



## What Are the Cisco Virtualization Services?

The Cisco® Virtualization Services provide a holistic approach to virtualization that provides Cisco networking and virtualization expertise. Virtualized infrastructure lets you host and access applications anywhere across server, network, and storage infrastructures. When you use automated, intelligent provisioning of these resources, virtual-machine-aware data center infrastructure lets you truly enjoy the benefits of virtualization and frees you from physical and geographical limitations, helping simplify management and helping lower costs.

## Why Should I Care About Having a Virtual Data Center?

Businesses experience tremendous cost savings on capital expenses and operational expenses with a virtualized data center. In addition, a virtualized data center can provide increased agility and improved service levels. Cisco Virtualization Services help you combine server, network, network services, security, and storage virtualization. This holistic approach helps protect application performance and supports the automation tools needed to manage an end-to-end virtualized environment. These services also provide a simplified way to engage subject matter experts, who work collaboratively to help you devise and deploy an overarching data center virtualization strategy and roadmap.

## How Does Cisco Support My Virtualization Efforts?

Cisco enterprise architects specialize in understanding business problems and work with Cisco solution architects to map those business problems into technology architectures. Certified virtualization technical experts can help assess, plan, and design a customer-specific virtualized Infrastructure. These Cisco professionals collaborate to help ensure that the entire solution is compliant with the company's combined best practices. You will have a single channel that is accountable for the entire virtualization solution.

## What Problems Do These Services Address?

- Reducing equipment, facilities, and operating costs
- Provisioning new applications quickly
- Meeting high-availability service-level agreement requirements
- Identifying security solution goals and future requirements for the virtualized environment
- Coordinating management and operations across virtualization silos

## What Activities Does the Cisco Virtualization Services Include?

The Cisco Virtualization Services help you create a phased virtualization roadmap, develop financial justification, accelerate the adoption of your virtualization solution, and lay the foundation for security to manage the policy changes and compliance issues across the server, network, and storage components. These services include the following.

### Cisco Virtualization Strategy and Roadmap Services (VSR) Services

- **Data Center Virtualization Assessment Service**
  - Identifies gaps in your server, storage, and network infrastructure that could limit the return on your virtualization investment
- **Data Center Architecture Value Analysis Service**
  - Determines how consolidation and virtualization can reduce costs in your servers, operating systems, and storage infrastructure while delivering new capabilities
- **Application Dependency Mapping Service**
  - Rapidly obtain an understanding of your data center to minimize the risk associated with initiatives and identify opportunities to reduce total cost of ownership

- **Virtualization Operations Management Assessment Service**

- Defines the activities that can tune your organizational structure and management models to the requirements of operating a virtualized environment

### Cisco Data Center Virtualization Planning and Design Service

- **Virtualization planning:** Gather requirements, help create a high-level secure virtualized architecture design, extend existing security policies to a virtual environment, enable consistent virtual machine network and storage security, and enable knowledge transfer
- **Virtualization design and implementation:** Creates a low-level design, including securing the virtualized environment. Depending on needs, helps create plans to:
  - Test and validate your solution
  - Identify product acquisition needs
  - Implement virtualization over a phased time frame
  - Address your rollout and migration requirements
- **Virtualization project management**

### Cisco Virtualization Services for Data Center Technologies, including:

- **Unified Computing Virtualization Services**
  - Provides a clear view of server consolidation opportunities within the data center's physical IT infrastructure and accelerates success of virtualization efforts:
  - Virtualization assessment: Provides comprehensive analysis of server consolidation opportunities and design assistance,



including automated data collection followed by an interactive facilitated design session

- Virtualization accelerator: Provides expert guidance through the design and deployment of a virtual server environment on the online UCS, including development and implementation of an exhaustive test plan
- Server virtualization mobility and management: Provides in-depth planning and design for end-to-end data center virtualization strategy and enhanced provisioning and management of virtual machines; applies management and movement best practices for eliminating common virtual machine deployment problems
- **Cisco Nexus 1000V Planning and Design Service**
  - Helps create a more secure, efficient, and resilient virtual data center architecture
  - Virtualization Infrastructure Network Assessment: Evaluates the gaps between your current server virtual infrastructure and your desired architecture
  - Architecture design: Defines an architecture that meets your business and technical goals by enhancing your current virtual machine design by taking advantage of the Cisco Nexus™ 1000V
- **Branch and Desktop Virtualization Planning and Design Service**
  - Helps virtualize your infrastructure to realize the costs savings of data center consolidation and deliver LAN-like performance to branch offices
  - Planning: Evaluates the consolidation and virtualization opportunities in your branch-office IT infrastructure to understand the benefits and costs of migrating to a virtualized desktop infrastructure
  - Design and implementation: High-level design for your desktop virtualization solution and a plan for your physical-to-virtual migration process involving complementary Cisco and partner solutions

## What Benefits Can I Expect to Achieve from the Cisco Virtualization Services?

Cisco Virtualization Services help you create an end-to-end virtualization solution and help you to:

- Understand the gaps in your IT environment
- Manage risk by working closely with experts in networking and virtualization
- Increase application uptime and performance to the greatest extent possible
- Establish a robust solution for a virtualized infrastructure network, storage, and server that will provide a secure application environment
- Bring new applications online faster with automated resource provisioning
- Enhance application availability, scalability, and manageability using any-to-any connectivity
- Lower ongoing operating costs to the extent possible

## 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. Cisco and our industry-leading partners deliver intelligent, personalized services that accelerate the transformation of your data center. Using a unique, network-based perspective and a unified view of data center assets, Cisco takes an architectural approach to help you efficiently consolidate, virtualize, and manage data center resources. Cisco Data Center Services help transform, optimize, and protect your data center to reduce costs, deliver high availability, and improve application performance.

## For More Information

For more information about the Cisco Virtualization Services, visit [www.cisco.com/go/dcservices](http://www.cisco.com/go/dcservices) or contact your Cisco service account manager.