# Migrating Critical Applications from HP Superdome to Cisco Unified Computing System

## Lower TCO for Oracle and SAP

**Cisco on Cisco Case Study: Inside Cisco IT**

**March 2011**

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# Overview

- Challenge

  Build efficient, high-performance Oracle and SAP environment

- Solution

  Migrate from HP Superdome and mid-range HP-UX servers to Cisco Unified Computing System

- Results

  Lower TCO

  Increased business agility and resilience

  Faster performance

- Next Steps

  Continue migrating mission-critical ERP applications


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# Challenge

Build Efficient, High-Performance Oracle and SAP Environment

- Minimize total cost of ownership (TCO)
- Acquire adequate capacity for growth
- Ensure business continuity
- Support business innovation by accelerating IT provisioning


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# Solution

Migrate from HP Superdome and HP-UX to Cisco Unified Computing System

- Consolidate to the x86 processor platform

  Previously, Oracle RAC and eBusiness Suite resided on ~200 HP Superdome and mid-range HP-UX servers

  SAP ERP Central Component (ECC) 6 and SAP Exchange Infrastructure (XI) resided on HP-UX Itanium servers

- Consolidate to two operating systems: Linux and Windows


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# Solution

Migrated Oracle Goal-to-Commission (G2C) Database

- 4TB database
- Before: Superdome cluster with 32 cores
- After: Cisco Unified Computing System

  Virtualized web presentation layer and applications

  Oracle RAC 11g database on physical blade servers in same chassis

- Migration completed during one-hour downtime window, after careful preparation


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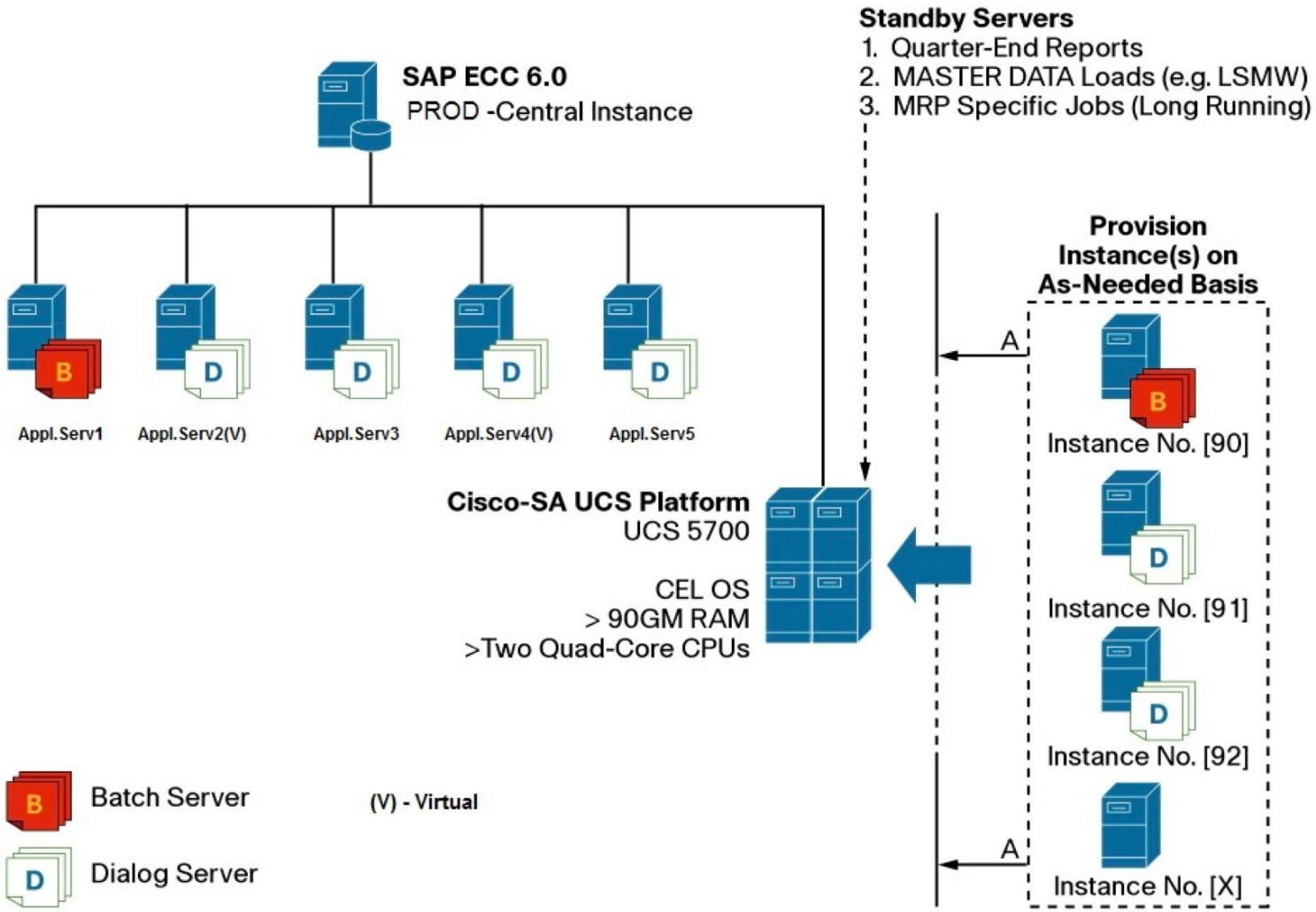
# Solution

## Migrated SAP ERP Environment





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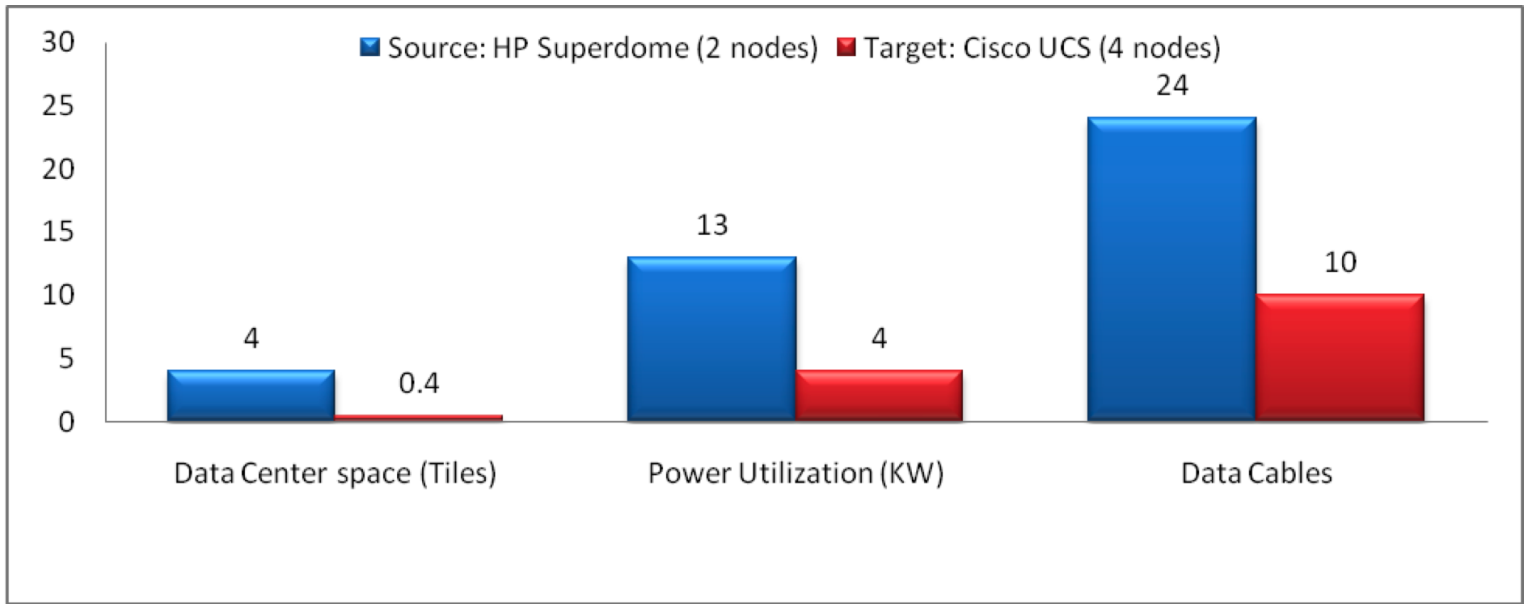
# Results

## Lower TCO




- Plus:
  - Lower licensing costs for x86 processor
  - Lower support and maintenance costs for x86 processor
  - Lower hardware costs by repurposing blade servers after the migration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# Results

## Increased Business Agility and Resilience

- Agility

  Deployment time decreased from 6-8 weeks to 15 minutes

- Resilience

  If a server fails, Cisco IT can provision any other available server in minutes by applying a Cisco UCS Manager service profile


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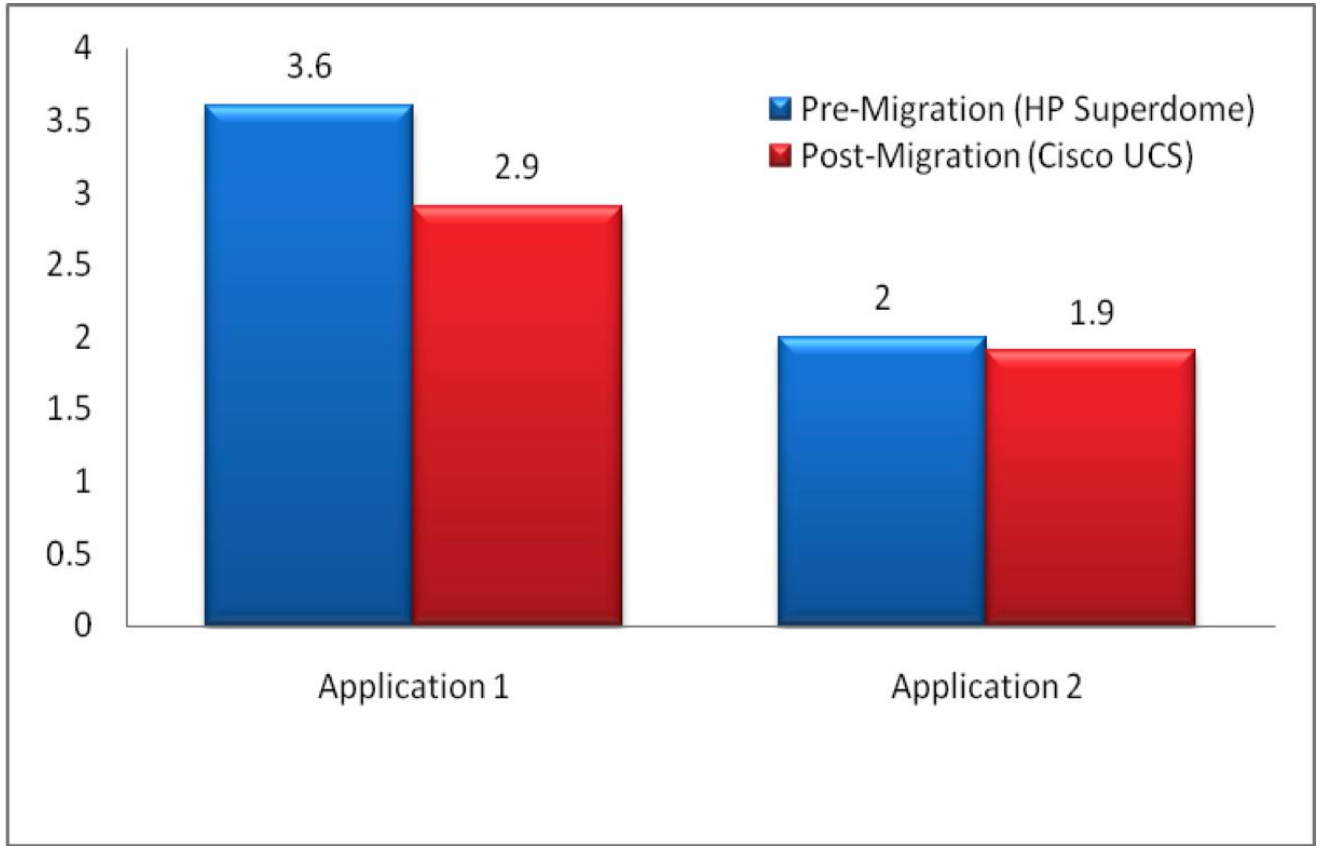
# Results

## Faster Oracle Application Response Time for G2C

Average time in milliseconds





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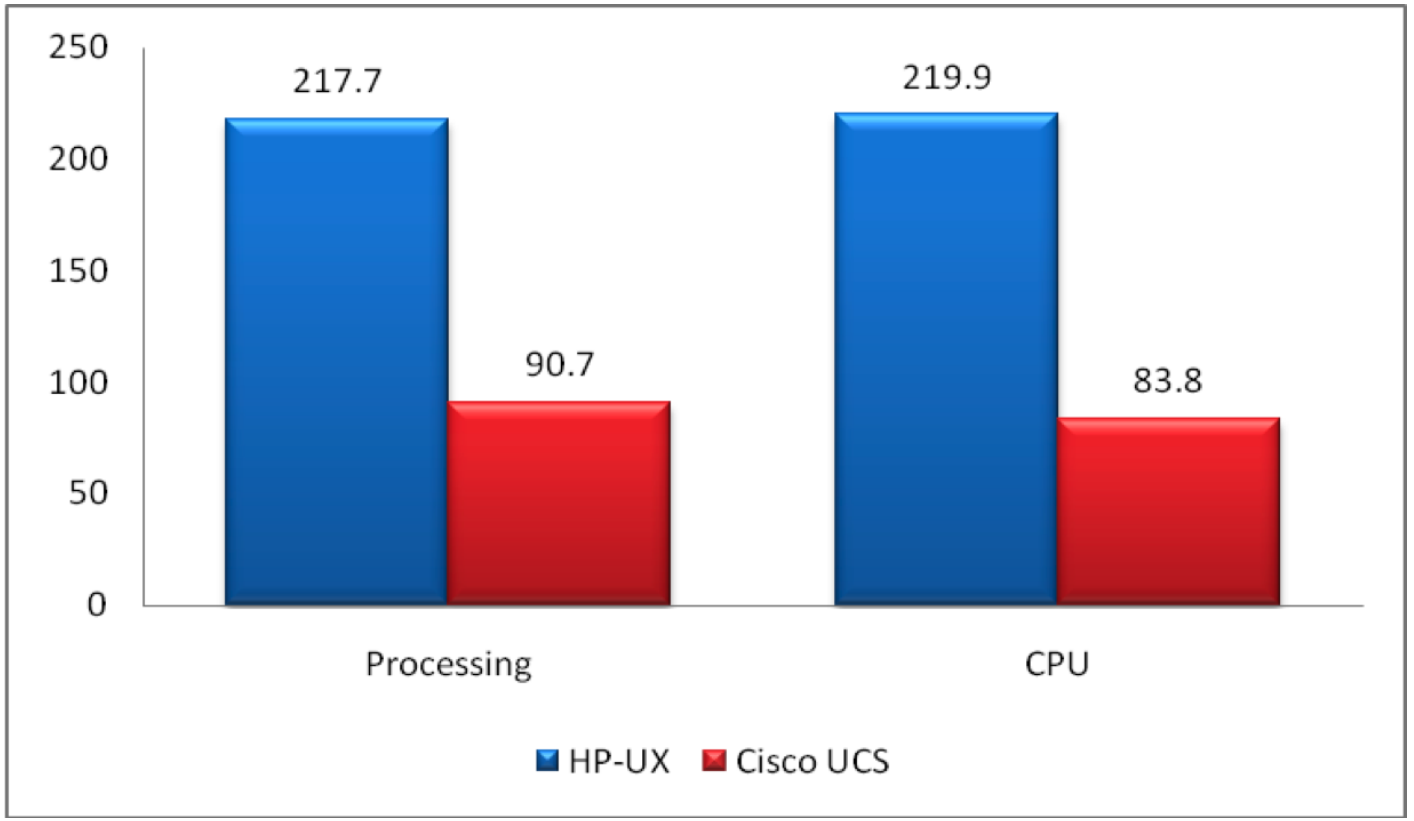
# Results

## Faster SAP Dialog Transactions

Average time in milliseconds





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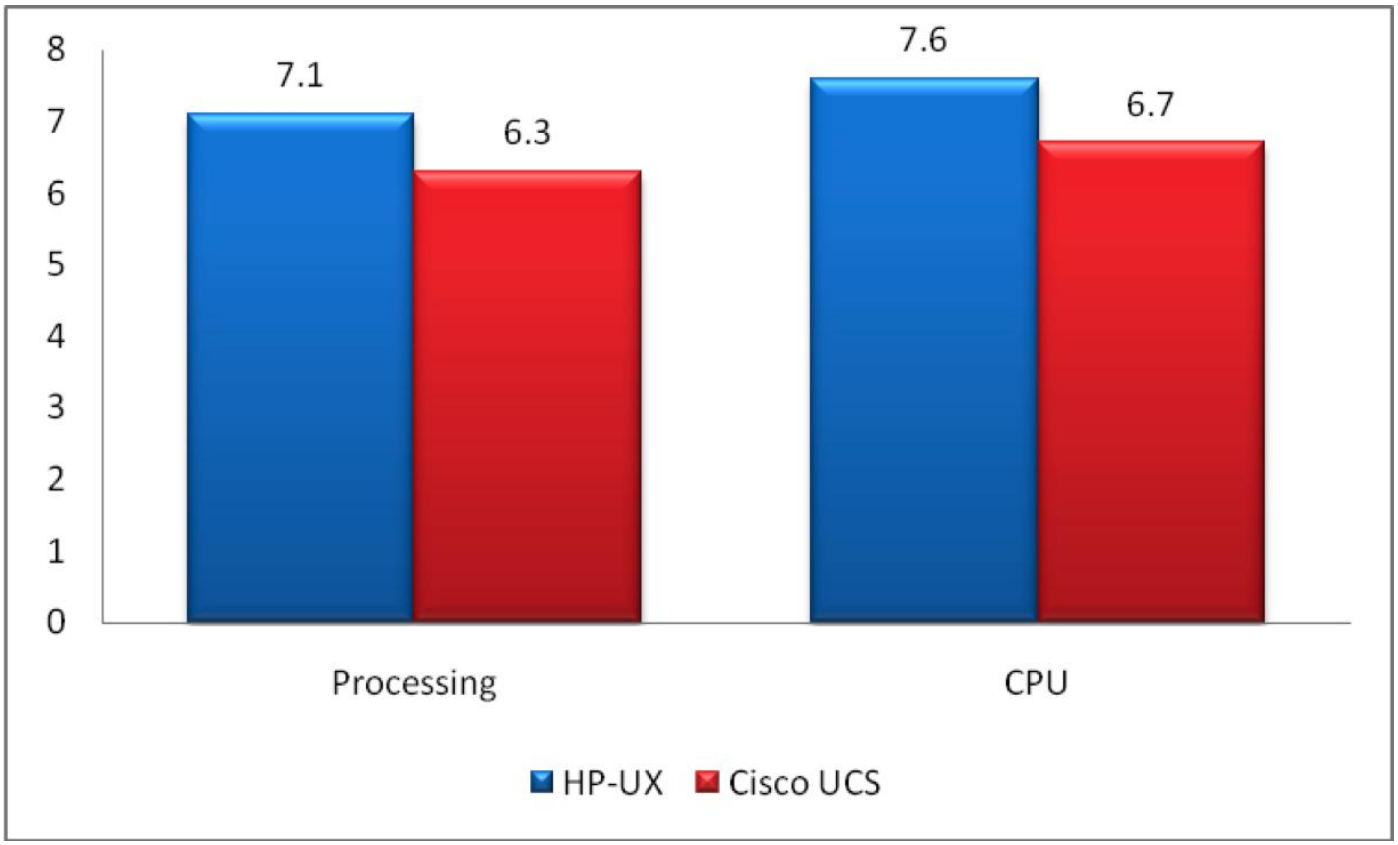
# Results

## Faster SAP HTTP Transactions

Average time in milliseconds





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"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
Cisco

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# Next Steps

Continue Migrating Mission-Critical ERP Applications

- Cisco Care Center
- Customer databases
- Ordering systems
- Business intelligence


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