



Solving Oracle Database business challenges with Escala & BullSequana SH



Efficiently manage Oracle Database

Business-critical applications depend on Oracle Database 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. Therefore, reducing these costs has become a primary objective for many CIOs.



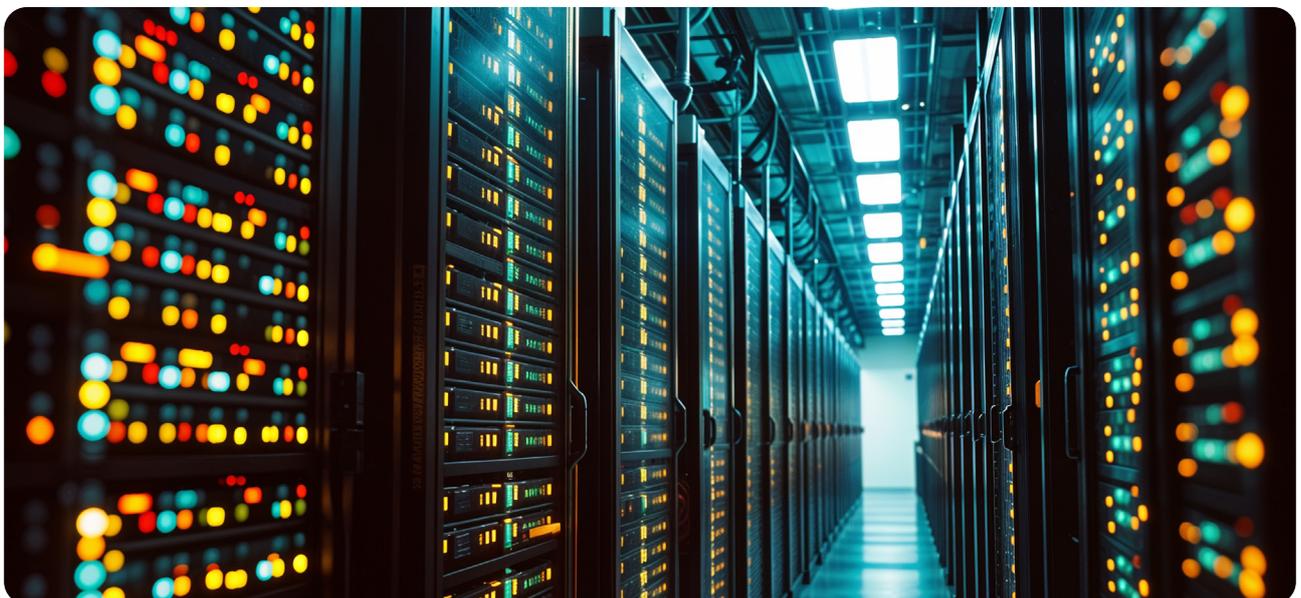
Manage workload peaks and handle new workloads efficiently

Database servers are often oversised 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 Database

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



Optimise 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 virtualisation:** Consolidate Oracle workloads on a single system using efficient virtualisation, 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 optimise your resources.



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 virtualised environments.
- **Customisation:** 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 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:** Use 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.



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.

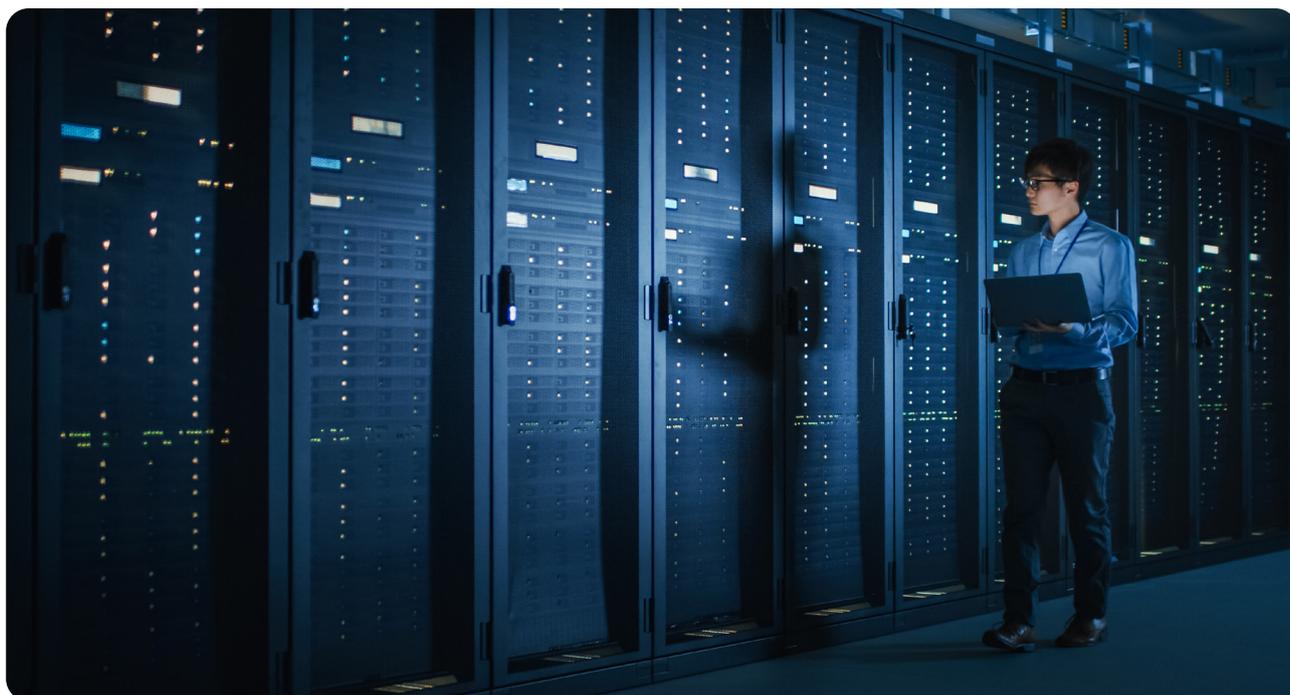
- **Escala servers:** Designed for data centre consolidation of UNIX servers hosting Oracle business applications on AIX, offering unparalleled virtualisation capabilities.
- **BullSequana SH:** Tailored for data centre consolidation of Oracle applications hosted on x86 Linux servers, providing the best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

Escala

BullSequana SH

Leveraging Bull's comprehensive Oracle knowledge for business success

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





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