At Discover 2018 Madrid, HPE announced the latest generation of the HPE Apollo 4200 Gen10 Server designed for big data analytics, scale-out software defined storage, backup and archive, and other data storage-intensive workloads.

**HPE Apollo 4200 Gen10**
The HPE Apollo 4200 Gen10 System builds on years of proven leadership in 2U density optimized storage. Its unique design allows customers to save valuable data center space through a 2U standard rack depth chassis that holds up to 28 Large Form Factor (LFF) or 54 Small Form Factor (SFF) hot-plug drives. Unlike platforms from other vendors, all of these hot-plug drives can be easily serviced from the front/rear of the rack without having to slide out the entire system. The HPE Apollo 4200 Gen10 system provides a bridge from traditional to scale-out architectures so users can achieve the combination of computing power required for data-intensive workloads with the space and cost savings of density-optimized infrastructure—without disruption.

Key features of the Apollo 4200 Gen10 include:

- **Ultra-dense and rack scale**
  - Highest data storage density in a unique, easier to service 2U standard rack depth chassis.
  - Up to 28 Large Form Factor (LFF) or 54 Small Form Factor (SFF) hot-plug drives and without I/O compromises.
  - New support for daisy chaining of out of band management network ports for 95% reduction in management network port consumption per 42U rack.
- **Workload-optimized with accelerated performance**
  - New balanced system architecture with 62% higher bandwidth from a three Intel UltraPath Interconnect (UPI) design.
  - Next generation Intel Xeon Scalable Processors with up to 24 cores each and DDR4 2666MT/s HPE SmartMemory for up to 66% faster bandwidth.
  - Now supports up to six NVMe-connected SFF SSDs for low latency and high bandwidth metadata access or data caching.
  - New HPE Smart Array Gen10 Controllers provide up to 65% better random and up to 25% better sequential performance, and network controllers up to 100Gb/s.

- **Data secure by design**
  - New HPE iLO 5 and HPE Silicon Root of Trust technology provides firmware protection, malware detection, and firmware recovery.
  - Optional HPE Smart Encryption for storage controller-based FIPS 140-2 Level 1 data at rest encryption.

- **Ready for customers' applications to be consumed their way, without headaches**
  - HPE validated with a wide range of big data and analytics, software-defined storage, backup and archive, and other data storage-intensive applications.
  - Consumption-based IT via HPE GreenLake Flex Capacity for economic agility with on premise security and performance.
  - Backed by services from HPE Pointnext, including support automation in the event hardware components fail.

**Availability**
The new Apollo 4200 Gen10 Sever will be available globally January 7, 2019.