HPE ProLiant Compute

Brochure

# HPE and Lightbits

## HPE ProLiant servers and Lightbits Cloud Data Platform

## Working together. Accelerating results.

### A new style of partnering

Hewlett Packard Enterprise and Lightbits are collaborating in a fresh new way to bring increased value to customers like you.

We know that acquiring technology is only the first step in achieving a business goal. The technology pieces need to work together. They need to be tested. They need to provide rich functionality, quickly and effectively, so you can concentrate on your business needs.

To help satisfy these needs, Lightbits is a member of the HPE Partner Ready for Technology Partner Program, an industry-leading approach to supply sophisticated integrated technologies in a simple, confident, and efficient manner.

Lightbits has access to the right tools, processes, and resources to help our joint customers accelerate innovation and transformation that brings value, achieves business needs, and increases revenue and market share.

HPE GreenLake

## Product overviews

**Lightbits Cloud Data Platform:** The Lightbits Cloud Data Platform is built on a software-defined, disaggregated, composable architecture that gives data centers flexibility, agility, efficiency, and ease of management. When combined with the AMD CPU-based HPE ProLiant DL385, Lightbits delivers a high performance, scalable, resilient, and cost-efficient solution that is superior to storage alternatives.

Lightbits meets the customer demands of today's storage intensive workloads such as AI, analytics, and transactional workloads, eliminating the limitations of legacy storage systems such as scaling, complex and specialized networking, islands of storage, and high costs. When compared to open-source solutions, such as Ceph, Lightbits has been shown to deliver from 2x to 16x performance improvement, depending on choice of QLC or TLC storage and read/write mix[1] benchmarks. Lightbits has also been validated in VMware®, Kubernetes, and OpenStack environments.

The Lightbits software license is portable from public, private, and edge clouds enabling hybrid implementations and has been shown to reduce total cost of ownership by improving storage resource utilization when compared to direct attached storage, traditional SAN, or public cloud storage.

## HPE ProLiant DL servers

The HPE ProLiant DL Gen10 Plus Servers are a line of high performance rack servers designed for enterprise data centers and cloud service providers. Servers are rack-optimized offering high performance, scalability, and reliability that are designed to support a wide range of workloads, including virtualization, databases, analytics, and high performance computing. Powered by the latest Intel® Xeon® Scalable processors, it is designed to deliver a balance of performance, scalability, and security. The DL Gen10 Plus family offers a range of chassis options, including 1U and 2U form factors, to meet the specific needs of different workloads and deployment scenarios.

[1] "Storage Performance Comparison: Ceph vs. Lightbits," Lightbits Labs, March 2022

## Company overviews

### About Lightbits

Lightbits Labs (Lightbits) delivers high performance storage that's scalable, resilient, and efficient for any cloud—private, hybrid, and edge clouds. Founded in 2016 by experts in storage and networking, Lightbits invented the NVMe over TCP protocol, the technology that enables high performance, low-latency shared storage over Ethernet networks. The Lightbits accelerated cloud data platform is adopted by enterprise customers in financial services, eCommerce, and cloud service providers inclusive of AI cloud providers. Lightbits is ideal for organizations who need to store and manage data cost-effectively at scale in support of their digital transformation and cloud-first strategies.

Headquartered in San Jose, California, with innovation and engineering in Israel, and offices worldwide, Lightbits has the support of a broad range of investors. It has been experiencing exceptional year-over-year growth and has been recognized for leadership in storage technology with a number of industry awards, including Storage Products of the Year from TechTarget, CRN Storage 100 and was a finalist for CRN Tech Innovators.

### About HPE

HPE is the 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, with a consistent experience across all clouds and edges, to help customers develop new business models, engage in new ways, and increase operational performance.

## Learn more at

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