable
Bringing next-generation operations into your private cloud deployment, and seamlessly integrating with the public cloud

Modular
Enabling you to start small and grow as your needs change, with all new services seamlessly interoperating with existing services

Intelligent and future-focused
Using AI to drive automation and achieve breakthrough innovation faster

Cost efficient
Offering a consumption-based business model and ready blueprints that simplify and speed deployment

Secure
Following a zero-trust approach that builds in security at every level and closes security gaps

About Hewlett Packard Enterprise

Hewlett Packard Enterprise (NYSE: HPE) is the global edge-to-cloud company that helps organizations accelerate outcomes by unlocking value from all of their data, everywhere. Built on decades of reimagining the future and innovating to advance the way people live and work, HPE delivers unique, open and intelligent technology solutions as a service. With offerings spanning Cloud Services, Compute, High Performance Computing & AI, Intelligent Edge, Software, and Storage, HPE provides a consistent experience across all clouds and edges, helping customers develop new business models, engage in new ways, and increase operational performance.

Infosys Cobalt is a set of services, solutions and platforms for enterprises to accelerate their cloud journey. It offers over 35,000 cloud assets, over 300 industry cloud solution blueprints and a thriving community of cloud business and technology practitioners to drive increased business value. With Infosys Cobalt, regulatory and security compliance, along with technical and financial governance comes baked into every solution delivered.

For more information, contact askus@infosys.com

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