



Oracle E-Business Suite on Cisco Unified Computing System

Cisco provides and expands a broad set of data center infrastructure solutions that maximize business impact, and deliver dynamic, cost-effective operation, of Oracle applications, systems, and databases. For global enterprise, service provider, and mid-market customers who want to optimize their IT investments in infrastructure, applications, and networks, the combination of Cisco® and Oracle technologies provides differentiated, end-to-end solutions that help improve functionality and performance. The joint solutions are highly available, scalable, and secure, while minimizing deployment risks, complexity, and total cost of ownership (TCO). Cisco and Oracle are uniquely positioned as global leaders in technology and services to provide this benefit to many shared customers.

The Challenge for Modern Data Centers

Modern data centers thrive on a combination of scalable performance, energy efficiency, and highly optimized enterprise applications. However, with more than 70 percent of IT budget today being spent to maintain and manage existing infrastructure (*Forrester, December 2008*), IT organizations must continually increase resources devoted to support growing demands, cope with increasing complexity, and improve service delivery from an inflexible infrastructure. IT infrastructure needs must be fulfilled, while simultaneously delivering business value and low TCO.

Oracle E-Business Suite is optimized to take full advantage of the capabilities of the Cisco Unified Computing System™, the industry's next-generation data center platform. Oracle E-Business Suite on the Cisco Unified Computing System is a solution designed to deliver new

reliable and secure services, and meet end-end provisioning demands in rapidly changing business environments. The value proposition for Oracle's E-Business Suite has been built around three key areas:

- Comprehensive industry portfolio: Delivers more value with less complexity
- Open standards-based architecture: Provides customers with more choice and minimizes risk
- Integrated solution that can interoperate with existing environments: Provides flexibility and preserves investments

Oracle E-Business Suite Release 12.1 provides organizations of all sizes, across all industries and regions with a global business foundation that reduces costs and increases productivity through a portfolio of rapid value solutions, integrated business processes, and industry-focused solutions. Oracle E-Business Suite offers several key benefits, including achieving rapid value with standalone solutions that are complementary to an 11i or 12 environment; using E-Business Suite components, such as Value Chain Planning solutions with Oracle Supply Chain Management or strategic sourcing with Oracle Sourcing on Demand, quick ROI with pay-for-performance management using Oracle Incentive Compensation; and reducing deployment time with analytics seamlessly integrated to transaction systems. Additional benefits include standardization and simplification of integrated business processes that reduce cost and minimize complexity with solutions such as Talent Management and Landed Cost Management solutions. Other purpose-built industry E-Business Suite solutions drive greater value across the enterprise and help to lower overall TCO.

In summary, Oracle E-Business Suite enables customers to:

- Achieve rapid value today with standalone solutions that are complementary to an existing 11i or R12 environment
- Invest in standardizing and simplifying operations with integrated business processes that reduce cost and complexity
- Strengthen their competitive positions with purpose-built industry solutions that drive greater value across the enterprise

Cisco Unified Computing System: An Optimal Platform for the Oracle E-Business Solution

The Cisco Unified Computing System helps IT increase performance for Oracle solutions, with fast access and navigation, quick downloads, and high scalability. Cisco's unified data center

technologies help fulfill the Cisco Data Center 3.0 vision of unifying data center infrastructure, simplifying data center operations, and amplifying business results through IT agility.

The Cisco Unified Computing System is the next-generation data center platform that unifies network, compute, storage access, database, and virtualization resources in a single cohesive system. By streamlining data center resources, scaling service delivery, and radically reducing the number of devices requiring setup, management, power for cooling, and cabling, the Cisco Unified Computing System:

- Reduces TCO
- Increases business agility
- Improves productivity

Figure 1. Cisco Data Center 3.0

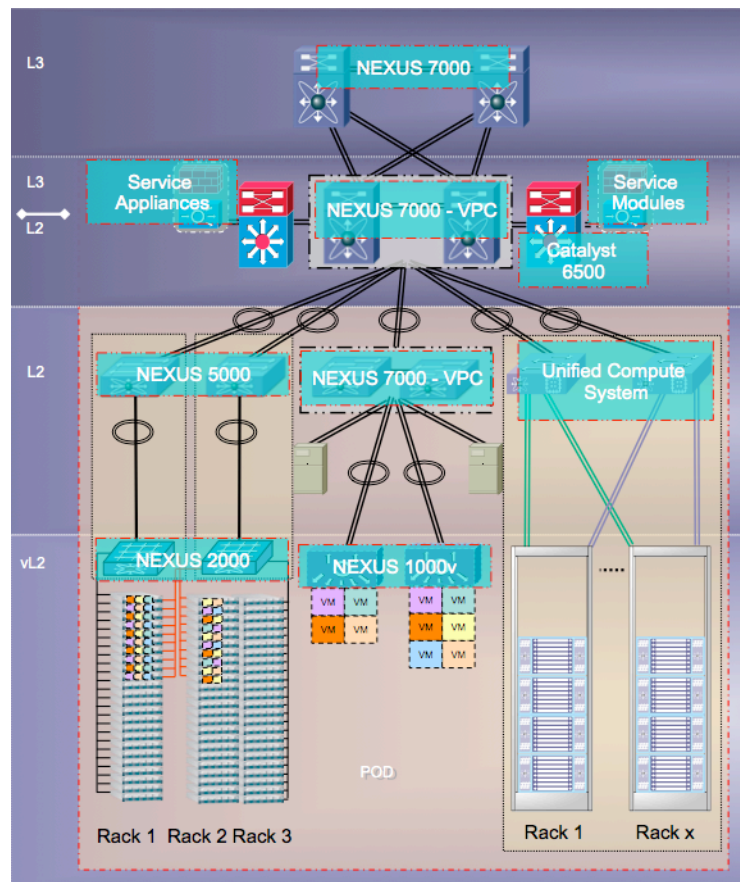
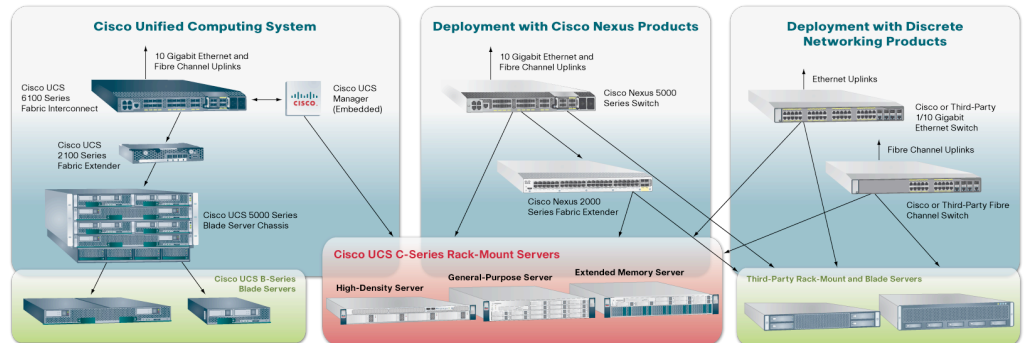


Figure 2. Cisco Unified Computing System

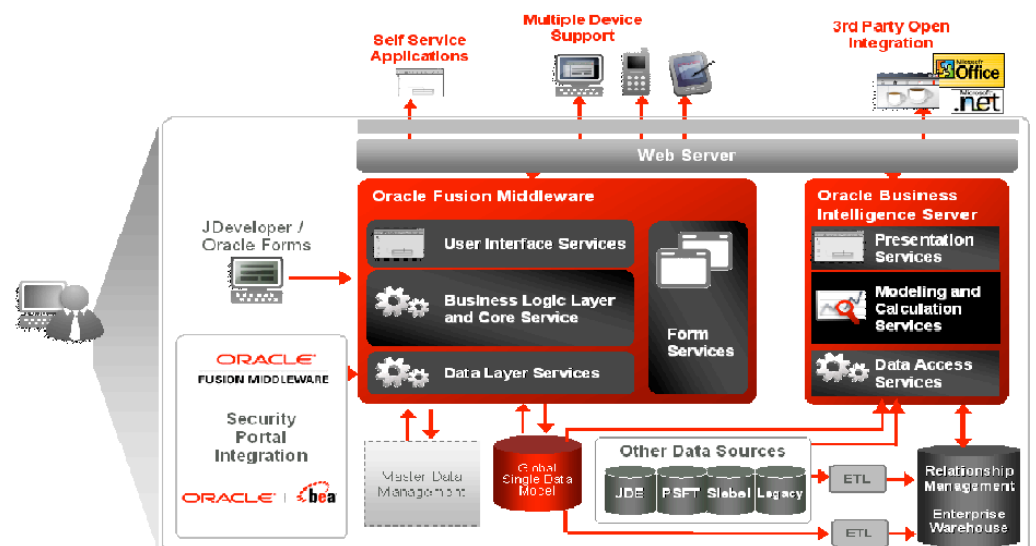


Use Case: Deployment of E-Business Suite on Unified Computing System

Oracle's green initiative is focused on modifying business practices and using technology to drive energy savings. Hence, the choice of the Cisco Unified Computing System as the platform of choice for Oracle's E-Business Suite is consistent with corporate objectives—to deliver high-performing, reliable applications within an architectural framework designed for optimal resource utilization and energy efficiency. Faster return-on-investment (ROI) and green industry initiatives have driven customer trends towards deployment of Oracle E-Business Suite solutions on Cisco's unified fabric.

A use-case dealing with Oracle E-Business Suite 12.1 implementation on the Cisco Unified Computing System has been designed to highlight the benefits of a highly available E-Business Suite deployment supported by Oracle Real Application Cluster (RAC) technology for enhanced high availability and performance. The middle tier could consist of various application and web services (as shown), enabled via Configurators and Concurrent Managers, and supported by a highly-available Oracle Database 11g with RAC.

Figure 3. Oracle E-Business Suite implemented on Cisco Unified Computing System



For More Information

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In addition, this use case reinstates consolidation, lowering TCO and ease of deployment and provisioning of Oracle E-Business Suite on the Cisco Unified Computing System.

Many of Cisco's mission-critical functions rely on Oracle solutions. As Cisco IT migrates its applications to a new data center to help reduce costs, improve power efficiency, accelerate service delivery, and more easily align IT capabilities with business requirements, it is migrating its Oracle solutions as well.

Cisco IT has deployed Oracle RAC, a cluster database with a shared cache architecture in its new data center. Cisco's award-winning patented application-specific integrated circuit maps the capacity of physical memory to four times that capacity in logic, delivering four times the memory capacity for the same price or four times the physical capacity normally available in hardware. High-intensity memory allows Cisco to more cost-effectively operate multiple applications and databases on the Cisco Unified Computing System's architecture. By using servers with high-capacity memory features and taking advantage of the Cisco Unified Computing System's loss-less low-latency fabric with the memory-extended footprint, up to eight nodes have been deployed. Cisco has moved its production Oracle database and key applications, including Office of the Chairman, News@cisco, legal applications, and financial applications to the Cisco Unified Computing System platform.

Reducing Costs

The Cisco Unified Computing System reduces the TCO by streamlining data center resources. Significantly fewer racks and servers proportionately reduce energy and cabling costs.

Making High Productivity Simple

Simply reducing the number of devices that require setup and management saves time for IT. However, because the Cisco Unified Computing System is policy-driven, every chassis in a data center can run any Oracle solution. There is no need to specially configure any chassis or any blade within a chassis for Oracle, allowing IT to arrange for an Oracle deployment anywhere, on any platform, within any given data center.

Built-in Disaster Recovery

With no specific relationship of an application to hardware or blades and applications, helping ensure business continuity is much easier. If a blade goes down, that application or database can be run on another blade that was not impaired.

Advanced Security

The Cisco Unified Computing System and Oracle solutions are placed into a common management database, making them inherently more secure than purely physical implementations. IT instantly knows exactly what is deployed, how it is running, and every application that is running on every system.

Leading Virtualization Strategies

Oracle's virtualization strategy, featuring OracleVM, makes the choice for deployment of E-Business Suite on the Cisco Unified Computing System platform very compelling—especially with non-mission critical environments supporting homogeneous workloads with liberal SLAs.

Certifications

Cisco is part of the Oracle Validated Configuration and Certification Programs.

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