EVIDEN

Solving Oracle Database business challenges with Escala & BullSequana SH

Efficiently Manage Oracle Databases

Business-critical applications depend on Oracle databases whether for online transaction processing (OLTP), for online data processing analytics (OLAP), for data warehouse (DW) or for mixed environments. Nevertheless, the explosion in data volume presents a significant challenge for IT leaders, making it difficult to manage databases efficiently while maintaining peak performance and addressing the rising costs of Oracle licenses and support

Oracle software costs consume a large part of the IT budget

When selecting an Oracle database solution, ongoing software costs are inevitable and constitute a significant portion of the TCO. However, reducing these costs has become a primary objective for many CIOs.

Manage workload peaks and handle new workloads efficiently

Database servers are often oversized to efficiently manage workload peaks. Additionally, it is a common practice to add new servers to accommodate additional workloads. Both scenarios result in an increase in the number of cores, which subsequently drives up license and support costs.

Performance degrades over time

As data volumes, users, and database instances increase, performance typically declines. Scale-out server clustering is a common solution, but it struggles with data-centric applications like Big Data and Analytics that need significant adjacent resources, large caches, and ample RAM. Additionally, this approach increases management complexity due to numerous commodity servers and the costly Oracle RAC option. Choosing cost-effective hardware merely shifts costs to expensive Oracle software without delivering the anticipated performance.

Escala and BullSequana SH, the best platforms for Oracle databases

Escala and BullSequana SH integrated systems offerings have been designed to meet common IT challenges with hosting business critical Oracle databases – performance, scalability, high availability, costs and investment protection.

Optimize Costs and Enhance Performance

Reducing license, support, and operational costs is fundamental to achieve better TCO and faster ROI.

- **High-Performance Processors:** Use processors with excellent performance per core to run Oracle workloads with fewer cores and less hardware, thus lowering Oracle Database license and support costs.
- **Efficient Virtualization:** Consolidate Oracle workloads on a single system using efficient virtualization, reducing the number of servers, infrastructure complexity, and administration costs.
- **Hard Partitioning:** License only the cores that are running the databases.
- **High Availability:** Ensure high availability without the need for the expensive and complex Oracle RAC option.
- **Cost-Effective Storage:** Leverage inline storage features at no additional cost, eliminating the need for Oracle storage software.

Superior and smooth scalability

Experience superior and seamless scalability with our innovative modular architectures. Start small and grow as needed without facing performance issues as your database size, user count, or instances increase. Avoid over-provisioning and optimize your resources.

High performance

Benefit from high performance thanks to state-of-the-art server and storage technologies.

- **Advanced Servers:** Escala and BullSequana SH servers feature powerful processors, large main memory on a single system, integrated NVMe flash, and leading-edge I/O for minimal latency and high traffic bandwidth.
- **Top-Tier Storage:** Utilize best-of-breed flash-array storage for exceptionally high IOPS (I/O per second), ultra-low latency (<1 ms), and support for very large capacities.

Maximum flexibility and investment protection

Achieve maximum flexibility and protect your investments with solutions tailored to your needs.

- **Deployment Options:** Choose between bare metal or virtualized environments.
- **Customization:** Opt for BullSequana SH integrated system, Escala Power™-based server or Tailored Datacenter Integration (TDI).
- **Component Choice:** Select your preferred processors and storage solutions.
- **Co-Location:** Co-locate Oracle databases with business-critical applications.
- **Legacy Support:** Maintain support for older Oracle Database versions.

High Availability for Business Continuity

Ensure business continuity with reliable and secure solutions.

- **Mainframe-Class Reliability:** Benefit from advanced built-in RAS (Reliability, Availability, Serviceability) features.
- **Continuous Data Protection:** Enjoy continuous data protection and availability with automated failover and disaster recovery functionalities.

Tailored enterprise systems for your business needs

Depending on your business strategy, applications, and skills, choose the right-sized enterprise systems that match your current and future needs.

- **Escala Servers:** Designed for data center consolidation of UNIX servers hosting Oracle business applications on AIX™, offering unparalleled virtualization capabilities.
- **BullSequana SH:** Tailored for data center consolidation of Oracle applications hosted on x86 Linux servers, providing the best Linux alternative for UNIX customers transitioning from legacy environments and a powerful alternative to Oracle Exadata.

Escala   BullSequana SH

Leveraging Eviden's Comprehensive Oracle Knowledge for Business Success

Eviden has a strong alliance with Oracle giving us in-depth expertise in Oracle products. Eviden and Oracle have successfully implemented numerous projects worldwide, leveraging business-focused consultants to ensure seamless integration, minimize risks, and accelerate turnaround time.

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About Eviden [1]

[Eviden](#) is a next-gen technology leader in data-driven, trusted and sustainable digital transformation with a strong portfolio of patented technologies. With worldwide leading positions in advanced computing, security, AI, cloud and digital platforms, it provides deep expertise for all industries in more than 47 countries. Bringing together 47,000 world-class talents, Eviden expands the possibilities of data and technology across the digital continuum, now and for generations to come. Eviden is an Atos Group company with an annual revenue of c. € 5 billion.

About Atos

Atos is a global leader in digital transformation with c. 92,000 employees and annual revenue of c. € 10 billion. European number one in cybersecurity, cloud and high-performance computing, the Group provides tailored end-to-end solutions for all industries in 69 countries. A pioneer in decarbonization services and products, Atos is committed to a secure and decarbonized digital for its clients. Atos is a SE (Societas Europaea) and listed on Euronext Paris.

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