

EVIDEN x DELL

SAP Hana infrastructure solution with the BullSequana SH server & Dell PowerMax storage

an atos business

We are proud of our joint appliances and pre-engineered reference architecture integrating Eviden BullSequana servers and Dell Technologies Storage, which significantly reduces development times as well as eliminating implementation risks for customers.

Eviden and Dell Technologies provide the business insight and technical skill to exploit SAP S/4HANA's potential to the maximum. We manage the whole implementation process, helping you to meet your business goals through organizational change management and business process reengineering.

Eviden / Dell +20 years partnership

Our Enhanced Alliance Agreement partnership and joint expertise brings together world leading integrated services from Eviden and Dell Technologies and best of breed solutions enabling clients to efficiently optimize their IT infrastructure.



Our BullSequana SH Enterprise servers, combined with Dell Technologies Storage and Networking provides a scale-up in-memory solution to process massive data and transaction flows, such as SAP HANA or Oracle Databases.

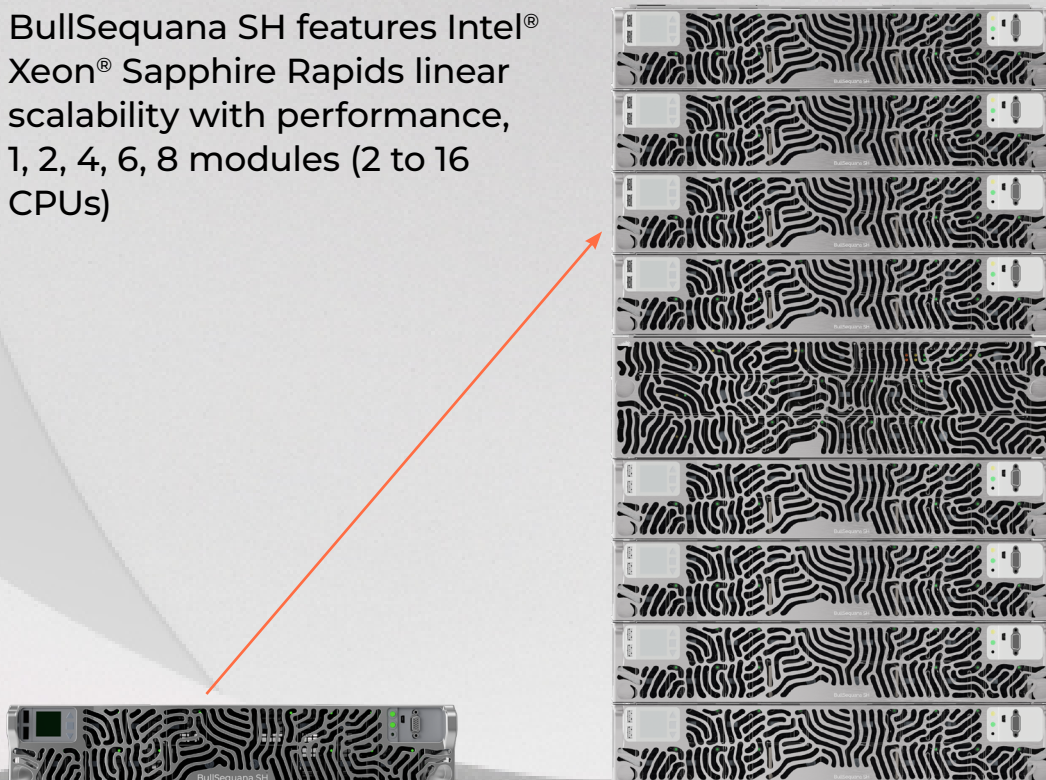
Selecting Eviden/Dell secures your project based on the existing joint customer base shared between Eviden and Dell Technologies.

In our joint solution you take advantage from the flexibility of servers and storage:

- BullSequana SH server with 1, 2, 4, 6 or 8 modules with 2 CPUs
- 512GB to 32TB memory in total depending on the model.
- PowerMax with 32TB to 8PB effective capacity and 1 to 8 node pairs.

The BullSequana SH for SAP HANA platform delivers unique flexibility, unmatched scalability, and best-in-class quality of service in the x86 world, essential criteria for in- memory databases and real- time computing. Combined with expertise and value-added services, this forms an end-to-end solution for successful SAP HANA deployments in even the most critical environments.

BullSequana SH features Intel® Xeon® Sapphire Rapids linear scalability with performance, 1, 2, 4, 6, 8 modules (2 to 16 CPUs)



PowerMax provides unprecedented power and scale for consolidation, automation, and intelligent operations of SAP deployments to unlock the value of your data and lower the overall cost of ownership.

With the PowerMax array, customers **can deploy innovative applications like SAP HANA** in all areas like real-time analytics, machine learning, big data and all landscapes which demand lower latency and higher performance.



PowerMax is the industry's most secure mission-critical storage platform. The PowerMax platform delivers over 200 new features with industry-leading storage automation and **advanced cyber resiliency** to help companies accelerate their journey through digital transformation.

Each PowerMax model **is designed for 6 nines of data availability** and delivers continuously up-to-date storage throughout its product life cycle with Dell's Future-Proof program, Anytime Upgrade, seamless data mobility, and PowerMaxOS upgrades in under six seconds.

The **end-to-end NVMe** design increases performance, scalability, and flexibility for customer innovation, providing IT organizations with reliable mission-critical storage that remains continuously modern over time.

PowerMax scalability for SAP HANA workload:

The PowerMax has been certified using the SAP HCMT tool. The following table provides the number of SAP HANA worker nodes that can be connected:



Consult Atos benchmark results: [SAP Standard Application Benchmarks](#)



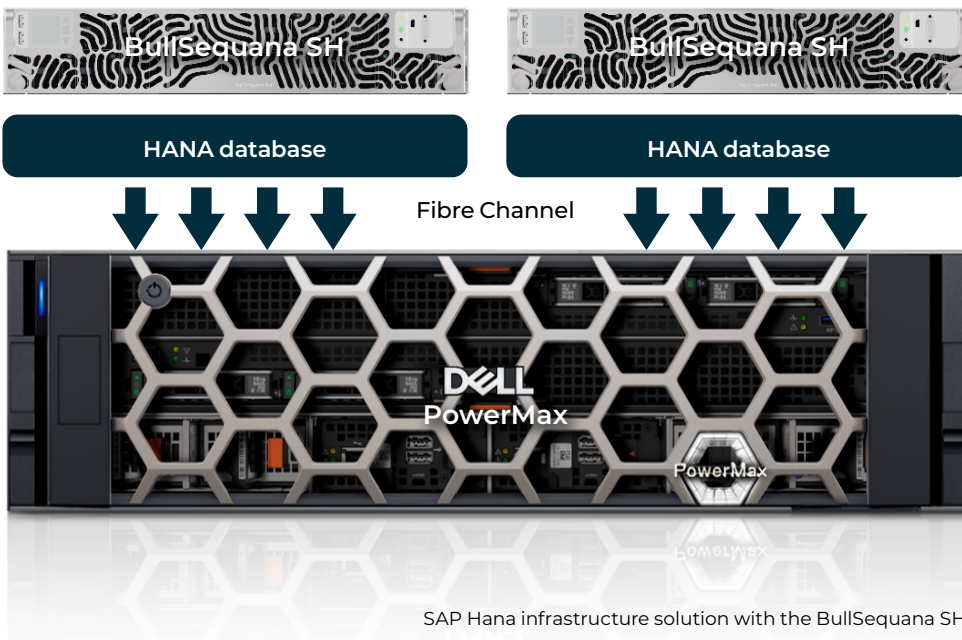
PowerMax 2500 and 8500 SAP HANA scalability

PowerMax model	Number of node pairs	Number of SAP HANA worker hosts
2500	1	26
	2	52
8500	1	36
	2	72
	3	108
	4	144
	5	180
	6	216
7	252	
8	288	

In addition to SAP, the PowerMax system allow to consolidate all your critical workloads.

PowerMax 2500 provides up to 8 PBe capacity and up to 64 ports, 2 to 4 nodes contained within a 10U rack Integrated NVMe Fabric Node Pair connectivity.

Joint validated architecture:





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