

## Cisco Microsoft SQL Server Migration and Support Services

### Enable Best-in-Class Databases on the Industry's Best-in-Class Server

Cisco Data Center reference architectures for Microsoft SQL migration provide customers and partners with confidence they are receiving a tested, validated solution, and that Cisco is a trusted source to provide the best data center and network infrastructure to support Microsoft applications.

The Cisco Unified Computing System™ is a next-generation data-center platform that unites computing, network, storage access, and virtualization into a cohesive server platform. It provides the ideal environment for optimizing the powerful data-warehousing capabilities of Microsoft SQL Server. The Microsoft SQL Server application running on the Cisco Unified Computing System (UCS) is supported by proven reference architectures and services to help you speed deployment, reduce IT cost and complexity, and improve business decision making.

Cisco professional and technical support services help customers migrate Microsoft SQL and other Microsoft applications from legacy platforms to the UCS with proven best practices and tools to scale for growth and meet business and IT objectives. Customers can also leverage these services for OLTP (On-line Transaction Processing), OLAP (On-line Analytical Processing) or custom applications. Integrated and certified Cisco Microsoft solutions reduce operational expenditures by leveraging the capabilities of the Cisco UCS Manager, Microsoft embedded support for Business Intelligence (BI) applications, and the global Microsoft support community.

### Microsoft SQL Server Fast Track Data Warehouse

Customers and partners have the option to migrate to Microsoft SQL Server on the UCS as part of the Microsoft SQL Server Fast Track Data Warehouse program. This program allows for accelerating your data warehouse implementation with reference pre-tested configurations.

### Services Overview

Customers have different needs for database-related services depending on their unique requirements. Cisco offers professional services for Microsoft SQL Migration, targeted to address specific customer needs during the database migration phase

- Database Architecture Assessment
- Database Preproduction Pilot
- Database Accelerated Deployment
- Technical Support Services

### Database Architecture Assessment

This four-day, on-site assessment utilizes focused interviews to identify your Microsoft SQL migration objectives and map them to a set of best practices. It continues with in-depth documented considerations of your existing and planned data center assets and their associated database migration paths. The service documents the challenges, critical success factors and risks involved in the project, as well as the critical-path requirements to meet based on your projected environment and user demands. At the end of the engagement, you will receive a requirements document with clear recommendations for next steps and a roadmap to achieve success.

### Database Pre-Production Pilot

If you are evaluating migrating your Microsoft SQL Server databases to the Cisco UCS, a pre-production pilot is the best place to start. This three-week engagement guides you through a structured pilot in your lab environment to validate the solution will deliver your business and technical objectives. Through this pilot, you gain expertise in migrating your Microsoft SQL Server databases to the Cisco UCS before you commit to a purchase. At the completion of the engagement, you will receive an executive summary containing a summary Total Cost of Ownership(TCO) analysis comparing the benefits of a Cisco UCS-enabled architecture to those of a legacy architecture, along with critical success factors, risks and next steps toward a successful production deployment. An operational runbook for scaling the validated solution and transitioning the pilot into a production state will also be provided.

### Database Accelerated Deployment

If you have already committed to migrating your Microsoft SQL Server databases to the Cisco UCS, this four-week production deployment service provides planning, design and implementation expertise to bring your project to completion within four weeks in one segment of your data center. This service is similar to the Pre-production Pilot service, but is geared to a production environment. This service also includes a follow-on week where an Operational Readiness component provides assurance of a smooth production rollout. You will collaborate with Cisco experts to design the production scope that the engagement will cover. At the end of the engagement, you will receive documentation of the recommended next steps, an architectural design, and a runbook to scale the implementation throughout your environment.

Table 1. Database Architecture Assessment Service Activities and Deliverables

Activities/Deliverables	Benefits
<ul style="list-style-type: none"> <li>• One week (5 days) Architecture Assessment with one on-site visit for up to four-days, consisting of interactive and group sessions at your location – with clearly defined project goals and aligned with a set of industry best practices for migrating Microsoft SQL Server databases to the Cisco UCS</li> <li>• Current architecture review, technical and business-focused interviews, and discussion of Microsoft SQL Server architecture approach, design principles, and values and benefits to address current challenges</li> <li>• Assess, review and align Microsoft SQL Server migration risks and challenges to meet customers' objectives and requirements as they relate to projected environment, resource capacity, and user community demands</li> <li>• Recommend and review next steps to increase database architectural flexibility and efficiency to meet current and future requirements</li> <li>• Leverage best practice methodologies and use cases to provide recommendations on high-level infrastructure design, critical success factors, risks, challenges and next steps</li> <li>• Document expected business and technical effects of your planned project, including ROI analysis and collaborative target solution based on your business requirements and use cases</li> <li>• Develop a Database Architectural Assessment Report including an initiative roadmap and recommendations</li> </ul>	<ul style="list-style-type: none"> <li>• Detailed understanding of your future state objectives and architecture requirements</li> <li>• Opportunity to collaborate towards a customized Microsoft SQL Server Fast Track Warehouse reference architecture and solutions with Cisco and partners</li> <li>• Increases your confidence and readiness in transitioning existing technologies to Microsoft SQL Server on a Cisco UCS architecture</li> <li>• Gain an in-depth understanding of Microsoft SQL Server migrations to unified compute platform and architectures</li> <li>• Receive specific solution recommendations aligned with your requirements and use cases for your infrastructure that lay out next steps and a roadmap to achieve success</li> </ul>

Table 1. Database Pre-Production Pilot Service Activities and Deliverables

Activities/Deliverables	Benefits
<ul style="list-style-type: none"> <li>• Three-week engagement split between interactive and hands-on engagements at your location to clearly validate that expected results will be delivered – prior to solution purchase.</li> <li>• Clearly define business and technical objectives for your unified computing initiative; deliver a project plan detailing critical success factors, risks, roles and responsibilities</li> <li>• Analyze current state of server and computing architecture and assess compute platform requirements as they relate to projected environment, resource capacity and user community demands via a use case workshop</li> <li>• Define business and technical objectives by which to measure effects of planned project and deliver a database design document detailing high and low level designs and design considerations for your planned environment</li> <li>• One day knowledge transfer workshop to map best practices and lessons learned to your environment</li> <li>• Verify physical infrastructure, hardware installation and perform initial configuration of the unified compute platform, including administration</li> <li>• Validate pilot database migration against expected business and technical objectives by delivering and executing a system test plan</li> <li>• Deliver detailed operational runbook documenting operational procedures and configurations which provides for easy transition from the pilot implementation into a scaled production environment</li> </ul>	<ul style="list-style-type: none"> <li>• Leverage and validate database migration best practices for your environment</li> <li>• Increase your confidence and readiness in transitioning Microsoft SQL Server databases from legacy technologies to a unified computing architecture</li> <li>• Gain valuable expertise during validation activities and knowledge transfer for assessing, designing and implementing Microsoft SQL Server databases on the Cisco UCS architecture</li> <li>• Speeds time-to-value attainment and production readiness</li> </ul>

Table 2 Database Accelerated Deployment Service Activities and Deliverables

Activities/Deliverables	Benefits
<ul style="list-style-type: none"> <li>• Four-week engagement split between interactive and hands-on exercises at your location and off-site data validation for a single segment of your data center</li> <li>• Define business and technical objectives for your unified computing initiative; deliver a project plan detailing critical success factors, risks, roles and responsibilities.</li> <li>• Analyze current server and computing architecture and assess compute platform requirements as they relate to projected environment, resource capacity, and user community demands via a use case workshop and delivering a use case plan</li> <li>• Define business and technical objectives in order to measure effects of planned project and deliver a database design document detailing architectural designs and design considerations for your planned environment</li> <li>• One day knowledge transfer workshop to map best practices and lessons learned</li> <li>• Verify physical infrastructure, hardware installation and perform initial configuration of the unified compute platform, including administration</li> <li>• Validate production database migration against expected business and technical objectives by delivering and executing a system test plan</li> <li>• On site or remote advice and guidance for your 3rd party tools, or stress testing for up to 1 day after rollout.</li> <li>• Deliver detailed operational runbook documenting operational procedures and your configuration to ensure ease of repeatability and assist in troubleshooting</li> </ul>	<ul style="list-style-type: none"> <li>• Leverage and validate database migration best practices for your environment</li> <li>• Increase your confidence and readiness in transitioning Microsoft SQL Server databases from legacy technologies to a unified computing architecture</li> <li>• Gain valuable expertise during validation and knowledge transfer for assessing, designing and implementing a Microsoft SQL database on a unified computing system architecture</li> <li>• Ensure a smooth production rollout of Microsoft SQL on UCS</li> </ul>

## Benefits

Customers can now choose the industry's leading unified computing platform with the advantages of Microsoft SQL Server flexibility and performance either in an OLTP configuration, custom configuration, or as part of the Microsoft Fast Track Data Warehouse program for OLAP applications. Cisco Microsoft SQL Server Migration Services allow customers to cut costs and improve the robustness of their current database infrastructure. These services provide the following benefits:

- Migrating to Microsoft SQL Server on-schedule and within budget
- Lowers database TCO
- Enable BI applications faster
- Flexible service packages for complete lifecycle coverage

## Cisco Technical Support Services

Customers using the Cisco UCS for a Microsoft Fast Track Data Warehousing system have access to a global team of experts cross-trained in the Cisco Microsoft data warehousing solution. Cisco provides triage support for solution partners' products and an extensive range of technical resources. Customers with support contracts from Cisco, Microsoft and storage partners benefit from a cooperative support experience to rapidly resolve solution issues and increase uptime.

## Cisco Unified Computing Support and Warranty Services

The more benefits you realize from the Cisco UCS the more important the technology becomes to your business. If an issue arises, you want support from dedicated specialists who have in-depth expertise in virtualized data center environments, server hardware and software, and unified computing technology. You can be confident that you are covered with Cisco UCS and Warranty Services.

The Cisco UCS B-Series Blade Servers and C-Series Rack-Mount Servers are backed by a warranty that includes three-year parts coverage and next business day (NBD) parts replacement eight hours a day, five days a week. The Cisco UCS warranty includes a 90-day software warranty on media. Ongoing downloads of BIOS, firmware, drivers, and Cisco Unified Computing System Manager (UCSM) updates are also included. The Cisco UCSM updates include minor enhancements and bug fixes that are designed to maintain the compliance of Cisco UCSM with published specifications, release notes, and compliance with industry standards.

Augmenting the Cisco UCS warranty, Cisco's award-winning support and warranty services help you increase uptime, quickly resolve issues, and get the most from your unified computing investment. Cisco Unified Computing Support and Warranty Services include:

- Unified Computing Warranty Plus
- Unified Computing Support Service
- Unified Computing Mission-Critical Support Service

## Why Cisco Data Center Services?

Today, the data center is a strategic asset in a world that demands better integration among people, information, and ideas. Your business and your data center work better when technology products and services are aligned with your business needs and opportunities. Using a unique network-based perspective and a unified view of data center assets, Cisco and our industry-leading partners deliver services that accelerate and optimize your data center transformation. Cisco takes an architectural approach to help you efficiently integrate and manage data center resources and improve the performance and availability of your vital business applications. Cisco Data Center Services help you reduce costs, operate more efficiently, and better meet your service level agreements.

## Availability

The Cisco Microsoft SQL Migration Services are available in the US and Canada and will be available worldwide this calendar year. Contact your local Cisco account manager about availability in your area. Cisco technical support services are available globally now.

## For More Information

For more information on the broad array of Cisco Services available, visit [www.cisco.com/go/unifiedcomputingservices](http://www.cisco.com/go/unifiedcomputingservices).

To learn more about our comprehensive portfolio of Cisco Data Center Services, visit [www.cisco.com/go/dcservices](http://www.cisco.com/go/dcservices) or contact your Cisco service account manager.



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