DIGITAL TRANSFORMATION IS DRIVING NEW DEMANDS ON IT

Organizations are focused on driving new innovation, digitizing their business, and leveraging all of the data that’s being collected for insights. Companies today want to be more agile and responsive to their business, so IT organizations are adopting cloud and developing cloud-native applications in support of their digital transformation. At the same time, they’re still managing traditional IT workloads on-premises.

This requires an underlying IT architecture to deliver the needs of today combined with the needs of tomorrow—without introducing more complexity or cost.

THE SOLUTION: HPE COMPOSABILITY

Composability allows IT to create and deliver workloads and apps instantly, continuously, and at the ease, speed and scale of cloud, on-premises. Composability is defined by three core tenets:

- Fluid resource pools of compute, storage, and networking fabric to instantly configure resources to the needs of each application
- Software-defined intelligence with template-driven automation for fast deployment of workloads and lifecycle management
- Open, unified API for flexible integration with choice of software toolsets across a broad partner ecosystem

IT NEEDS TO DRIVE A CLOUD EXPERIENCE ON-PREMISES

A digital transformation demands new heights of IT agility and speed, which can be best realized through a cloud experience.

While many organizations run their workloads in a combination of public and private cloud infrastructure, they cite that they expect private cloud deployments to be the prime venue for the majority of IT workloads by 2020.¹

To meet business demands, IT needs to modernize their operating model to drive an experience similar to the public cloud on-premises—one that enables speed and efficiency, scales seamlessly, and better aligns costs with consumption in more of an on-demand model.

HPE COMPOSABLE RACK

Transform IT operations to a cloud experience with composability

Rack-scale architecture with automated deployment, scale, and infrastructure management for mixed workloads

HPE Composable Rack supports virtualized and hyperconverged solutions such as HPE SimpliVity 380, VMware vSAN™ ReadyNode configurations along with other software-defined storage options.

The solution also supports containerized and cloud platforms such as Red Hat® OpenShift Container Platform and VMware Cloud Foundation™ along with bare-metal use cases enabling customers to use preferred environments and tools, such as VMware vCenter®.

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HPE Composable Rack enables composability on discrete rack servers (HPE ProLiant DL 360/380/560 Gen10 servers), allowing IT to simplify and automate mixed workloads (cloud-native, virtualized, traditional or bare metal apps) within a single environment at rack-row scale.

¹ Digital Pulse: Workloads and Key Projects 2019—451 Group
² Available in select countries beginning in 2019. Contact your local HPE representative for more information.

HPE Composable Rack:
- Accelerate time to market
- Scale with ease
- Unlock IT capital
THE HPE COMPOSABLE RACK ADVANTAGE

Accelerate time-to-market
Automate IT operations and deliver apps and services faster to drive business innovation

- Support any workload on a single rack-scale composable infrastructure
- Deploy and update faster with template-based provisioning and policy enforcement
- Simplify lifecycle management for firmware and driver updates
- Predict and prevent problems with intelligent operations

Dynamically scale with ease
Compose, scale, and grow infrastructure on-demand, and non-disruptively

- Pool and provision resources to incrementally scale in real-time
- Self-discover and auto-configure new workloads through API-integrations
- Scale without friction within a rack, between racks, and across data centers
- Remove dependence on specialized teams to deploy and manage resources

Unlock IT capital
Modernize and transform with efficient and predictable consumption-based IT solutions

- Eliminate silos and over-provisioning
- Automate operations to shift IT resources to new projects
- Leverage as a Service (aaS) with consumption-based economics to align costs to utilization

Choice and flexibility
Adapt IT services to the unique demands of the business with an open and agile framework

- Open, standardized composable platform for all your apps with security and policy enforcement to reduce risk
- Broad software partner ecosystem to support DevOps, automation, and IT management initiatives
- Choice of cloud stacks, containers, virtualization, bare metal, and development tools
- Customize through a Unified API
- License as a product or aaS

GET STARTED
As a flexible and open platform, HPE Composable Rack can be consumed and deployed in a way that best meets an organization’s needs.

Transform your existing HPE ProLiant DL environment
Get composability while protecting your investment. Convert HPE ProLiant DL380/360/560 Gen10 servers into composable infrastructure by adding HPE OneView with integrated Composable Fabric.

Modernize your rack environment with composability
Bring new levels of scalability and efficiency by transforming your legacy operations to a new operating model with HPE Composable Rack.

Achieve a cloud experience on-premises
Deploy a private or hybrid cloud by integrating your preferred cloud stack on HPE Composable Rack to achieve cloudlike speed, scale and efficiency.

MAKE THE MOST OF YOUR INVESTMENT

HPE GreenLake
HPE GreenLake aaS offering brings the cloud experience to your apps and data on-premises. This fully-managed service that supports both HPE and third-party technology solutions offers variable payments based on actual metered usage. This on-demand environment allows for an infrastructure buffer so you can scale as quickly as you need resources.

HPE Pointnext Services
Using best practices and automation tools, our team of experts helps build, integrate, migrate, and deploy your cloud solutions.

HPE Financial Services
Innovative funding models can help maximize efficiency, accelerate innovation, and increase the agility needed to respond to business change.

LEARN MORE AT
hpe.com/composablerack