Unleashing the Potential of Epic Clarity with Oracle Exadata

High performance. Delivered.
Managing the Healthcare Data Revolution

Hospitals nationwide are facing a common dilemma: Although electronic health records (EHRs) have greatly enhanced overall patient care, hospitals are rapidly becoming overwhelmed by the resulting surge in data—everything from patient admission records to clinical charts to complex regulatory reports.

To manage this revolution in healthcare data, many of the nation’s largest and most prestigious hospitals and health systems have turned to Epic—the market leader in EHR systems. In fact, with its comprehensive capabilities and market-proven reliability, Epic is swiftly becoming the industry-standard EHR system for hospitals and healthcare organizations nationwide.

But while Epic’s capabilities are unmatched, maximizing the system’s potential can pose challenges. Epic captures giant volumes of data in its built-in Clarity data warehouse—multiple terabytes on average—and the amount of information can grow quickly with every patient interaction. As a result, the underlying infrastructure can quickly become overloaded, slowing performance and impacting end-users’ ability to capture information, run reports and analyses, and make timely clinical and business decisions.

Moreover, tackling these challenges in a traditional multi-vendor IT environment can strain the capacity of IT and hospital managers, who are struggling to balance cost pressures with growing Electronic Medical Records (EMR) adoption, not to mention meeting external demands such as merger and acquisition initiatives.

Unleashing Epic Clarity’s Potential with Oracle Exadata

Harnessing this runaway data growth and volatility requires a new approach to managing IT infrastructure. This is where Oracle Exadata Database Machine—the industry’s highest-performing and most-scalable platform for running Oracle Database—can play a valuable role. Engineered from the ground up to optimize massive, I/O-intensive database environments like Epic Clarity, Oracle Exadata has become the platform of choice for many of the nation’s leading hospitals and healthcare organizations.

Extreme Performance

Organizations that were running Epic Clarity on commodity or legacy IT systems are experiencing dramatic improvements in performance with Oracle Exadata—with queries running as much as 50–100 times faster in many cases. The reason: Oracle Exadata’s modern architecture, which integrates industry-standard database servers, scale-out intelligent storage, state-of-the-art PCI flash storage, and an extremely fast InfiniBand internal fabric. It’s a complete platform engineered to run Epic Clarity on Oracle Database, without modification, at unprecedented speeds.

Streamlined Management and Scalability

Running Epic Clarity on Oracle Exadata is now a much less burdensome task compared to patchwork alternatives. That’s because the whole procurement and administrative process is simplified—patching and testing is more predictable; configuration and performance-tuning tasks are minimized; and adding capacity to match system growth is all-but plug and play.

Lower Costs

The performance and operating efficiency gains delivered by Oracle Exadata means lower total ownership costs for your Epic Clarity system. In production, many organizations see a 50% reduction in storage costs alone, with 28% lower overall Total Cost of Ownership (TCO) compared to other platforms, aided by significantly lower IT operating costs.

Easy Migration

For Epic Clarity users running Oracle Database today, Oracle Exadata offers a straightforward, non-invasive migration path, requiring no changes to your existing Epic Clarity system. Plus, you can gain even more efficiencies by consolidating other data warehouses, Enterprise Resource Planning (ERP) systems, and Online Transaction Processing (OLTP) databases on the same Oracle Exadata box.

Ensuring Success

In collaboration with Oracle, Accenture has created a compelling set of tools and capabilities that help organizations accelerate returns on their Oracle Exadata investment. From initial assessment to post-deployment operational services, Accenture works closely with clients to deliver more effective healthcare solutions that maximize the value of their Oracle and Epic environments.

Readiness Assessment

Accenture will review your current Epic Clarity infrastructure, database and application landscape to help you define short, mid- and long-term strategic and tactical roadmaps and develop a business case for how you can benefit by using Oracle Exadata in your ecosystem.

Migration Planning and Implementation

Accenture takes a collaborative approach with clients to design a critical-path plan for migrating Epic Clarity to Oracle Exadata without disrupting ongoing operations.

Post Migration Rationalization

After completing the migration, Accenture will ensure that your Oracle Exadata platform performs up to its potential for your specific Epic Clarity database landscape.

Managed Services

From day-to-day database administration to periodic upgrades, patching and tuning, Accenture offers ongoing managed services that help control costs while ensuring superior stability, scalability, performance and availability for your business over the long term.

A Holistic Approach

Accenture's approach is underpinned by a broad portfolio of tools and methodologies designed to speed value realization and reduce risk:

- Accenture’s Oracle Exadata Migration Methodology and Toolkit typically reduces Oracle Exadata migration efforts by up to 50 percent.
- Accenture Foundation Platform for Oracle is a pre-built, pre-tested architecture for Oracle Fusion Middleware that enables clients to leverage development dollars more effectively for implementations using Oracle Engineered Systems.
- Accenture’s Database Healthcheck consists of a non-intrusive discovery of databases within a datacenter to develop a tactical and strategic database technology roadmap.
- Accenture’s Oracle Exadata Sizing and Provisioning Tool provides methodologies and processes for accurately sizing Oracle Exadata platforms based on both current needs and future capacity requirements.

Test Before You Invest

Before investing in an Oracle Exadata platform for Epic Clarity, you can test your workloads at Accenture’s Innovation Center for Oracle Engineered Systems. Located in Dallas, TX, this state-of-the-art lab is available to conduct proof-of-concept trials running your Epic Clarity data on Oracle Exadata in a highly secure, HIPAA-certified environment, allowing you to experience the benefits Exadata provides first hand.

Accenture also offers three additional Innovation Centers for Oracle technologies in Redwood Shores, California, Tokyo, Japan and Bangalore, India.

Oracle Exadata: Designed from Ground Up to Optimize DB Performance

- Easy to deploy: pre-configured servers, storage, network and memory
- Runs standard Oracle Database: no proprietary software interfaces
- Extreme performance: moves DB intelligence to storage layers
- Storage savings: 10X-15X typical compression ratios
- Optimized for all database applications

Why Accenture

Backed by 52,000 Oracle-skilled professionals, 20,800 infrastructure specialists and a 23-year track record of delivering large-scale data center transformations, Accenture is a pioneer in designing, building and running Oracle Engineered Systems solutions at scale across the entire Oracle technology stack. Our world-class global delivery capabilities and flexible sourcing options give clients market-competitive prices that balance their needs, risk tolerance and budgets.

Accenture Enkitec Group

With the acquisition of Enkitec, Accenture now offers unrivaled Oracle Exadata expertise and experience. Based in Dallas, TX, Accenture Enkitec Group is the worldwide leader in Oracle Exadata implementations, with more than 500 successful engagements globally. Clients can leverage hundreds of skilled Oracle Engineered Systems experts.

Accenture Insight Driven Health

The world’s leading healthcare providers and health plans choose Accenture for a wide range of insight driven health services that help them use knowledge in new ways—from the back office to the doctor’s office. Committed professionals combine real-world experience, business and clinical insights and innovative technologies to deliver the power of insight driven health. For more information, visit: www.accenture.com/insightdrivenhealth.
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About Accenture

Accenture is a leading global professional services company, providing a broad range of services and solutions in strategy, consulting, digital, technology and operations. Combining unmatched experience and specialized skills across more than 40 industries and all business functions—underpinned by the world’s largest delivery network—Accenture works at the intersection of business and technology to help clients improve their performance and create sustainable value for their stakeholders. With approximately 375,000 people serving clients in more than 120 countries, Accenture drives innovation to improve the way the world works and lives. Visit us at www.accenture.com.

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