A Better Choice for Migration from Intel Itanium

The future of Oracle solutions running on Intel® Itanium® platforms is clear. Oracle stopped all future development of Intel Itanium processor–based servers, making migration unavoidable. The choice of IT infrastructure is crucial, and choosing a new one for mission-critical applications is of paramount importance. Fortunately options exist—but choosing the right one is crucial to business success.

Migration Choices

One option is for organizations to migrate business- and mission-critical applications and services from Intel Itanium to alternative reduced instruction set computing (RISC)–based servers. However, with high acquisition, environmental, software licensing, and maintenance costs, moving to another proprietary RISC or UNIX infrastructure can put pressure on already strained IT budgets. The problems with RISC and UNIX platforms are reflected in its declining market share, which is being replaced by growth in the x86 architecture market. The x86 architecture delivers performance leadership and mission-critical reliability, availability, and serviceability (RAS), creating widespread adoption. The long-term viability of proprietary RISC and UNIX architectures is in question, with industry-wide missed deadlines, changes in planned roadmaps, and termination of hardware and software support by multiple vendors.

Cisco Unified Computing System Is the Best Option

Many commercial applications, including Oracle's software solutions, have been restructured to take advantage of the improved economics of industry-standard x86 hardware with reliability and availability that equals or surpasses current Intel Itanium or RISC implementations. Global enterprises across a variety of industries rely on the x86 architecture–based Cisco Unified Computing System™ (Cisco UCS™) for their most critical business productivity applications and database deployments. As IT departments transition from strictly overhead to a strategic, integrated part of business operations, they must become more agile and flexible while moving to support private clouds.

Cisco Services: Your Migration Partner

Understanding the process and its affect on day-to-day operations is critical to successful migration. Cisco® RISC/UNIX Migration Services provides a proven migration process to help IT departments move from Intel Itanium processor–based environments to Cisco UCS. Using best-in-class migration methodologies, in-depth analysis tools, a robust planning process, and design and implementation services, Cisco delivers a comprehensive, cost-effective approach to migration initiatives (Figure 1).

Figure 1. Cisco Offers End-to-end Migration Services for Itanium, RISC, or UNIX Migrations

RISC/UNIX Migration Acceleration Services	RISC/UNIX Migration Strategy	RISC/UNIX Migration Planning	RISC/UNIX Migration Execution
You are considering RISC/UNIX migration	You understand the benefits and now want a migration strategy	You are ready to move and want help with sizing and detailed planning	You engage the industry-leading, cost-effective Cisco Migration Factory (COTS and Custom)

RISC/UNIX Migration Service

Migration of enterprise applications to Cisco UCS has achieved:

- 75 percent or more reduction in capital expenditures (CapEx)

- 40 percent reduction in operating expenses (OpEx) despite the addition of a data center

- 40 to 100 percent performance improvement

- Reduction in daily SAS Profitability Management processing time from 180 to 50 minutes

- 5 percent less power consumption

- Reduction in deployment times from 6 to 8 weeks to 15 minutes

- 58 percent reduction in cables

A Flexible Approach to Migration

Not all application migrations take the same path. Proper planning and a sound migration methodology are needed to help ensure a successful migration. Cisco RISC/UNIX Migration Services provides a flexible, collaborative approach that adapts to the complexity and importance of the applications to be migrated. Extensive experience in migrating commercial off-the-shelf (COTS) and custom applications, together with strong relationships with software vendors such as Oracle and SAP, enables Cisco to deliver mission-critical migration without application downtime.

An Extensive Services Portfolio

The Cisco Services portfolio offers end-to-end migration services, from initial assessment to application migration and training. Depending on where you are in your migration planning, Cisco works with your stakeholders to identify migration candidates. A site-specific migration strategy blueprint and high-level migration roadmap is prepared together with migration planning, application service-level requirement evaluation, and risk analysis. After a detailed migration plan is created, the Cisco Migration Factory approach for applications such as SAP and Oracle and custom applications provides an efficient, cost-effective process for migrating your mission-critical applications and databases to Cisco UCS. After the migration is complete, Cisco provides operational support, including mentoring and knowledge transfer.

The Ideal Destination Platform: Cisco Unified Computing System

If you are looking for cost savings and excellent performance, Cisco UCS is an ideal destination for your Intel Itanium migrations. Cisco UCS delivers a world-class, mission-critical computing platform with greater value than Intel Itanium, RISC and UNIX, and other x86-based solutions. The result is a high-performance, innovative architecture that simplifies the migration of enterprise-class applications running in bare-metal, virtualized, and cloud-computing environments.

Let Cisco Help You Migrate with Confidence

Cisco takes the worry out of planning for Intel Itanium migrations. With Cisco UCS and Cisco RISC/UNIX Migration Services, you can transform your IT infrastructure into a flexible, agile, cost-effective data center that is a strategic asset to the business. Imagine the possibilities—an environment in which computing, networking, and storage access resources are part of an elastic, scalable, flexible infrastructure that can be put into action at any moment. The task does not have to be daunting. Using a proven, phased approach that builds on system and service innovation, Cisco can help you accelerate the move to a data center of the future at less cost and with less risk.

For More Information

For more information about Cisco RISC/UNIX Migration Services, go to http://www.cisco.com/go/migratetoucs or contact your local account representative.

For more information about the Cisco Unified Computing System, go to http://www.cisco.com/go/ucs.