Cisco Desktop Virtualization Planning and Design Services

Accelerate your transition to an infrastructure that provides an optimal virtual desktop user experience from anywhere, using any device, and over any platform.

The Cisco® Desktop Virtualization Planning and Design Services help you design and build an optimal, secure end-to-end desktop virtualization solution with minimal business risk.

Today's IT organizations are struggling to reduce desktop costs while preserving access to applications and network resources. An increasingly popular solution is replacing the traditional desktop environment with a Virtual Desktop Infrastructure (VDI). The VDI solution hosts virtual desktops in the data center, providing end users with a virtual portable PC desktop experience through physical endpoint devices. These endpoint devices have a minimal software footprint, are less expensive, easier to administer, and more secure than traditional PCs. The key benefit of VDI, however, is that each virtual desktop becomes an endpoint within the enterprise cloud. Moving desktops into the cloud architecture allows IT administrators to deploy and provision new applications more quickly and extend application services to external parties while controlling access to sensitive resources.
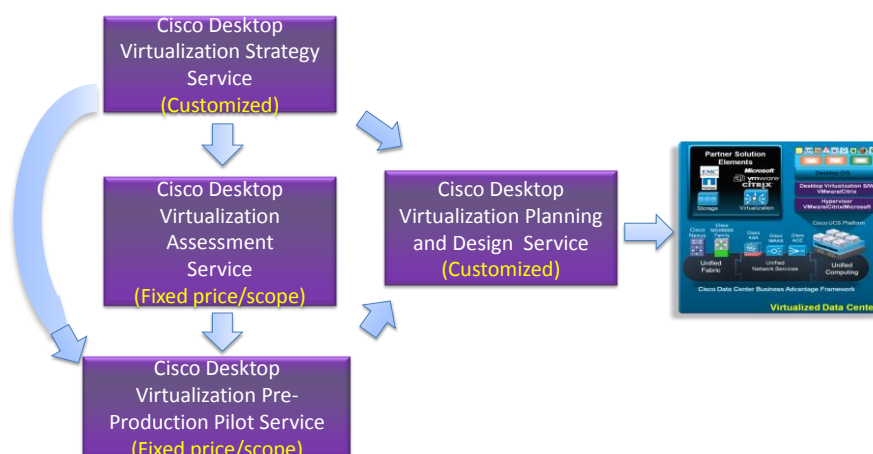
Many virtual desktop solutions are limited to enterprise applications and lack the ability to adequately support rich services such as video, voice, and collaboration. To meet these needs, Cisco also offers a Virtualization Experience Infrastructure (VXI) solution that extends VDI to deliver such rich services. Together, these VDI and VXI solutions comprise the Cisco Desktop Virtualization (DV) portfolio.

A properly implemented DV solution delivers an easily manageable, cost-effective desktop environment with reliable, LAN-like performance. This solution should also provide protection for your information and intellectual property, increased workplace effectiveness, and a lower total cost of ownership. Today's challenges facing many organizations include sourcing or redeployment of resources and expertise to design a comprehensive desktop virtualization solution that integrates the network, data center, desktop computing, rich media applications, and storage infrastructures. Without proper deployment, desktop virtualization can affect response times and limit user productivity.

Cisco offers three UCS based solutions to help you accelerate your VDI project:

- The Cisco Desktop Virtualization Assessment Service enables a comprehensive feasibility study for DV, by gathering pertinent customer data via a collection tool and the analyzing the data. A TCO analysis is performed to illustrate the benefits of moving to a DV solution.

- The Cisco Desktop Virtualization Pre-Production Pilot Service enables an evaluation of the characteristics of a DV trial solution, by providing expertise to help the design and implementation of an on-site pilot DV solution. This is intended as a pre-cursor to a production deployment decision.

Figure 1. The Cisco Desktop Virtualization Planning and Design Service provides the expertise to help design and implement a reliable DV solution that fits an IT strategy and user requirements.Cisco Desktop Virtualization Services – Logical Progression

Comparing the Cisco Desktop Virtualization Services

The Cisco Desktop Virtualization Services have varying scope, activities, and deliverables. These services provide comprehensive support for assessing and migrating a desktop environment to an optimal, secure virtual desktop environment. Table 1 is designed to match a Cisco Desktop Virtualization Services with your business needs.

Table 1. Cisco Desktop Virtualization Service Parameter Overview

Service	Cisco Desktop Virtualization Assessment Service	Cisco Desktop Virtualization Pre-Production Pilot Service	Cisco Desktop Virtualization Pre-Production Pilot Service	Cisco Desktop Virtualization Planning and Design Service
Objective	Assessment	Pilot Test	Pilot Test	Production Deployment
Number of End-User Desktops Supported	Up to 2000 and 2 use cases	Up to 100	Up to 250	Per Customer requirements
SKU	ASF-DCV1-DVA-A	ASF-DCV1-DV-PP-A	ASF-DCV1-DV-PP-B	AS-UCS-CNSLT
Scope and Price*	Fixed	Fixed	Fixed	Variable (SOW)
Design	None	Cisco Best Practices	Cisco Best Practices	Cisco Best Practices + Detailed Requirements Analysis
Solution Supported	VDI and/or VXI	VDI only	VDI only	VDI and/or VXI
Operations Management Considerations	None	None	None	Included

* Please use http://wwwin.cisco.com/cgi-bin/CustAdv/SvMap/dash/cgi-bin/rScoreCardPriceLists.pl to determine the price for fixed service offer for your region

Figure 2. The Cisco Desktop Virtualization Planning and Design Services scope and customer value chart describes the benefits of each service to implementing a structured virtual desktop architecture.

Cisco Desktop Virtualization Assessment Service

The Cisco Desktop Virtualization Assessment Service provides assessment and analysis service for customers looking to potentially implement a Desktop Virtualization solution and being able to see both the feasibility and business goals clearly illustrated. The DV Assessment will cover up to 2000 Windows desktops across 1 datacenter and sues a minimally intrusive data collection tool that has no user disruption. The tool will be deployed for 30 days to gather required customer data for analysis and discovery. Alternatively, customers can provide the required data in a specific .csv format for import into the tool. Once the data is available, a 2 week data analysis and interview process will commence which includes a data-driven projection of WAN, LAN and Storage infrastructure required to support a successful DV deployment which is documented in an Assessment Report. The analysis will drive the requirements needed to develop a DV infrastructure sizing estimate and Bill of Material (BOM). Once an estimated BOM is available, a Total Cost of Ownership analysis and report showing a comparison between the existing environment and a virtualized environment.

The key features in each activity of this service are described in Table 2, following.

Table 2. Cisco Desktop Virtualization Assessment Service Activity Features

Activity	Key Features
Assessment	Provides a comprehensive assessment of what it would take to implement a Desktop Virtualization environment. This assessment will quantify desktop resource utilization (up to 2000 desktops) for up to 2 use cases and identifies best/worst candidates for virtualization based on real-world collected data. An end to end Assessment Report will include a data-driven projection of WAN, LAN and Storage infrastructure required to support a successful DV deployment. A Total Cost of Ownership Analysis showing a comparison between the existing environment and a virtualized environment and an Executive Summary.

Table 3, following, lists the service activities, deliverables, and benefits of this assessment service.

Table 3.   Cisco Desktop Virtualization Assessment Service Activities, Deliverables, and Benefits

Activities and Deliverables	Benefits
Project Management The Cisco Project Manager will: • Review and develop the project plan • Manage the project plan • Ensure completion of the Service activities and Deliverables • Represent Cisco in appropriate project review meetings **Deliverable:** Project Plan	Helps customer teams deliver an on-time and on-budget assessment service.
Data Collection and Analysis The Cisco consultant will: • Deploy a Data Collection Tool on a customer provided dedicated virtual server for up to 30 days to gather asset and resource utilization data for the Customer's desktop computing environment. • Analyze current state of desktop architecture and assess compute/server platform requirements as they relate to projected environment, resource capacity, and user community demands • Interview and hold workshop with customer to review findings and gathered additional data if needed and recommend next steps. • Document collected data, findings, and recommendations, **Deliverable:** Assessment Report, TCO Analysis Report	Cisco will recommend specific solution(s) that is aligned to your real-world data and requirements and recommend actionable next steps on the road to a Desktop Virtualization environment
Executive Summary **Deliverable**: Executive Presentation	The Executive Summary ensures that senior management is appropriately briefed on the pilot design and success, in order to evaluate business benefits, technical requirements, and risks of a full (subsequent) desktop virtualization production roll-out.

Cisco Desktop Virtualization Pre-Production Pilot Service

The Cisco Desktop Virtualization Pre-Production Pilot Service provides pilot design and implementation support for select desktop virtualization features. In terms of both service scope and price, this service is fixed. Cisco's pilot service, available in 2 variants, demonstrates desktop virtualization using up to 100 or 250 end-user desktops. The Pre-Production Pilot Service objective is to provide understanding of production characteristics of a DV deployment in the customer's environment. With help from our Cisco Services desktop virtualization experts, this service supports exploration of the end-to-end challenges of desktop virtualization in a pilot environment. As a follow-on to this service – or if the fixed scope approach of this service does not meet specific custom requirements – the Cisco Desktop Virtualization Planning and Design Service can be selected to help you progress into full production status.

The key features in each activity of this service are described in Table 4, following.

Table 4.   Cisco Desktop Virtualization Planning and Design Service Activity Features

Activity	Key Features
Pilot Design Development	Starting with a review of the customer's data center and LAN/WAN environment, this part of the service will recommend an appropriate design – based on Cisco best-practices – for the desktop virtualization pilot. The objective of this design will be to support the appropriate numbers of end user desktops (100 or 250, as applicable), so that customers can understand how desktop virtualization will support business objectives. This design includes configuration details for the hypervisor and desktop broker, and defining a template configuration for the end-user desktop. Customer teams gain valuable expertise from the Cisco consultant including unique perspectives on the challenges of end-to-end desktop virtualization architecture design which will accelerate project delivery and maximize the pilot's success.
Pilot Implementation	Based on the pilot design document, Cisco experts will support customer teams in implementing the pilot. In particular, Cisco staff guides the teams in best practice configuration of the Cisco Unified Computing System and the hypervisor and desktop connection broker software. The Cisco consultant ensures successful realization of the pilot, thereby reducing project timescales and risk.
Pilot Testing	The Cisco consultant guides the customer's team(s) in the creation of a test specification which can subsequently be used to stress test the pilot implementation. This will enable a full understanding of the strengths and opportunities that desktop virtualization delivers for the organization, and an understanding of trade-offs and other potential weaknesses. Cisco's unique end-to-end experience helps ensure that all relevant test cases are identified and considered, thus giving the teams confidence that they are able to sufficiently stress and navigate the pilot design.

Table 5, following, lists the service activities, deliverables, and benefits of this pilot service.

Table 5.   Cisco Desktop Virtualization Pre-Production Pilot Service Activities, Deliverables, and Benefits

Activities and Deliverables	Benefits
Project Management The Cisco Project Manager will: • Review and develop the project plan • Manage the project plan • Ensure completion of the Service activities and Deliverables • Represent Cisco in appropriate project review meetings **Deliverable:** Project Plan	Helps customer teams deliver an on-time and on-budget pilot project.

Pilot Design Development
The Cisco consultant will:
• Conduct a Customer Environment Review workshop to understand the customer's data center and desktop environment/plans
• Work with customer's engineering team(s) to explain the desktop virtualization pilot methodology
• Based on Cisco best practices, create the Pilot Desktop Virtualization Design Document Design recommendations, to include:
  ◦ Network logical and physical topology
  ◦ Server connectivity to network and storage
  ◦ Specific configuration of hypervisor and desktop broker software
  ◦ Design the end-user desktop template configuration
Deliverable: Pilot Design Document
	Enables leveraging Cisco best practice designs to accelerate project delivery and maximize the pilot's success.

Pilot Implementation Provide guidance for your team(s) so that each member is able to: • Configure the Cisco Unified Computing System devices • Configure the hypervisor and desktop connection broker software • Realize the pilot desktop implementation • Identify technical issues that could impact the pilot implementation **Deliverable:** Implementation Support	This guidance ensures that Cisco experience gained from a wide range of desktop virtualization projects and unique Cisco insights are transferred to customer teams – all of which contribute to a successful pilot implementation.

Activities and Deliverables	Benefits
Pilot Testing • Supports your team in the development of the Pilot Test Plan • As a pilot test plan (as opposed to a production-level test plan), this plan is intended to validate system stability and provide an understanding of desktop virtualization characteristics, experience, and performance within the pilot environment. **Deliverable**: Pilot Test Specification	Ensures that the pilot implementation is thoroughly tested so that it meets the pilot objectives by understanding desktop virtualization characteristics in each environment.
Knowledge Transfer Deliver a knowledge transfer workshop so that your team understands the pilot design and implementation in depth. **Deliverable**: Knowledge Transfer Session	Ensures that the customer(s) teams consolidate their knowledge and experience surrounding desktop virtualization and, in particular, become intimately familiar with the pilot design and implementation.
Executive Summary **Deliverable**: Executive Presentation	This activity ensures that senior management is appropriately briefed on the pilot design and success, in order to evaluate business benefits, technical requirements, and risks of a full (subsequent) desktop virtualization production roll-out.

Cisco Desktop Virtualization Planning and Design Service

During the Cisco Desktop Virtualization Planning and Design Service, skilled Cisco data center and collaboration architects work with customers to design a secure, end-to-end virtualization solution and develop a migration plan that facilitates rapid project implementation. The process includes evaluating desktop virtualization opportunities, assessing primary applications for fit, developing an operationally viable strategy, creating a phased roadmap to implementation and providing support through design and deployment.

Integrating design, development, and deployment into a cohesive process managed by subject matter experts reduces the risk of design errors and costly migration delays. Subject matter experts also work to make sure that the deployment reduces operating costs, improves desktop management, and extends security and disaster recovery to the desktop environment. Customers realize a better return on IT infrastructure virtualization investments in unified computing, unified communications, collaboration applications, and application networking services.

The Cisco Desktop Virtualization Planning and Design Service complements the Cisco Desktop Virtualization Strategy Service. The Cisco Desktop Virtualization Pre-Production Pilot Service is a logical step between the strategy and full planning and design services. Together, these services can help accelerate virtualization deployment and assist you in realizing the full potential of your desktop solution.

The Cisco Desktop Virtualization Planning and Design Service is a flexible, full scope architectural design service that will deliver a target desktop virtualization design across networks, storage area networking, and computers and relevant software layers. The statement of work-based service comprises the following components:

▪ Desktop Virtualization Planning: Evaluates the consolidation and virtualization opportunities against current desktop infrastructure, rich media applications, and management systems to help provide better understanding of the benefits and costs of migrating to a virtualized desktop infrastructure using Cisco and third-party virtualization technologies.

▪ Desktop Virtualization Design and Implementation: Creates a high-level design for a desktop virtualization solution and a plan for the physical-to-virtual migration process involving complementary Cisco and third-party solutions.

- Desktop Virtualization Operations Management: Provides a full range of underlying operations capabilities for the desktop virtualization solution and consulting and engineering services.
- Mobility Services Readiness Assessment: Speeds deployment of mobility services for the virtual desktop solution. Using leading practices, this service provides requirements development, architecture analysis, and recommendations on how to transform a wireless network, thereby helping to more quickly and cost-effectively deploy a mobile virtual desktop solution that facilitates greater interaction, productivity, and value.

Table 6.

Activities and Deliverables	Benefits
Desktop Virtualization Planning	Evaluate opportunities to reduce desktop management costs by virtualizing desktop systems, improving security, and maintaining a secure, high-performance environment. This service component evaluates the gaps between your current desktop, server, network, voice, video, and storage infrastructure and a next-generation, consolidated, virtualized compute infrastructure based on the Cisco Unified Computing System. Additionally, the service defines those actions required to close these gaps in order to achieve the best possible return from existing resources and virtualization investments.
Desktop Virtualization Design and Implementation	Create a high-level design for the virtualization architecture and a complete migration plan to guide through a successful virtualization solution deployment. The high-level design includes a physical-to-virtual migration plan and addresses specific migration requirements. The following services are also available: • Test and validate the pilot solution • Identify product acquisition needs • Stage and validate the DV solution • Implement the DV solution over a phased timeframe
Desktop Virtualization Operations Management	Provides operations consulting and engineering services for the desktop virtualization solution. This service component supports the development of a customized DV operations architecture by providing the framework, processes, procedures, and policies needed to run a DV solution. The service starts with an operations assessment and strategy and provides an actionable operations blueprint that facilitates the deployment. The service module is designed to: • Address DV operations management needs at the data center(s) • Reduce any operational risks associated with the DV implementation • Help transform the organizational model from technology silos to integrated service oriented teams
Mobility Services Readiness Assessment	Competitive advantage and enhanced productivity comes from developing a new approach to collaboration that provides a rich, contextual, and interactive experience regardless of users' location, the device being used, or the information being accessed. The Mobility Services Readiness Assessment helps provide an understanding of the readiness of the current wireless LAN infrastructure in order to support secure mobility services that provide high-performance rich media collaboration and improved overall operating efficiency. Mobility experts provide requirements development, architecture analysis, and recommendations on how to transform the wireless network, thereby helping to more quickly and cost-effectively deploy a mobile virtual desktop solution.

Table 7.   Cisco Desktop Virtualization Planning and Design Service Activities, Deliverables, and Benefits

Activities and Deliverables	Benefits
Desktop Virtualization Planning	
Requirements Gathering • Interview stakeholders across the IT organization using a workshop-based methodology. • Gather requirements with a top-down approach, using interviews and customer-provided documentation. • Review existing IT documents and infrastructure diagrams. **Deliverable**: Customer requirements document (CRD)	• Helps identify technology and business requirements that affect the virtualization design • Identifies business factors and defines objective success criteria • Estimates cost savings and productivity gains for better informed decision making processes

Activities and Deliverables	Benefits

Desktop Infrastructure Assessment (Consolidation and Virtualization), Network Discovery, and Network Infrastructure Assessment
• Interview appointed personnel within your organization
• Install data collection tool for infrastructure inventory (remote and data center), including network, compute, storage, application.
• Analyze data and provide inventory of:
   ◦ Enterprise network, server, voice, video and storage environment
   ◦ End-user desktops and user profile requirement for DV including security and compliance policies
   ◦ Custom and standard applications including UC and Collaboration
   ◦ Identify and define relationships and dependencies between components
   ◦ Assess health of current virtual infrastructure and recommend optimization opportunities
• Implement an operational gap analysis that recommends how your network infrastructure (remote office and data center), compute infrastructure, voice, video, storage infrastructure, and WAN transport can be reconfigured to help increase the return on your desktop virtualization investment.
Deliverable: Assessment report of findings and recommendations for enhancing your existing environment, including a review of the following IT infrastructure technologies:
• Systems and performance data analysis on existing user desktop infrastructure
• Network (Layer 2/Layer 3 infrastructure)
• Network transport (WAN) and application call flows infrastructure
• Security networking (firewall design)
• Server load balancing
• Web caching within the data center
• Secure Sockets Layer (SSL) offload
• Traffic flow and Security design Optimization for UC and Collaboration applications
• Physical server and desktop virtualization models
• Storage infrastructure
	• Helps to prepare to implement a next-generation, service-oriented data center architecture
	• Helps in understanding how to maintain a stable virtualized desktop environment based on Cisco best practices
	• Helps prepare for successful deployment of UC and Collaboration applications

Mobility Services Readiness Assessment Activities • Business and technical requirements analysis • Review of existing wireless LAN architecture • Review of existing RF design • Wireless LAN configuration review • Gap analysis based on industry standards **Deliverable:** Mobility Services Readiness Assessment Report, which includes: • Summary of business goals and requirements • Analysis of WLAN architecture (topology, security, performance, and functionality) and RF design • WLAN hardware and software version analysis • Detailed device configuration analysis (security, QoS, multicast, client mobility, RF planning, and redundancy) • Recommendations to improve performance, security, reliability, and manageability	• Reduces deployment risk for mobility services, rich media applications, and mobile devices • Validated requirements for wireless LAN network changes • Improved return on investment by mitigating architecture gaps • Smooth migration to next-generation mobility technology • Faster adoption of productivity-enhancing rich media collaboration • Reduced deployment complexity, costs, and delays with expert analysis of your current network design

Activities and Deliverables	Benefits
Data Center Operations Management Assessment Enables customers to more easily adopt, build, and operate DV by providing low-risk operations implementation capabilities through Data Center Operations Management services: • Gather customer requirements and assess the customer's operation management capabilities, employing a combination of remote and on site interviews, questionnaires, and workshop(s) to assess these capabilities. • Develop a strategy for the future state infrastructure for operations management. • Perform and document a gap analysis between the customer's current operations management capability and strategy for the required future state infrastructure for operations management. • Review the DV operations assessment document for comments with the customer and establishing approval before it is formally completed and released. **Deliverables:** • DV operations assessment document, comprising: • Customer Ops Requirements • Operations Management Assessment • Future State Blueprint • Operations Transformational Roadmap with Gap Analysis	• Delivers a complete DV Operations Design Specification based on a full and thorough understanding of the customer's requirements, thereby minimizing the potential need for rework later. • Ensures that all operational facets (people, process, governance, metrics, tools and organization) are included in the Blueprint, thereby assuring fitness for purpose. • Improves the business value of IT operations by making sure business requirements are fully met within the operational framework from the ground up.
Desktop Virtualization Design and Implementation	
High-Level Design Architecture Development • Conduct targeted design workshops. • Create a high-level architecture design for data center (compute, network, voice, video and storage), WAN transport, and Desktop Virtualization. • Define relationships and dependencies between components including network resiliency, redundancy, and high availability within and across the data center **Deliverable:** Cisco high-level design document	• Helps create an end-to-end virtualized architecture covering network, data center, voice, video, and optimized Desktop Virtualization • Helps create a comprehensive solution that decreases IT costs while maintaining application performance • Increases end-user satisfaction with new technology by taking advantage of best practices for architectural design
Low-Level Design Development Create a customized virtualization infrastructure design including step-by-step deployment plan; process steps include: • Creating a low-level design for data center (compute, network, voice, video and storage), WAN transport, and Desktop Virtualization (including physical-to-virtual migration). • Develop deployment guidelines to avoid pitfalls that can stall or slow deployment. **Deliverables:** • Cisco low-level design document • Configuration template for third-party solution	• Accelerates rollout and mitigates risk with detailed design and planning documents, including a configuration blueprint built for your environment based on proven methodology • Reduces expensive, time-consuming redesign by creating a well-engineered, end-to-end virtualization design and reference architecture using best practices

Desktop Virtualization Pilot
 	
Develop onsite proof-of-concept plan for efficiently creating, provisioning, and managing virtual desktops.
• Create a prototype environment involving:
  ◦ Use case and test definition
  ◦ Installation of UC client applications on supported Hardware for VD
  ◦ User selection workshop
  ◦ End-user survey creation
  ◦ Single or multiple prototype environments
• Clearly define and document objectives
 	
Deliverables:
• Requirements and success criteria documentation
• Pilot testing results
Next steps and recommendations
	• Provides formally documented results that are invaluable contributions to the start of enterprise-wide planning and design toward production deployment
	• Facilitates the development and successful execution of a comprehensive project
	• Provides UC and client applications experience prior to production rollout
	• Facilitates knowledge transfer and enables effective user testing
	• Offers formal approach and discipline that leads to less effort and higher project efficiency
	• Results in less time required to envision success criteria and validation testing toward successful attainment

Activities and Deliverables	Benefits
Migration and Implementation Plan • Develop and execute step-by-step migration and implementation plan recommended by Cisco. • Identify ongoing concerns that affect deployment or migration of the recommended designs. **Deliverables:** • Desktop virtualization migration and implementation plan • System test plan and runbook	• Speeds time to deployment with knowledge transfer of proven best practices in the area of Cisco and third-party platform by experienced consultants • Accelerates deployment with a detailed desktop virtualization infrastructure plan • Accelerates enhanced infrastructure availability, security, performance, scalability, and manageability while providing a plan for next steps
Data Center Operations Management Design and Implementation Plan The DV Data Center Operations Management service module starts with the development of the Day 2 DV Operations Delivery Model, while making sure that all operational facets (people, process, governance, metrics, tools and organization) are included in order to improve the business value of IT operation and ensuring business requirements are met within the operational framework. Activities include: • Develop a Day 2 DV Operations Delivery Model to support the DV implementation • Develop the Day 2 DV Operations Design Specifications based on understanding of the Customer's requirements • Review with Customer the Day 2 DV Operations Design Specifications and Test Plans for comment and approval before it is formally completed and released • Develop the DV Operations Implementation Plan that enables implementation of the new Day 2 DV Operations Delivery Model • Develop a complete set of Day 2 DV Operational Documentation, consisting of Standard Operating Procedures, runbooks, Policies, and implementation Test Plans **Deliverables:** • Day 2 DV Operations Delivery Model • DV Operations Design Specifications • DV Operations Implementation Plan • DV Operational Documentation (consisting of Standard Operating Procedures, runbooks, Policies and Test Plans)	• Implements a fit-for-purpose DV Operations Model tuned to the requirements of the business • Maximizes IT Operations' productivity through the implementation of a tuned organizational model, with best-practice processes tying organizations together • Employs the DV Data Center Assessment deliverables to develop and implement the fit-for-purpose DV production environment

Benefits

The Cisco Desktop Virtualization Planning and Design Services provide comprehensive support for piloting and then subsequently migrating a desktop environment toward an optimal, secure virtual desktop environment. Taking advantage of these services can help:

- Understand the characteristics of a desktop virtualization solution in a pilot environment
- Enhance application availability, security, scalability, performance, and manageability using any-to-any connectivity
- Deliver IT services over a WAN with LAN-like performance
- Increase the effectiveness of virtual desktop solutions by designing and deploying an end-to-end network, desktop, storage, server, and application-delivery architecture including rich media.
- Manage risk by working closely with subject matter experts in networking and virtualization

Cisco Expertise

The Cisco Desktop Virtualization Planning and Design Service is delivered by industry experts who can simplify the transition to a virtual desktop environment. Cisco data center architects are among the industry's elite in providing virtualization

solutions that span the entire enterprise infrastructure, including virtual desktops, branch offices, WAN transport design, data center infrastructure, and storage networks. In addition, Cisco provides experts in unified communications, collaboration applications, and video. Cisco architects typically hold multiple technology certifications and have deployed, secured, operated, and optimized the performance of many of the largest IT organizations in the world.

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. The business and data center work better when technology products and services are aligned with business needs and opportunities. Cisco and our industry-leading partners deliver intelligent, personalized services that accelerate the transformation of a data center. Using a unique, network-based perspective and a unified view of data center assets, Cisco takes an architectural approach to help efficiently consolidate, virtualize, and manage data center resources. Cisco Data Center Services help transform, optimize, and protect the data center to reduce costs, deliver high availability, and improve application performance.

Follow-On Services

Data center environments are complex. To help you optimize your dynamic data center environment, Cisco offers the Cisco Data Center Optimization Service. This service offers assessment, support, and learning activities for an end-to-end data center architecture, application distribution and delivery, application network performance, unified computing systems, storage area networks, and unified switching fabric. These building blocks can be used to attain a uniquely holistic view of all the data center functional areas and their effect on operational management through virtualization and segmentation. Service activities guide customers through the process of creating an end-to-end data center architecture that can quickly absorb technology innovations, meet ongoing business needs, and reduce costs.

Availability

Cisco Data Center Desktop Virtualization Planning and Design Services are widely available. Contact your local Cisco account manager or qualifed Cisco partner for specific information. To find a partner in your area, go to the Partner Locator at www.cisco.com/go/partnerlocator.

For More Information

For more information about the Cisco Desktop Virtualization Planning and Design Service, as well as the broad array of Cisco Services for the data center, contact your local Cisco account manager or qualifed Cisco partner, or visit