

# powering extreme performance in computing environments

## Introducing the EPCe solution from Atos and Oracle

**Pressures on an organization's IT infrastructure continue to grow: Big Data, reduced budgets, a shift to the cloud, and increasing user demands - to name just a few.**

**Attempting to adapt already complex IT environments to cope with these new requirements often comes at a price: computing performance. To optimize existing investment, any significant change to the IT estate must be supported by a strong business case and achieved with minimal disruption of day-to-day operations.**

**Working in close partnership, Atos and Oracle are ideally positioned to help enterprises meet these challenges. By maximizing the performance of your IT estate via flexible managed services that deliver faster data processing, more agility and simplified IT management at a lower total cost of ownership, we can transform the way you work. We call it the Extreme Performance Computing environment.**

Extreme Performance Computing environment (EPCe) is a unique high performance computing solution, created by Atos, that delivers agility, extreme performance and high compression for major IT landscapes as a hosted service - with Oracle Engineered Systems at its core.

EPCe harnesses a powerful combination of the speed and strength delivered by Oracle's leading and innovative Engineered Systems, with Oracle Exadata at its core, and the managed services, consulting, systems integration and business process expertise of Atos.

The benefits speak for themselves:

### Extreme Performance for End Users

- ▶ The latest Oracle technologies give you faster access to data, so you can concentrate on your business.
- ▶ Data processing can be 5 to 30x faster, speeding up your core business processes for improved productivity.
- ▶ Super-fast analytical capabilities make it easier to respond to market trends and to offer enhanced customer service.
- ▶ And you will need fewer servers, reducing floor space and saving on energy consumption.

### Lower TCO and Faster ROI for the Enterprise

- ▶ By moving from a Capex to an Opex model you benefit from a rapid return on investment.
- ▶ Extreme data compression means storage and network requirements are just a fraction of current costs.

### Agility for Business Operations

- ▶ Atos services ensure a fast and effective implementation to help you secure the maximum benefit from your investment.
- ▶ Faster processing speeds mean a quicker time to market and improved responsiveness.
- ▶ Rapid provisioning speeds up business application development so end users can be more productive.

### Simplicity for IT

- ▶ With specialist Atos services and state-of-the-art Oracle technology, IT spends less time fine-tuning business applications.
- ▶ Oracle Engineered Systems offers standardized components so there are no integration issues.

### Why EPCe

- ✓ Reduced TCO: Opex not Capex
- ✓ Scalability, high availability and security
- ✓ Sustainability embedded
- ✓ Faster time to market from extreme performance:
  - ✓ Up to 150x faster computing
  - ✓ 30x faster batch processing on average
  - ✓ 10x higher data compression possible

- ▶ Faster performance means easier handling of Big Data and enhanced business continuity planning.

An integrated approach is key to unlocking the full potential of Oracle technologies and applications and how these can be tailored to your specific needs. As the all-inclusive service provider for Oracle, Atos has full expertise and accreditation across Oracle's complete product portfolio.

EPCe also offers a risk-free and high-speed solution for improving the performance and reducing the TCO of Oracle Database landscapes under SAP.

As an Oracle Platinum Partner and leading IT service provider for SAP, Atos, therefore, is best placed to provide the full range of IT outsourcing services for infrastructure, applications and ongoing user support that are needed to deliver extreme performance computing.

# Extreme performance to transform your business environment

## EPCe in Action

EPCe uses an integrated stack approach based on Oracle Exadata and other innovative Engineered Systems, including Oracle Exalogic, Oracle Exalytics, Oracle SPARC SuperCluster, Oracle Big Data Appliance, tooling and automation. By applying the consulting, systems integration and business process expertise of Atos managed services to this integrated stack approach, EPCe consolidates and standardizes the IT infrastructure, offering greater efficiency and faster access to business information while minimizing risk and shortening the provisioning cycle.

From the point at which it is implemented, EPCe gives you a single management platform for your IT architecture as well as automated tooling and a self-service Atos Portal for optimum agility. With enhanced integration and a reduced need for IT support, EPCe provides a high performance IT infrastructure that will transform your enterprise to meet today's IT challenges.

### Oracle Exadata

The only database machine that provides extreme performance for both data warehousing and online transaction processing applications, with 5 to 30x faster batch jobs and compression rates of 5 to 10x the average.

### Oracle Exalogic

Offers unprecedented levels of performance to run mission-critical applications, including Oracle Applications, Java and third-party business applications.

### Oracle Exalytics

Delivers extreme OLAP performance from in-memory processing of the Oracle BI Suite, providing quick analytical capabilities and faster customer responses.

### Oracle SPARC SuperCluster

The first general-purpose engineered system with an optimized package of servers, storage and software for higher performance, availability, scalability and security.

### Oracle Big Data Appliance

An integrated Big Data solution optimized for acquiring, organizing and loading unstructured data into Oracle Database.

### Oracle Enterprise Manager (OEM)

A powerful set of tools to streamline IT management, tailored to Oracle Engineered Systems.

“Simplifying data storage... has enabled our prosecution officers to work more efficiently and effectively in the pursuit of justice.”

Ton Reesink, Chief Information Officer, Openbaar Ministerie

### OracleVM

A complete server virtualization and management solution that facilitates the deployment and operation of your enterprise applications to reduce support costs while increasing IT efficiency and agility.

### Atos Portal

Rapid provisioning and integration for OracleVM plus an OEM toolkit for an agile development environment.

### Atos hosted Appliances as a Service

A hosted service under a 2 to 5-year contract term using proven high availability / disaster recovery architectures.

### Atos agile IT organization

Methodology for simplifying applications management, gaining greater agility and reducing FTEs per IT output using a powerful Atos toolset.

## Three Steps to Extreme Performance

### 1. The Solution Demonstration

We start by explaining the unique architecture of EPCe and how it will transform the performance of your IT estate.

### 2. The Atos TCO Scan

Building on our experience of more than 4,000 Oracle Database and 200 Oracle application management projects, Atos has developed a tool that can forecast the TCO savings you will make by switching to EPCe. This is a risk-free assessment based on a detailed interrogation of your existing IT estate and will show you everything from the average cost of a single server to storage expenditure per GB to environmental costs.

### 3. Proof of Concept

Using data from your TCO Scan we will work with your teams to develop a roadmap for transforming your business. This includes a proposal from Atos for delivering the latest Oracle Engineered Systems technology, implementation, consolidation of existing data warehouses and hosting Oracle applications.

## Atos and Oracle

Atos has the experience in architecture, design, migration, management and hosting of customers across the world. We currently manage more than 4,200 Oracle databases and over 200 Oracle applications. With over 1,500 skilled Oracle professionals across the world we bring together proficiency in core technology, including database and middleware, plus vertical and horizontal applications. The strong partnership between Atos and Oracle ensures that integrated stack solutions deliver on performance from a technological and business focus.

### Atos and Oracle: a partnership that speaks volumes

- ▶ More than 10 years of global strategic partnership history
- ▶ Over 1,500 Oracle certified Atos business technologists
- ▶ Combined 5,000+ man years of Oracle experience
- ▶ Over 15 awards in the last three years alone by Oracle and Oracle customers
- ▶ Top Oracle database hosting vendor with over 4,200 database hosted