

# Apeiron Data Systems Announces Dedicated Splunk Appliance With a Proven 10-90x Performance Advantage

*The Apeiron Splunk Appliance (ASA) provides unmatched performance, scalability and economics*

FOLSOM, CA, USA, September 20, 2017 /EINPresswire.com/ -- Apeiron announced today the immediate availability of the [Apeiron Splunk Appliance](#). This all in one NVMe appliance takes the guess work out of deploying Splunk environments of any size and performance profile.

Dense Search: index = \* | top user, 2 days

Type	Records / Second	Total Time (S) / Records
Bare Metal	12,388	4,834 / 58,919,340
Virtualized Environment	10,528	5,596 / 58,556,553
<b>Apeiron ADS1000</b>	<b>86,341</b>	<b>620 / 53,426,221</b>

**The Apeiron Advantage: 7x dense query performance over bare metal deployment**

Actual ASA production testing compared to SAS based SSDs

Splunk was designed to manage storage environments from day-1. The application already has inherent functionality such as compression and replication. Apeiron recognized the fact that traditional controller-based storage arrays attached to complex SAN infrastructures creates significant bottlenecks. When virtualization is added, this latency is compounded. Apeiron recognized that a scalable NVMe network, presenting itself as internal storage, is what was needed.



This massively scalable appliance looks exactly like captive DAS to the indexers, but in reality it can be 100's or 1000's of NVMe drives!"  
*Beau Newcomb, AutoMeta*

When Splunk has the wide open performance of NVMe storage, and no controller blocking the I/O, performance is exponentially improved. Apeiron provides a completely integrated system with storage, networking and compute already optimized for indexing loads from 100GB per Day to 100's of TeraBytes per day. The massive performance gains from native NVMe networking means that years of data can

now be queried without waiting hours for the results. The performance increase is attributed to three critical Apeiron [architectural decisions](#):

- 1) No storage controller is necessary when the application's such as Splunk are already designed to manage storage
- 2) Apeiron has a non-blocking, native NVMe storage network which provides scale and performance many factors beyond what SAS and SATA based storage can deliver. This provides multiple PetaBytes of NVMe performance to the Splunk infrastructure
- 3) Apeiron provides 44-physical cores to each Indexer, standard. No performance degrading virtualization is needed with Apeiron's appliance.

Splunk ES and ITSI environments on the ASA index 500GB per day, per index server (~6x the ingestion rate of a typical SAN connected indexer). Splunk Core environments are up to 750GB per day, per indexer. This means customers can realize significant performance improvements and at least a 5x server consolidation. The elimination of external switches and virtualization software translates to the best Total Cost of Ownership in the industry.

When the storage bottleneck is removed from the equation, and NVMe SSDs are used to their full potential, the customer realizes at least a 10x improvement in both ingestion and queries. Super Sparse queries are up to 90x that of a traditional SAN.

These efficiency gains in both storage and compute, means customers can now realize the true potential of their application investment. Apeiron can accommodate years of data by deploying 264TB of NVMe storage per 2U enclosure. Each enclosure includes 32 Ports of integrated switching, eliminating the need to procure and manage external switching infrastructure. Apeiron will be demonstrating the power of the ASA at this year's [Splunk Conf17](#) in Washington D.C., Booth G7.

Beau Newcomb from AutoMeta says: "The ASA is exactly the type of hardware infrastructure Splunk wants to leverage. This massively scalable appliance looks exactly like captive DAS to the indexers, but in reality it can be scaled 100's or 1000's of NVMe drives! When the significant overhead is added through both virtualization and slow storage, indexing and more importantly queries can be slowed to a crawl. The typical answer is to throw more hardware at the problem, which leads to unreasonable costs and management sprawl. The ASA completely eliminates I/O bound queries from the equation, which translates to significantly lower management and consulting costs."

The ASA is available today with a variety of drive profiles and capacities available. Please visit [apeirondata.com](http://apeirondata.com) for more information on this and other native NVMe solutions.

Jeff A. Barber  
Apeiron Data Systems  
1-800-701-0243  
[email us here](#)

---

This press release can be viewed online at: <http://www.einpresswire.com>

Disclaimer: If you have any questions regarding information in this press release please contact the company listed in the press release. Please do not contact EIN Presswire. We will be unable to assist you with your inquiry. EIN Presswire disclaims any content contained in these releases.

© 1995-2017 IPD Group, Inc. All Right Reserved.