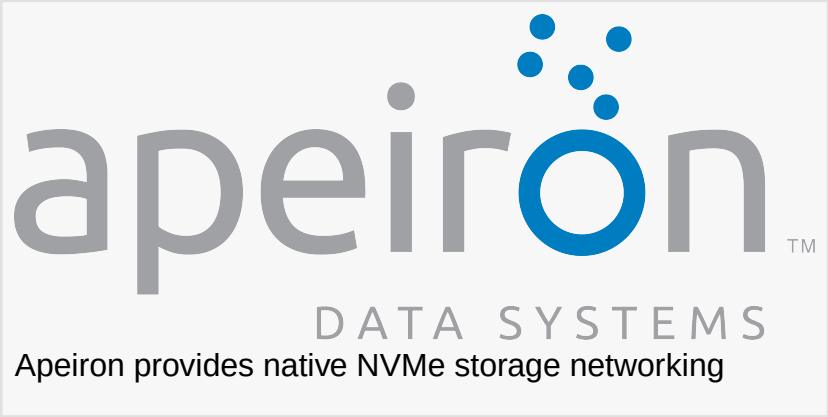
Apeiron Data Systems Announces Major Food & Drug Administration (FDA) Storage Contract

Apeiron to provide ultra high density and performance systems for electronic discovery environments



Apeiron provides native NVMe storage networking

FOLSOM, CA, USA, August 29, 2017 /EINPresswire.com/ -- Apeiron Data Systems announced today that it has been awarded the federal contract to provide data storage and compute infrastructure to the FDA's electronic discovery environments. Apeiron proposed the all NVMe ADS1000 with switching and compute fully integrated in a single environment. Each system is capable of 18M IOPS per 2U enclosure, and 72GB/s of throughput (limitation of the NAND drives). In addition to the performance and scale advantages of NVMe, Apeiron provides 32-40GbE ports integrated in each enclosure. The need to procure, deploy and manage external storage switching is gone with the ADS1000. This integration of NVMe and switching saves the FDA significant dollars on both the initial procurement and future maintenance/management.

> Apeiron's ADS1000 provides the low latency native NVMe networking necessary to truly leverage the NVMe standard, this includes the ability to "pool" Intel Optane"
>
> *Jim Steed*

Apeiron's VP of N. America Sales, Jim Steed says: "Aside from all of the 'standard' storage and compute capabilities, Apeiron provides the FDA with significant consolidation while delivering the high performance ingest and query capabilities these environments demand. The current and future NVMe drive capabilities are were critical to this decision as well. Because Apeiron can address any NVMe SSD, from any supplier the FDA can now choose the proper drive for the particular workload. This translates to consolidation of both compute and storage, which of course means a lower Total Cost of Ownership."

Apeiron's ADS1000 provides a native NVMe over Ethernet storage network. Storage management is moved to the application servers instead of an embedded/proprietary controller. This results in the elimination of the #1 bottleneck to server and storage performance-the storage controller. With the ability to provide 184 TB per 2U enclosure (going to 360 TB in September 2017), the ADS1000 simply cannot be matched in the categories of both density and performance.

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