Case Study – InfiniBox SSA
At a Fortune 50 Financial Institution

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Comprehensive Enterprise Applications and Use Cases
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:

• 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
InfiniBox SSA was chosen

- 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
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
“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