

# HPE APOLLO GEN10 STORAGE AND MICROSOFT EXCHANGE SERVER SOLUTION

## Get high-density storage for the largest Exchange environments

Microsoft Exchange Server was created 25 years ago, and is still the leading product in the on-premises email and collaboration marketplace. Despite the growth of the cloud and hosted alternatives, on-premises Exchange still accounts for almost half of all Exchange mailboxes.<sup>1</sup>

Some customers do not adopt cloud-based messaging and collaboration because of concerns about economics, performance, regulatory requirements, and security. Many of these customers are large, established organizations who prefer on-premises Exchange, but need it to be secure, reliable, and scalable.

**HPE Apollo Gen10 Storage and Microsoft Exchange Server solution** is a scale-up email solution that supports the largest of deployments. The HPE Apollo storage platform provides a high-capacity, dense storage platform for Exchange customers who want to continue to run Exchange on-premises.

This enterprise email solution is built on [HPE Apollo 4200 Gen10 systems](#). With the Apollo-based solution, the largest HPE customers can minimize their email hardware and space costs with a high-density Exchange environment. The HPE Apollo Gen10 storage server accommodates up to 829 terabytes in just a 2U system.

HPE tests and publishes reference architectures and deployment guidance. The [HPE online reference architecture library](#) includes publications on the HPE Apollo Gen10 system and Microsoft Exchange Server. Thanks to the solution's

performance at scale and published expert guidance, Microsoft Exchange on HPE Apollo Storage is trusted by Fortune Global 500 organizations.

### SCALE UP FOR ENTERPRISE-CLASS MICROSOFT EXCHANGE

The HPE Apollo Gen10 Storage and Microsoft Exchange Server solution scales up for the largest organizations. The HPE Apollo Gen10 storage platform provides high capacity and scales to 829 terabytes per server or 16.6 petabytes per rack. This abundant capacity means it can support thousands of users as well as users who require large mailboxes (more than tens of gigabytes per user) if necessary. The HPE Apollo system heritage includes Big Data and High Performance Computing workloads, and thus is suited to large, demanding enterprise environments.

### HIGH-DENSITY EXCHANGE SERVER STORAGE

In addition to supporting large, enterprise-scale environments, the HPE Apollo Gen10 Storage and Microsoft Exchange Server solution delivers large capacity within a manageable space. The HPE Apollo storage system accommodates 28 large form-factor (LFF) or 54 small form-factor (SFF) drives within a 2U system. This efficient footprint minimizes system administrator work and the costs associated with rack-space and energy needs.



**FIGURE 1.** HPE Apollo 4200 Gen10 Storage



**FIGURE 2.** HPE Apollo 4510 Gen10 Storage

<sup>1</sup>In 2020, On-Premises Microsoft Exchange Server deployments represent 43% of all worldwide Exchange mailboxes, per Microsoft Office 365, Exchange Server and Outlook Market Analysis, 2020-2024,\* Radicati Group

## Solution brief

### Get high-density storage for the largest Exchange environments with the Microsoft Exchange on HPE Apollo 4200 Gen10 Storage solution

- Scale up for enterprise-class Microsoft Exchange—Scales to petabytes of email capacity and supports thousands of mailboxes
- High-density Exchange server storage—Accommodates enterprise capacity within 2U form-factor to minimize administration, space, and energy expenses
- HPE Apollo Gen10 enhanced with latest chips and storage media—Improved chipsets increase processor cores and transfers/second for faster performance, better user experience
- Future-proofed design—Optional persistent NVDIMMs and NVMe storage enable new and future applications

<sup>2</sup> [HPE Storage Substantiation](#)



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## HPE APOLLO GEN10 ENHANCED WITH THE LATEST CHIPS AND STORAGE MEDIA

The HPE Apollo Gen10 Storage and Microsoft Exchange Server solution boasts new Intel® processors along with the latest memory technology. These design enhancements increase the number of processor cores and transfers per second to provide for faster solution performance and improved email user experience. The new HPE Apollo Gen10 design also supports optional persistent NVDIMMs and NVMe storage media that can be leveraged by new and future enterprise applications.

## PURPOSE-BUILT BIG DATA STORAGE

HPE Apollo 4000 Systems are purpose-built for large-scale deployments of software-defined object and clustered storage, analytics, or active archives. With HPE Apollo storage systems, companies harness Big Data and overcome data center challenges with optimized platforms that help unlock business insights and store data efficiently. Along with enterprise applications such as Microsoft Exchange, companies run object storage, clustered storage, and Hadoop analytics on HPE Apollo systems that are built to handle enormous volumes of Big Data. Customers can design and deploy solutions that are cost- and scale-optimized.

## HPE DELIVERS THE WORLD'S MOST INTELLIGENT STORAGE<sup>2</sup>

HPE delivers the world's most intelligent storage for your hybrid cloud world. Achieve up to an 85% increase in IT efficiency with AI powered by [HPE InfoSight](#).

Underpinning the world's most intelligent storage is a workload-optimized flash portfolio that provides the ultimate destination for all your data types and an architectural foundation for seamless data mobility. The HPE Storage portfolio includes HPE Primera Tier 0 storage for mission-critical applications, HPE Nimble Storage for effortless manageability, and HPE Apollo Storage for scale-out performance and breakout efficiency for large datasets.

## GET STARTED

Scale up your Microsoft Exchange environment on HPE Apollo storage systems. HPE Apollo Gen10 storage systems provide high-density storage for the largest Exchange environments used by Wall Street firms, U. S. federal agencies, and government ministries. HPE Apollo storage has been the platform of choice for some of the largest global 500 customers. HPE Apollo 4200 Gen10 systems introduce the latest chipsets with more memory and better performance than previous models. HPE Apollo 4200 delivers high-density storage with hundreds of terabytes of capacity in a 2U system. HPE publishes reference architectures and deployment guidance that are [available online](#) to help you start planning your systems today.

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