

## Cisco IT Migrated Critical Applications from HP Superdome to Cisco Unified Computing System

### BUSINESS BENEFITS

- Reduced data center space by a factor of 10
- Doubled power efficiency
- Reduced cable requirements by 1.5
- Increased business agility by enabling 15-minute server provisioning
- Accelerated performance for Oracle applications and SAP transactions

"Moving the Oracle and SAP environments to the Cisco Unified Computing System has been transformative. Performance increased, total cost of ownership decreased, and the conversion has been extremely smooth."

Jag Kahlon, IT Architect

New platform reduced TCO, increased business agility, and improved resiliency.

**Cisco is moving its production environment to Richardson, Texas.** Major goals include are minimizing total cost of ownership (TCO), acquiring adequate capacity for growth, ensuring business continuity, and enabling business innovation through rapid provisioning.

**To meet these goals, Cisco is consolidating to the x86 processor platform and two operating systems: Linux and Windows.**

Previously, approximately 200 HP Superdome and mid-range HP-UX servers in the U.S. and Europe hosted Oracle RAC and Oracle eBusiness Suite. In the Georgia data center, Cisco used HP-UX Itanium servers to host SAP ECC 6 and SAP Exchange Infrastructure (XI).

**To continue the journey to the private cloud, Cisco is systematically moving Oracle and SAP applications and databases from the HP-UX platforms to Cisco Unified Computing System.** Four Cisco UCS Blade Servers in Richardson houses the Oracle RAC 11g database, Goal to Commission (G2C) applications, and Cisco channel partner database. SAP ECC 6 and SAP XI operate on a Cisco Unified Computing System in Georgia, in a test environment.

**Cisco is saving on data center space, power, and cooling.** The four-node Cisco Unified Computing System occupies 10 times less space than the two-node HP Superdome it replaced, is 200 percent more power efficient, and uses 1.5 times fewer cables. Licensing, support, and maintenance costs are also lower on the x86 processor.

**Business agility has increased.** Deploying a new server takes 15 minutes, compared to six to eight weeks on HP Superdome.

**Cisco has improved resilience.** If a Cisco UCS blade server fails, Cisco can provision another server in a few minutes by applying a Cisco UCS Manager service profile, and then use VMware tools to move the application.

**Oracle and SAP application performance has increased, improving the user experience.** Response times for a G2C application decreased from 3.6 to 2.9 milliseconds. Average processing time for SAP Dialog transactions decreased from 217.7 to 90.7 milliseconds, and average processing time for SAP HTTP transactions decreased from 7.1 to 6.3 milliseconds.

### FOR MORE INFORMATION

To read the entire case study or additional Cisco IT case studies on a variety of business solutions, visit Cisco on Cisco: Inside Cisco IT [www.cisco.com/go/ciscoit](http://www.cisco.com/go/ciscoit)

## NOTE

This publication describes how Cisco has benefited from the deployment of its own products. Many factors may have contributed to the results and benefits described; Cisco does not guarantee comparable results elsewhere.

CISCO PROVIDES THIS PUBLICATION AS IS WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Some jurisdictions do not allow disclaimer of express or implied warranties, therefore this disclaimer may not apply to you.




Americas Headquarters  
Cisco Systems, Inc.  
San Jose, CA

Asia Pacific Headquarters  
Cisco Systems (USA) Pte. Ltd.  
Singapore

Europe Headquarters  
Cisco Systems International BV  
Amsterdam, The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at [www.cisco.com/go/offices](http://www.cisco.com/go/offices).

 CCDE, CCENT, Cisco Eos, Cisco Lumin, Cisco Nexus, Cisco StadiumVision, Cisco TelePresence, the Cisco logo, DCE, and Welcome to the Human Network are trademarks; Changing the Way We Work, Live, Play, and Learn and Cisco Store are service marks; and Access Registrar, Aironet, AsyncOS, Bringing the Meeting To You, Catalyst, CCDA, CCDP, CCIE, CCIP, CCNA, CCNP, CCSP, CVP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Collaboration Without Limitation, EtherFast, EtherSwitch, Event Center, Fast Step, Follow Me Browsing, FormShare, GigaDrive, HomeLink, Internet Quotient, IOS, iPhone, iQ Expertise, the iQ logo, iQ NetReadiness Scorecard, iQuick Study, IronPort, the IronPort logo, LightStream, Linksys, MediaTone, MeetingPlace, MeetingPlace Chime Sound, MGX, Networkers, Networking Academy, Network Registrar, PCNow, PIX, PowerPanels, ProConnect, ScriptShare, SenderBase, SMARTnet, Spectrum Expert, StackWise, The Fastest Way to Increase Your Internet Quotient, TransPath, WebEx, and the WebEx logo are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0807R)

(C) 2008 Cisco Systems, Inc. All rights reserved.