



HPE PROLIANT XL170R GEN10 24TB SERVER FOR COHESITY DATAPLATFORM (R0R04B)

Storage Solutions for Data Management



WHAT'S NEW

- New HPE ProLiant DL360 Gen10 77 TB Performance Server for Cohesity using NVMe SSDs for converged data protection, target storage and test/dev use cases where high performance is required.
- The HPE ProLiant Gen10 32 TB and 77

OVERVIEW

HPE Solutions for Cohesity DataPlatform is a software defined scale-out storage solution combining HPE ProLiant or Apollo servers with Cohesity DataPlatform software that is based on a unique distributed file system, SpanFS®. The HPE and Cohesity solution modernizes and simplifies data and application management by providing one platform for multiple workloads.

TB Performance Server for Cohesity is powered by I/O Boost technology in Cohesity DataPlatform.

- Cohesity's I/O Boost technology deliver 2x-8x performance improvements for backup, files and objects, disaster recovery, and other data management use cases.
- New HPE Apollo 4200 Gen10 384 TB Capacity Server for converged data protection where a high capacity storage tier is used for archiving data behind a high performance storage tier.

Although most organizations begin their journeys to overcoming mass data fragmentation by simplifying data protection, The HPE and Cohesity solution flexible architecture allows easy expansion to additional use cases, further increasing operational simplicity and improved TCO. Because Cohesity DataPlatform is a software solution, it works equally efficiently on-premises with qualified HPE servers as well as in the public cloud.

HPE Solutions for Cohesity DataPlatform are built on the HPE ProLiant DL360 Gen10 Server, DL380 Gen10 Server, Apollo 2000 Gen10 System, 4200 Gen10 and 4510 Gen10 System.

FEATURES

Simple, Secure, and Efficient Secondary Data and Apps Platform

Web-scale, pay-as-you-grow platform - Eliminate over provisioning, forklift upgrades, data migrations; and reduce TCO with simple, limitless, and non-disruptive performance and capacity expansion.

Built-in security - Be confident with enterprise-grade, built-in safeguards including data segmentation, in-flight and at-rest software-based encryption, immutable snapshots, unlimited zero-cost clones, secure multi-tenancy, role-based access control, and instant ransomware recovery.

Integrated data protection - Remove the need for separate backup software, target storage, dedupe appliances, media servers, tape, and cloud gateways.

Higher throughput and bandwidth capabilities of flash media combined with Cohesity's superior and proprietary space savings technologies mean even fewer licensed nodes required to meet performance and usable capacity needs, making all-flash more cost-effective than ever before.

Built for Cloud

Unified management - Easily control the entire secondary data estate, from edge to core to cloud, with one management GUI and simple policy-based automation.

Seamlessly extend to cloud - Easily bridge from on-premises to public cloud for cost-effective long-term retention, storage tiering, disaster recovery, test/dev, and data mobility with no bolt-on cloud gateways.

Optimizes cloud investment - Reduce time, cost, and network bandwidth for cloud storage with highly efficient global, in-line, variable-length, sliding-window deduplication, and compression.

Make your Secondary Data Productive

Unify file and object stores for improved TCO/ROI—Consolidate siloed file and object data on one, scale-out NAS with simultaneous multiprotocol (NFS, SMB, and S3) access to S3 volumes.

Accelerate application development - Instantly provision zero-cost clones for test/dev environments on-premises or in the cloud. Spin-up new app for test/dev



and DR with automatic VM conversion between on-premises and cloud formats. Eliminate unused data copies with unlimited, fully hydrated snaps.

Gain business and operational insights - Automated global indexing, Google™-like search and in-place analytics offers insights into your secondary data estate to help make informed decisions and meet complex compliance requirements.

Meet demanding service level agreements (SLAs) with flash-optimized performance that speeds data management tasks, particularly for faster metadata-intensive operations such as deduplication and replication, backing up of both small and very large (multi-terabyte) files alike.

Technical specifications

HPE ProLiant XL170r Gen10 24TB Server for Cohesity DataPlatform

Product Number (SKU)	R0R04B
Host interface	Multiple configurable options, including 10Gb SFP+, 1Gb or 10Gb Base-T and 10/25Gb SFP28
Management features	Multi-cluster global active management, iLO5 server management with iLO Advanced License with 3-year support
Protocol supported	NFS, SMB and S3
Clustering support	Yes, minimum of 3 nodes
Replication support	Replicate data and apps between on-premise and cloud-based Cohesity clusters
Storage expansion options	By adding additional nodes
Compatible operating systems	Backup and instantly recover your VMware, Hyper-V, Nutanix AHV, and KVM environments. Protect your physical Windows, Linux, and SQL Server. Provide fully managed Oracle RMAN-based app-consistent backup and recovery for both Oracle single instance or Real Application Clusters (RAC)
Form factor (fully configured)	half width tray for HPE Apollo r2200 Gen10 chassis
Capacity	24TB raw
Snapshot support	Yes
Smart clone support	Yes
Warranty	3-year parts, 3-year labor, 3-year onsite support with next business day response for HPE hardware, for information on Cohesity software visit www.cohesity.com/support/ .
Minimum dimensions (H x W x D)	4.13 x 18.45 x 65.80 cm
Weight	6.91 kg maximum



For additional technical information, available models and options, please reference the [QuickSpecs](#)

HPE POINTNEXT

Access expertise at every step of your IT journey with [HPE Pointnext Services](#). [Advisory Services](#) focuses on your business outcomes and goals, to design your transformation and build a roadmap tuned to your unique challenges. Our [Professional](#) and [Operational Services](#) help speed up time-to-production and keep your IT stable and reliable.

Operational Services from HPE Pointnext Services

- [HPE Datacenter Care](#) helps modernize and simplify IT operations. Partner with an assigned account team, access technical expertise, an enhanced call experience gives you priority access, choose hardware and software support, implement proactive monitoring to help stay ahead of issues, and access HPE IT best practices and IP.
- [HPE Proactive Care](#) offers an enhanced call experience and helps reduce problems with personalized proactive reports and advice. This also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.). [Read more](#)
- [HPE Foundation Care](#) helps when there is a problem and has a choice of response levels. Collaborative software support is included and provides troubleshooting help for ISVs running on your server. [Read more](#).

Other related services

[Defective Media Retention](#) is optional and applies only to Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

[HPE Service Credits](#) offers a menu of technical services, access additional resources, and specialist skills.

[HPE Education Services](#) delivers a comprehensive range of services to support your people as they expand their skills required for a digital transformation.

Consult your HPE Sales Representative or Authorized Channel Partner of choice for any additional questions and support options.

HPE GREENLAKE

[HPE Greenlake](#) is HPE's market-leading IT as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model. HPE GreenLake delivers public cloud services and infrastructure for workloads on premises, fully managed in a pay per use model.

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Parts and Materials: HPE will provide HPE-supported replacement parts and materials required to maintain the covered hardware.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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