5 ways applications perform better on Cisco UCS

Applications that run in the data center are essential and power incredible new opportunities in the Internet of Everything (IoE). Yet as demand for these applications grows, IT is often held back by disconnected technology silos and overwhelming complexity. Here are five ways that the Cisco Unified Computing System (Cisco UCS) addresses these challenges with the radically simplified Cisco UCS servers.

Cisco UCS® with Intel® Xeon® processors

1. Fabric-centric architecture

Cisco UCS is the industry's first truly unified system designed in such a way that server, network, and storage access configuration can be programmed and automated through the system's embedded management features. Customers tuning system performance can reproduce their adjustments rapidly and accurately on additional servers with click-of-the-mouse simplicity.

2. Proven application performance

Superior application performance on Cisco UCS is more than a claim, it's simple fact, and validated by more than a hundred world-record-setting performance benchmarks. With intelligent Intel Xeon processors, Cisco has repeatedly demonstrated how well it runs physical, virtualized, and cloud-computing workloads.

Cisco UCS performance benchmark results

Benchmarks include:

- World-record CPU performance
- World-record database performance
- World-record enterprise applications performance
- World-record enterprise middleware performance
- World-record high-performance computing (HPC) performance

3. Performance breadth

Although all vendors have access to the same powerful Intel Xeon processors, only Cisco UCS unleashes their power to accelerate application performance. Cisco UCS has demonstrated application performance leadership by setting records for raw CPU power, database management systems, and HPC, among many other benchmarks.

The Cisco innovative, fabric-centric solution provides industry-leading application performance, lower-cost computing, and opportunities for real IT innovation.

4. Application performance with automation

Cisco UCS not only provides excellent application performance but also an automated configuration model that accelerates deployment, makes performance predictable, and increases IT productivity.

5. An understanding of enterprise application requirements

Businesses today need solutions that incorporate server, network, and storage resources that enable applications to perform and scale effectively, with lower TCO. Cisco focuses on delivering high-performance solutions that are optimized to provide end-to-end support for business applications.