

Empowering the CIO

Enterprise technology designed
to speed innovation



Abstract

The idea economy and technological innovation have made the role of the chief information officer (CIO) more demanding and handed business units more control over information technology (IT) spending. This trend can lead to CIOs becoming less relevant to the business. CIOs who understand the benefits of, and invest in, new technologies developed to lighten their day-to-day operations can free up time for themselves and their organization to spend on value creation and become innovators that drive the business. In this white paper, you will learn how Hewlett Packard Enterprise has developed a new class of solutions designed for composable infrastructure—to service both traditional and new IT. HPE Synergy, powered by Intel® Xeon® processors, enables CIOs to compete and deliver results in this rapidly changing environment.



Change and adapt or risk extinction

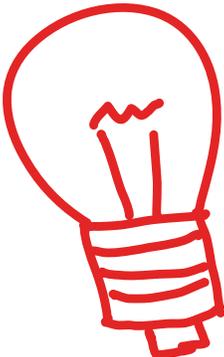
It is no secret that the era of cloud, the rise of a new class of workloads, “next generation apps” and the idea economy have increased demands on IT. According to the International Data Corporation (IDC), the share of worldwide corporate IT spending that is funded by non-IT business units is forecast to reach 47% in 2019¹. The ability and pervasiveness of individuals and departments outside of IT securing new apps and services in minutes— with no input from IT—has also created a debate about the relevancy of the CIO.

It is true that the role of the CIO is changing. In order to remain relevant, CIOs and IT organizations must be laser focused on enabling innovation that drives business results. In a world where every employee is empowered by digital technologies available on demand, this can be a challenge. CIOs and the IT organization are stretched and budgets are tighter. How can the CIO ensure service delivery and be a driver of innovation?

The first step is to determine the right platforms for the business to operate on. Rather than deploying technology to simply support business requirements, platforms should be chosen based on their ability to respond to current and future needs of the business, knowing that as the digital economy evolves, so to must its capacity.

One fundamental asset the CIO has is the ability to turn infrastructure into an enabler of business agility and growth. Hewlett Packard Enterprise has created the first platform designed for composable infrastructure, HPE Synergy, powered by Intel® Xeon® processors. It is designed to service both traditional and new IT, and enables CIOs to compete and deliver results in this rapidly changing environment.

Driving a truly agile and efficient IT infrastructure requires the transformation of traditionally rigid physical systems into flexible physical or virtual resource pools. HPE Synergy Composable Compute creates a pool of flexible compute capacity, powered by Intel® Xeon® processors, configurable almost instantly for rapid provisioning of infrastructure for a broad range of applications.



Embrace the Chaos

New classes of applications exist in the idea economy, which bring ideas to market faster and more efficiently. At the same time, IT environments must sustain traditional business applications that

run core business operations. Examples of these traditional applications include large prepackaged databases and enterprise resource planning (ERP) applications. Companies are expected to adopt a strategy that maintains existing infrastructure for traditional applications, and creates a different infrastructure and tools for the new cloud-native and mobile applications.

According to the 16th annual State of the CIO report, 72 percent of CIOs polled admitted they are struggling to balance business innovation and operational excellence². In order to drive innovation, IT organizations must embrace business units and allow the Lines of Business (LoB) to use the applications and technologies that they need to operate their business effectively. The number of stakeholders and decision makers in the technology buying process continues to increase and new executive level positions such as the Chief Digital and Data Officers have been created. This is all contributing to the chaos that is the digital age.

According to CIOs we surveyed, 39 percent report that Lines of Business (LoB) buy technology without involving IT at all³. IDC’s Line of Business taxonomy identifies two major types of technology spending – projects funded by IT and projects funded by technology buyers outside of IT. Joint IT projects can be funded by either IT or the functional business unit while Shadow IT projects are funded from the functional area budget without the knowledge, involvement or support of the IT department. In North America (the United States and Canada), projects funded by line of business units accounted for 58.2 percent or \$324 billion of all corporate IT spending in 2015⁴.

Capacity planning can be unpredictable and involve unanticipated changes given the dawn of new digital technologies and buying power of the LoBs. The proliferation of technologies and individual executives with buying power to purchase them is only increasing. CIOs who link arms with the business will remain relevant and drive strategy, rather than technology.

In order to change and adapt, CIOs and their IT organizations need to be freed up from day-to-day maintenance and the architecting of systems so they can concentrate on strategic enablers of the business. Implementing composable infrastructure provides IT organizations with an agile environment to increase the pace of innovation while driving profitability.

Make infrastructure the engine of innovation

Businesses are able to operate because of highly reliable technology, designed to serve a myriad of functional needs. As the economy and technology changes, these systems still need to run. This is precisely why an adaptable infrastructure is so crucial.

What if you could run anything, move faster, work efficiently and unlock value for the business? What if you could automate and simplify, all while reducing costs? Composable infrastructure is the bridge to faster service delivery, empowering IT to create and deliver value instantly, continuously, and at the speed and flexibility of the cloud—all within your own secure data center.

HPE Synergy is the first platform built from the ground up for composable infrastructure. It reduces operational complexity for traditional workloads and increases operational velocity for the new breed of applications and services. Through a single management interface, HPE Synergy composes physical and virtual compute, storage, and fabric pools into any configuration for any application.

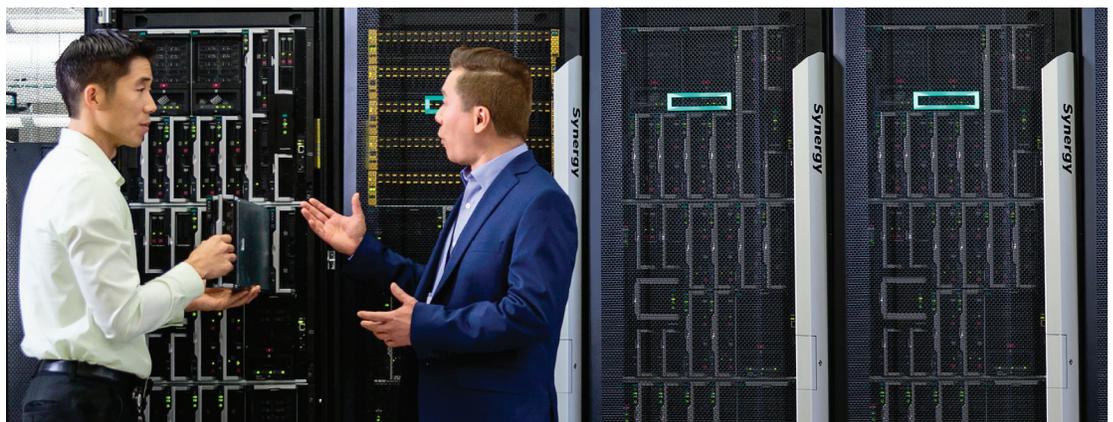
By combining flexible pools of compute, storage, and fabric, all the resources needed to run an application are instantly available. Additional capacity auto-integrates into larger, flexible pools, making scaling simple and automated enabled by powerful Intel® Xeon® processors. Hardware and operational complexity do not increase with growth, ensuring IT can achieve economies of scale and efficiency.

HPE Synergy provides a unified API that aggregates and hosts internal IT infrastructure to present physical resources in the same way virtual and public cloud resources are presented. The platform provides a clean interface between the applications and infrastructure. Developers are able to compose infrastructure on demand through the unified API without having to wait for the operations team to turn on the infrastructure for them.

HPE Synergy allows organizations to support the business while also being able to adapt quickly to new technologies and unplanned demands through three core principles:

- Fluid resource pools
- Software-defined intelligence
- A unified API

According to 451 Research, the primary benefits of this type of approach are the avoidance of overprovisioning, faster and more flexible delivery of infrastructure from IT to the lines of business, and easier integration access for developers and ISVs.⁵ HPE believes that it is not sustainable to maintain two different sets of infrastructure, one designed for traditional apps and another designed for the new cloud-native apps that require a continuous and efficient DevOps-to-production process. HPE Composable Infrastructure is a single infrastructure that sustains traditional applications and also delivers the new idea economy applications that epitomize agility and fluidity.



Logicalis: Transform with Confidence

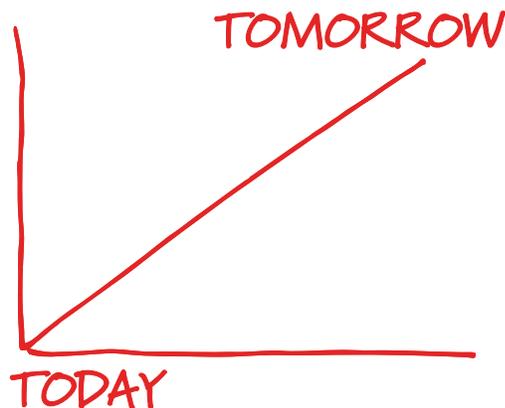
Logicalis enables digital transformation with an approach that lets each customer determine the capabilities necessary. Through expert consulting services, solution implementation, world-class managed services and systems operations, we reduce complexity, increase speed and agility, and ensure continuous service delivery that exceeds expectations.

Logicalis' relationship with industry leaders, such as Hewlett Packard Enterprise, enable us to work together to help companies bring IT from a state of complex, error prone, multi-stage propositions—leading to high costs of IT operations and delays in speed of service—to one of improved efficiency, where you can lower your cost of IT and improve speed of service.

Logicalis accelerates your IT transformation journey including the creation and delivery of applications, workloads, and services to develop infrastructure solutions with the right mix of traditional IT, private, and public cloud offerings. With locations around the world, we are able to help our customers in every step of the process from plan, procure to manage, no matter where operations are based.

HPE Synergy, powered by Intel® Xeon® processors is designed to service both traditional and new IT, and enables CIOs to compete and deliver results in this rapidly changing environment. Contact Logicalis to learn more about how this technology can drive your business.

For more information, contact us at 866-456-4422.



Logicalis | One Penn Plaza, 51st Floor, Suite 5130 | New York, NY 10119 | (866) 456-4422 | www.us.logicalis.com



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