



Flash Memory Summit

INFINIDAT

Case Study – InfiniBox SSA

At a Fortune 50 Financial Institution

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How *Does* Infinidat Do It?

- **How is InfiniBox SSA Faster than other All-Flash-Arrays?**
 - World's best DRAM cache-hit ratios through Neural Cache S/W
- **Why are Infinidat products more highly available?**
 - Triple-redundancy of critical components
 - Far fewer “touches” required for management and maintenance
- **How is Infinidat simpler/easier?**
 - Completely virtualized back-end
 - HTML5 interface, Infiniverse AIOps, exceptional integrations
- **How is Infinidat less expensive?**
 - Single architecture with 100% commodity H/W, the IP is all S/W
 - Our costs are simply lower, and we can pass that on!



InfiniBox SSA II Performance

- “...setting a new performance bar for the storage industry”
 - Dave Raffo, [Evaluator Group, July 2022](#)
- “InfiniBox SSA II is in a unique position in that it delivers the lowest latencies (35 microseconds) of any open SAN product on the market today”
 - Eric Burgener, [IDC, May 2022](#)
- “Infinidat has focused on latency, setting a new bar for competitors at 35 microseconds”
 - Randy Kerns, [Evaluator Group, April 2022](#)
- “Infinidat says its InfiniBox SSA II has 35 microseconds of latency, lower than any other comparable enterprise storage platform in the industry.”
 - Chris Mellor, [Blocks & Files, April 2022](#)



The Company's Challenge:



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- Performance-critical applications need speed!
 - Using Oracle DB, Vmware, Oracle RAC
- End Users complaining about the cost of their storage
 - End-Users demand All-Flash solutions...
 - ...but the cost is driving them to consider alternatives
- Infrastructure team considers Consolidation to reduce CAPEX and OPEX
 - The company has had experience with virtually all major legacy enterprise storage vendors over the years – can *anyone* really help now?



Addressing The Challenge:

- Invited all major All-Flash Vendors to an extensive “Bake-Off”
- Multiple Tests Developed for Evaluation
 - Performance
 - Real-world aggregation of their critical applications, administered by an objective 3rd-party
 - Measuring: Latency, IOPS, Bandwidth
 - Test how far platforms can scale from the current production baseline
 - Availability
 - 100% availability is critical, including continuous operation after any component failures



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InfiniBox SSA was chosen



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- InfiniBox SSA Outperformed Competitive Enterprise AFAs in ALL Test Environments
 - VMware, Oracle on Vmware, Oracle RAC
- Compared to the Incumbent Enterprise AFA, InfiniBox SSA delivered
 - 3X IOPS
 - 3X Bandwidth
 - At ½ the Latency (twice as fast)
- Only one competitive system was close to the Performance of InfiniBox SSA
 - ...but at **massively** higher cost than InfiniBox SSA!
- InfiniBox SSA demonstrated continuous availability (100% Availability Guaranteed)
- InfiniBox SSA now in operation at the company since December 2020
 - Production Environment
 - Test & Development Environment



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Their Recent Performance, with InfiniBox SSA

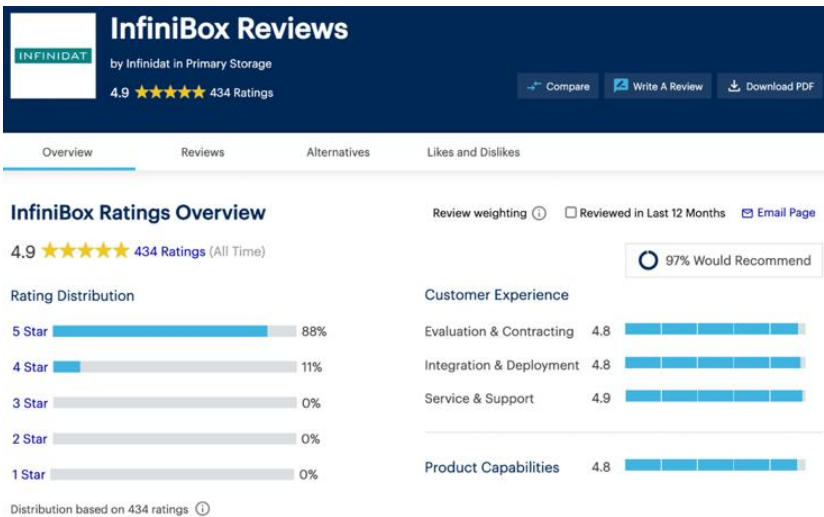


The Company has now added InfiniBox SSA II

- Results compared to their incumbent vendor's Tier-0 Enterprise AFAs
 - InfiniBox SSA II delivered 56% more IOPS
 - InfiniBox SSA II delivered 59% more Bandwidth
 - InfiniBox SSA II Latency was MUCH faster (as expected)
- Looking to consolidate additional new workloads



The End Users Have Spoken - July 2022



Gartner Peer Insights™



As of July 24, 2022



**“If you aren't running
Infinidat in your data
center, you are wasting
money on storage!”**
- Infrastructure & Operations in Finance Industry

THANK YOU!

www.infinidat.com