

Positioning paper

Solving common Oracle Database business challenges with Escala & BullSequana S

Trusted partner for your Digital Journey

Atos

In many enterprises, business critical applications rely on Oracle databases whether for online transaction processing (OLTP), for online data processing analytics (OLAP), for data warehouse (DW) or for mixed environments. It is difficult to do without. Nevertheless, with the explosion of the volume of data is a real challenge for IT leaders to manage these databases properly at maximum performance and to cope with increasing Oracle license and support costs.

Oracle software costs that consume a large part of the IT budget

When choosing an Oracle database solution, ongoing costs related to Oracle software are unavoidable and represent a large part of the TCO. However, for many CIOs reducing these costs is becoming a leading objective.

Performance that degrades over time

As data volumes, number of users and database instances grow, performance tends to deteriorate over time. Scale-out server clustering is a solution often deployed to overcome this issue. However, this architecture cannot efficiently manage data-centric applications such Big Data and Analytics that require maximum adjacent resources, large caches and lots of RAM. In addition, this adds management complexity with a profusion of commodity servers and the need for the costly Oracle RAC option. Choosing cost-effective hardware will shift costs from hardware to expensive Oracle software without the expected performance.

Difficulty to manage workload peaks and handle new workloads efficiently

In many cases, database servers are oversized to be able to handle workload peaks efficiently. Furthermore, it is common to add a new server when needed to host new workloads. In both cases this involves more cores to process, driving up license and support costs.



Escala and BullSequana S integrated systems the best platforms for Oracle databases

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

Lower license, support and operational costs: the foundation for better TCO and faster ROI

- Processors with excellent performance per core, allowing to run Oracle workloads with fewer cores and/or less hardware. This means less Oracle Database license and support costs.
- Efficient virtualization for consolidation of Oracle workloads on a single system without compromise. Fewer servers reduces infrastructure complexity and footprint, administration and operational costs.
- Hard partitioning for licensing only the cores that are running the databases.
- High availability ensured without the expensive and complex Oracle RAC option.
- Inline storage features at no additional cost. No Oracle Storage software required, contrary to Oracle Exadata Database Machine or Oracle SuperCluster.

Superior and smooth scalability: start small and grow as you need with innovative modular architectures.

No performance issues when database size, number of users or instances increase. No over-provisioning.

High performance: thanks to state-of-the-art technologies at server and storage level.

- Escala and BullSequana S servers benefit from very powerful processors, large amounts of main memory on a single system, integrated NVMe flash, leading-edge I/O for very low latency and large traffic bandwidth.
- Best of breed flash-array storage providing very high IOPS (I/O per second), very low latency (<1 ms) and supporting very large capacity.

Maximum flexibility and investment protection to fit your needs

- Bare metal or virtualized.
- Integrated systems or Tailored Datacenter Integration (TDI).
- Choice of processor and storage.
- Co-location of Oracle databases and mission critical applications.
- Support of old Oracle Database versions.

High availability to ensure business continuity

- Mainframe-class reliability with advanced built-in RAS features.
- Continuous data protection and availability with automated failover and disaster recovery functionalities.

A solution for every need

Depending on your business strategy, your applications and your skills, you have the choice of right-sized enterprise systems matching your current and future needs.

- Escala servers, designed for data center consolidation of UNIX servers hosting Oracle business applications available on AIX™. They deliver unprecedented scope for virtualization.
- Database by BullSequana#Oracle integrated systems designed for data center consolidation of Oracle applications hosted on x86 Linux servers. They also provide the best Linux alternative for UNIX customers who decide to move from their legacy environment.

Whatever your choice, you can evolve your Oracle ecosystem at your own pace.

Supported by worldwide and impressive Oracle expertise

With over 15 years of partnership with Oracle, Atos has acquired in-depth Oracle product expertise and is recognized as an Oracle Platinum partner. Atos and Oracle have successfully implemented many projects together worldwide with business-focused consultants to ensure seamless integration that minimizes risks and increases turnaround time.



About Atos

Atos is a global leader in digital transformation with over 110,000 employees in 73 countries and annual revenue of over € 11 billion.

European number one in Cloud, Cybersecurity and High-Performance Computing, the Group provides end-to-end Orchestrated Hybrid Cloud, Big Data, Business Applications and Digital Workplace solutions.

The group is the Worldwide Information Technology Partner for the Olympic & Paralympic Games and operates under the brands Atos, Atos Syntel, and Unify. Atos is a SE (Societas Europaea), listed on the CAC40 Paris stock index.

The purpose of Atos is to help design the future of the information technology space. Its expertise and services support the development of knowledge, education as well as multicultural and pluralistic approaches to research that contribute to scientific and technological excellence. Across the world, the group enables its customers, employees and collaborators, and members of societies at large to live, work and develop sustainably and confidently in the information technology space.

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Let's start a discussion together

