

Cisco Unified Computing System Integration with Oracle E-Business Suite R12



The Cisco Unified Computing System™ is the next-generation data center platform.

Designed to improve IT responsiveness to rapidly changing business demands, it accelerates the delivery of new services simply, reliably, and securely, through end-to-end provisioning and migration support for both virtualized and non-virtualized systems. Oracle E-Business Suite can take full advantage of the capabilities of the Cisco Unified Computing System.

Company Overview

Cisco is the worldwide leader in networking that transforms how people connect, communicate and collaborate. Today, networks are an essential part of business, education, government and home communications. Cisco also continues to provide and expand a broad set of data center infrastructure solutions for maximizing the business impact and dynamic, cost-effective operation of Oracle technologies. Cisco and Oracle are uniquely positioned as global leaders and partners in technology and services to provide benefits to many shared customers.

Integration Overview

The Cisco Unified Computing System is a next-generation data center platform that unites compute, network, storage access, and virtualization into a cohesive system designed to reduce total cost of ownership and increase business agility. Designed to improve IT responsiveness to rapidly changing business demands, it accelerates the delivery of new services simply, reliably, and securely, through end-to-end provisioning and migration support for both virtualized and non-virtualized systems. The system integrates a low-latency, lossless 10 gigabit ethernet (GE) unified network fabric with enterprise-class, x86-architecture servers. The system is an integrated, scalable, multichassis platform in which all resources participate in a unified management domain.

Cisco partners with Oracle to provide innovative solutions for our global enterprise, service provider and mid-market customers that enable rapid business transformation and improve performance in the data center. Oracle's comprehensive solutions, including Oracle Database and Oracle E-Business Suite, combined with the Cisco Unified Computing System, provide significant value through a modular, standards-based, high-performance unified fabric, improved memory capacity, reduced power consumption, and overall lower total cost of ownership. Together, Cisco and Oracle deliver the data center of the future today.

Integration Benefits

Oracle E-Business Suite running on the Cisco Unified Computing System will unite computing, network, storage access, and virtualization resources into a cohesive system.

The Cisco Unified Computing System, based on industry standards, is designed to streamline data center resources, scale service delivery and radically reduce the number of devices requiring setup, management, power/cooling, and cabling.

Oracle's E-Business Suite, running on the Cisco Unified Computing System, can reduce the total cost of ownership at the platform, site, and organizational levels and increase IT staff productivity and business agility through just-in-time provisioning and mobility support for both virtualized and non-virtualized environments.

Integration Configurations

The diagrams below describe the physical architecture of a typical Oracle E-Business Suite implementation (Figure 1), a typical Cisco Unified Computing System layout (Figure 2), and the Cisco Unified Computing System with EMC CLARiiON CX4-960 storage (Figure 3).

Figure 1. A Typical Oracle E-Business Suite Network Diagram

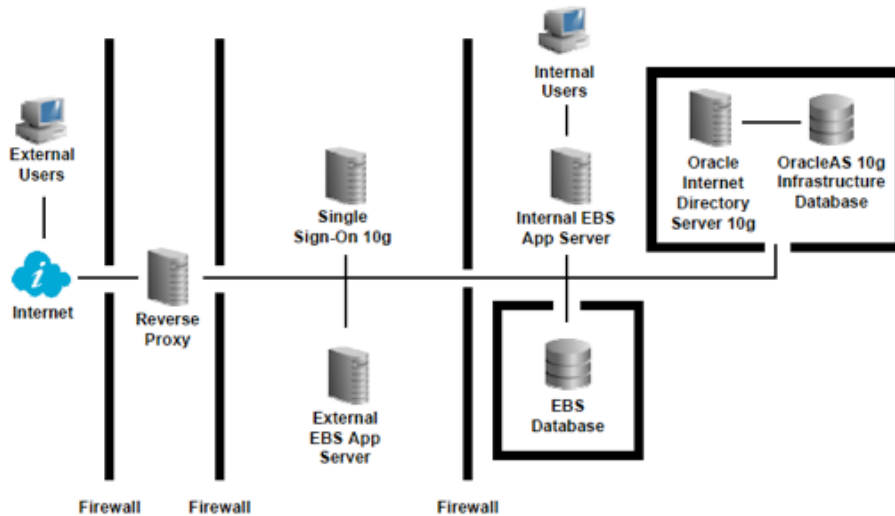


Figure 2. Cisco Unified Computing System Components and Products

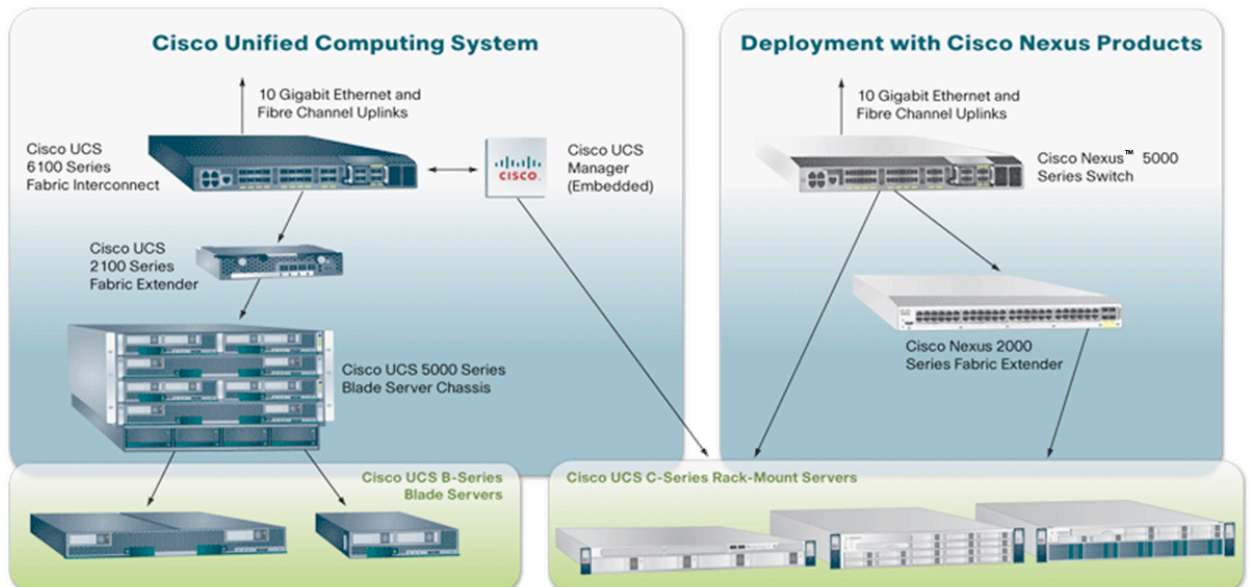


Figure 3. Cisco Unified Computing System and E-Business Suite R12 with EMC CLARiiON storage

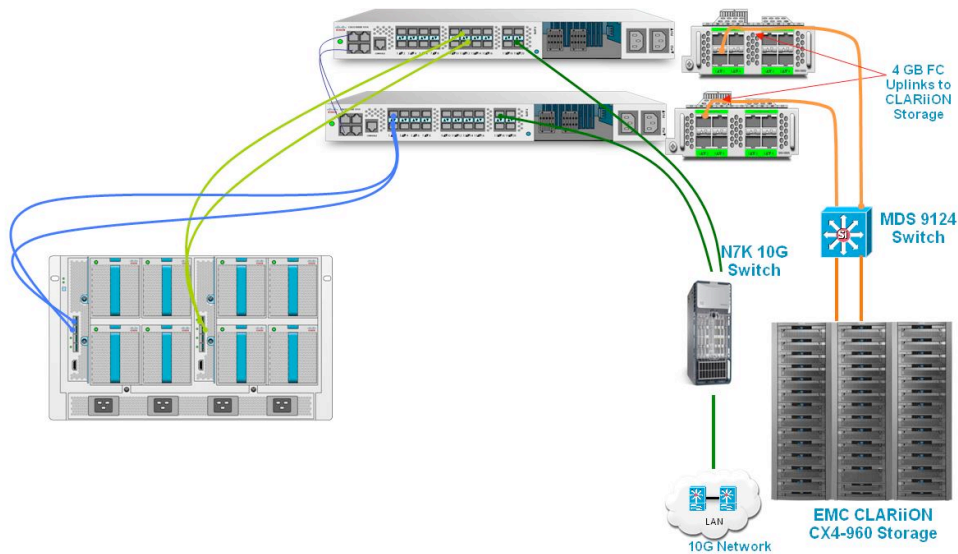


Figure 3 above illustrates an Oracle E-Business Suite R12 configuration with EMC CLARiiON CX4-960 storage and the Cisco Unified Computing System running Oracle Enterprise Linux Version 5.3. This is a scalable configuration and allows users to scale horizontally and internally in terms of processor, memory, and storage.

Integration Technology

Managed as a single system whether it has 1 server or 320 servers with thousands of virtual machines, this approach decouples scale from complexity. The Cisco Unified Computing System accelerates the delivery of new services simply, reliably, and securely through end-to-end provisioning and migration support for both virtualized and non-virtualized systems.

Cisco and Oracle are working to make Oracle's solutions interoperable with the Cisco Unified Computing System. This effort can help our mutual customers evolve to a unified data center where the network, computing, storage access, applications, and virtualization resources are delivered in a single cohesive system.

Environment

Cisco Environment

- Cisco Unified Computing System, Release 1.0
- EMC CLARiiON CX4-960 storage

Oracle Environment

- Oracle E-Business Suite R12
- Oracle Database 11g

Operating System

- Oracle Enterprise Linux Version 5.3

For additional information about the Cisco and Oracle alliance, please visit www.cisco.com/go/oracle and www.oracle.com/goto/cisco.



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