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Infinidat Ranked Among Power 500 Software Companies

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Biography

John DeLuca is a Product Marketing Manager at Infinidat (<https://www.infinidat.com>). With more than two decades of experience in the storage industry, John's contributions have included delivering value to Dell EMC across multiple marketing and customer-facing roles over the years.

As a technology evangelist, he has led discussions at thousands of executive briefings, is an accomplished IT instructor, sales educator, and storage competitive analyst.

John has a BSc in Computer Science, an MBA in Technology Management, and a MSc in Information Science and technology.

John blogs at <https://www.infinidat.com/en/blog>

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Abstract

The Software Report is a comprehensive source for market research and insights, business news, investment activity and corporate actions related to the software sector. Based in New York City, the firm is run by a seasoned team of editors, writers and media professionals highly knowledgeable on software and the various companies, executives and investors that make up the sector. As the Software Report names enterprise storage solutions provider Infinidat as one of the top 500 software companies in the world in its ranking of the Power 500 Software Companies of 2023, this article looks at how Infinidat's competitive position and influence in terms of solution excellence, organizational strength, company growth, and management team calibre have been key driving force in the company's success that now sees Infinidat standing alone as the only primary storage vendor to rank in the Power 500 Software Companies.

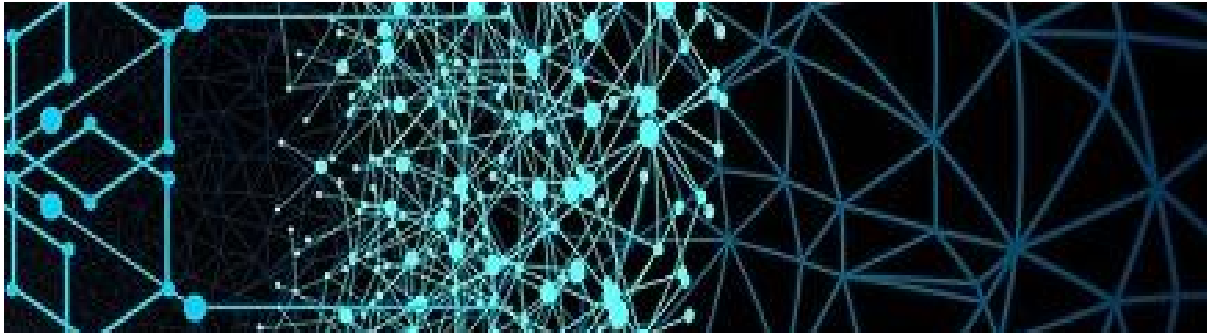
Introduction – it's all about the software

Infinidat is proud to receive this industry recognition from The Software Report¹, but we are not surprised. Software is a fundamental value proposition of Infinidat's portfolio and is key to our differentiation in delivering outstanding financial value to our customers. Hardware innovation is always welcome, but Infinidat delivers optimum performance, scalability, cyber storage resilience, modern data protection,



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reliability, and enterprise-class data services that are uniquely software – whether the system is for primary storage workloads, secondary storage workloads, or for backup and disaster recovery.



Intelligent software

Infinidat's platforms are powered by InfuzeOS™², an innovative software defined storage (SDS) architecture. InfuzeOS delivers powerful capabilities and data services, performance, availability, cyber storage resilience, ease of use, and strong economics on our storage platforms. Infinidat's unique software design eliminates the dependence on the underlying hardware, enabling greater flexibility and expansive enterprise data services – including cyber storage resilience, unrivalled performance, unparalleled ease-of-use, and scaling.

Figure 1: Infinidat's InfuzeOS™





Performance

The InfiniBox®³ systems platform has the economic advantage of using commodity off-the-shelf (COTS) hardware eliminating expensive and unproven custom/proprietary hardware components. Despite the use of commonly available hardware, with Infinidat's multi-patented Neural Cache⁴ software technology, Infinidat has the lowest latency of any storage platform in the industry, when we announced latency as low as 35 microsecond for our InfiniBox™ SSA II.

Of course, this outstanding performance is critical for many workloads, especially for highly transactional workloads. Equally important, Infinidat's performance and continual self-optimization enable wide-spread consolidation of varied workloads eliminating siloed and specialized storage and driving down CAPEX costs, management complexity, IT resource needs, OPEX, and time-to-market.

Infinidat's InfiniOps™ Technologies, a collection of software capabilities that exploit world-class Artificial Intelligence for IT Operations (AIOPs) functionality and expedite DevOps activities. By infusing the unique operational awareness of InfiniVerse®⁵, IT teams have streamlined storage oversight and management to greater levels of set-it-and-forget-it simplicity at their local site and across the globe.

InfiniVerse is our secure, cloud-based service that provides infrastructure-wide predictive analytics, monitoring, and reporting on capacity and performance, enabling organizations to identify and address potential issues before they impact service levels. Using millions of data points from deployments around the globe, AI-based analytics provide powerful insights to an organization's data lifecycle. This single pane of glass gives current and historical insights across all storage protocols, volumes, pools, filesystems, and consistency groups.



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Incorporating InfiniVerse into your portfolio of monitoring and management tools will save you money by reducing the time spent doing capacity planning, performance analysis, reclaiming unused capacity, and identifying performance bottlenecks outside the storage system. These productivity improvements enable you to focus on your business instead of micromanaging your infrastructure. Our AIOps software solutions were instrumental in our Power 500 award for Analytics!



Reliability and data protection

Data protection starts when the data lands in the array with our active-active-active architecture. In a storage market with vendors touting ‘nines’ (99.999%) of availability, InfiniBox guarantees 100% data availability. This level of availability is what organizations expect and IT has previously been challenged to provide. The first step in delivering data protection is building your strategy on the strength of Infinidat’s InfiniBox architecture.

InfuzeOS protects customer information using a dual-parity, declustered “RAID”-like process called InfiniRAID®⁶. It employs a unique approach of creating a large number of data “RAID” groups and automatically distributing its members across all the system’s enclosures and disk drives, and InfuzeOS supports abundant replication topologies including synchronous replication, asynchronous replication with four-second recovery point objectives (RPO), active-active replication, and concurrent multi-site replication. InfiniGuard provides industry-leading performance for data protection and backup with in-line ingest rates of up to 180TB per hour and unrivaled recovery performance at scale (50PB+, effective), be it a single file, large-scale DR, or cyber recovery.

Cybersecurity remains a Number 1 issue for CIOs

The need to respond to the four responds to four critical areas of data security that are fundamental to developing a cyber resilience solution: immutable snapshots, logical air-gapping, fenced forensic environment (zero-trust), and near-instantaneous recovery continues. As Infinidat's InfiniSafe® Cyber Resilience Reference Architecture for InfiniBox platforms continues to address this, our SLA-based Guarantees for the performance, availability, and cyber recoverability of our platforms is setting the standard for enterprise storage. IT is challenged to deliver more with less in an increasingly aggressive SLA environment. IT deserves more than casual assurances from trusted vendors.

Here are the guarantees available from Infinidat:

- Performance Guarantee. Written guaranteed performance SLA based on a detailed workload analysis.
- Guaranteed recovery from InfiniSafe immutable snapshots. Coverage on InfiniBox, InfiniBox SSA II, and InfiniGuard platforms.
- InfiniSafe recovery time guarantee. Recovery from immutable snapshots in less than 20 minutes for InfiniGuard and less than 1 minute for InfiniBox and InfiniBox SSA II, regardless of snapshot size.

All-in acquisition

At Infinidat, there is no additional charge for software. Amazingly we won an award for software that we include at no charge with our platform! It's all included, along with our industry acclaimed white-glove customer support, free access to a Technical Advisor, and access to Professional Services. In fact, a recent IDC Survey shows we reduce IT infrastructure costs by 48% and help storage management teams be 51% more efficient – just a couple of the compelling reasons to choose Infinidat in these uncertain economic times.

Reference

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- ⁴ Burgener, E. (21 July 2021), Infinidat Neural Cache: Harnessing Deep Learning to Drive High Performance at Low Cost. Available at: <https://www.infinidat.com/en/blog/infinidat-neural-cache-harnessing-deep-learning-drive-high-performance-low-cost-1>
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