Cisco IPv6 Services

Proactively budget time, money, and resources, and prioritize critical areas of your business and network, as you scale beyond IPv4 limitations.

A Phased Approach to Successful IPv6 Adoption

Cisco IPv6 Services begin with a phased plan aligned to your business strategy, in which we:

1. Identify the highest priority IPv6-critical areas in your network.

2. Assess those areas to determine the scope of your IPv6 design.

3. Develop a design that enables IPv6 to be introduced without disrupting your IPv4 network.

4. Test and implement IPv6 in pilot mode, then extend over time into production deployment.

We repeat these phases for the next IPv6 areas in your network through ongoing optimization.

Challenge: Adopting IPv6 to Connect and Compete

The Global Economy Is Evolving to IPv6
As networks expand beyond traditional boundaries, IPv6 is catalyzing growth across industries and markets. It is spawning new business models and enabling businesses to connect with and expand into more countries around the world.

Who Needs to Adopt IPv6?
While the global economy is evolving to IPv6, IPv4 addresses are running out, with depletion expected by 2012 or sooner. All businesses will need to adopt the newer protocol.

Enterprises need to adopt it so they can compete in the IPv6 Internet and expand into IPv6-dependent emerging markets or business models. Service providers need to adopt it in order to sustain current business models, support mobile and consumer devices, and compete into the future. Government agencies need to develop IPv6 strategies and adoption plans to satisfy government mandates.

Yet, adopting IPv6 is not simple. It must be addressed using a phased approach with careful validation and testing to avoid disrupting the IPv4 network or introducing vulnerabilities.

Solution: Cisco IPv6 Leadership, Experience, and Expertise

Cisco takes a phased approach to IPv6 adoption that is based on more than ten years' IPv6 industry leadership and includes proven methodologies, architectures, and best-practice guidelines.

Cisco has been a leader in IPv6 development since the mid-1990s. We have cochaired industry working groups and are a founding member of the IPv6 Forum. At the same time, Cisco Services has guided hundreds of customers globally through successful IPv6 adoption while preserving their technology investments and built best practices to address trends across industries. Our customers have included government agencies; large enterprises, including leading retail, financial, and services companies; and some of the world's leading service providers.

Cisco Strategy and Analysis Service for IPv6, Formerly Known as Cisco IPv6 Discovery Service
When you are in the early stages of considering a transition to IPv6, Cisco can help you explore the potential effects to your IT infrastructure and the benefits of transitioning. Through a multiday engagement, we help you understand what IPv6 can do, show you how to align your business strategy and IT strategy, and provide next steps and recommendations as you plan for successful adoption.

Cisco Assessment Service for IPv6 Architecture, Formerly Known as Cisco IPv6 Assessment Service

If you already have an IPv6 strategy, this service can help you determine how your network needs to change to support that strategy. Service activities and deliverables include:

- Align your business strategy and IT strategy to be consistent with the Cisco Strategy and Analysis Service for IPv6
- Gather your technical and business requirements for implementing IPv6 on your infrastructure, servers, and applications
- Analyze your network devices to determine IPv6 readiness and devices that need to be upgraded to support IPv6
- Assess your network architecture to identify challenges that might occur as you transition
- Recommend changes and upgrades

Cisco Plan and Build Service for IPv6, Formerly Known as Cisco IPv6 Planning and Design Service

Cisco IPv6 experts can create a network design for you based on industry-leading practices and years of IPv6 experience. This service provides designs and a transition strategy to enable introduction of IPv6 without disrupting your IPv4 network. Service activities and deliverables include:

- Review and refine assessment results through a one-day workshop
- Develop a high-level architectural blueprint for your IPv6 network
- Develop a detailed design, including configuration templates, for your IPv6 network devices
- Create a strategy for transitioning your current network to IPv6
- Create a test plan for validating the IPv6 design in a lab setting

Cisco Deployment Service for IPv6, Formerly Known as Cisco IPv6 Implementation Service

When you are ready to implement IPv6, Cisco can support testing to validate that your network is ready. In addition, we can provide implementation consulting services, including:

- Create a plan for implementing IPV6 in your lab, pilot network, and production network
- Develop test plans for each stage of the network implementation plan: lab, pilot network, and production network
- Provide consultative support and knowledge transfer sessions while you and/or your Cisco partner are validating the design and implementing the architecture

Cisco Network Optimization Service

After IPv6 has been deployed, assessment, design support, and testing of subsequent areas are handled through ongoing optimization. All aspects of this comprehensive, tightly integrated subscription package can support IPv6. Recommended activities and deliverables to help you absorb, manage, and scale IPv6 in your environment include:

- Determine additional changes that might be needed to continue to support your IPv6 strategy
- Review your IPv6 design priorities, goals, and requirements for modifying your existing architecture or design
- Provide ongoing design support for incremental IPv6 changes
- Evaluate the potential effects of proposed IPv6 network changes
- Help your staff succeed with IPv6 through ongoing support and learning resources

Why Cisco Services

Realize the full business value of your technology investments faster with intelligent, personalized services from Cisco and our partners. Backed by deep networking expertise and a broad ecosystem of partners, Cisco Services enable you to successfully plan, build, and run your network as a powerful business platform. Whether you are looking to quickly seize new opportunities to meet rising customer expectations, improve operational efficiency to lower costs, mitigate risk, or accelerate growth, we have a service that can help you.

Benefits

Cisco IPv6 Services help you to proactively budget time, money, and resources, and prioritize critical areas of your business and network, as you scale beyond IPv4 limitations. Our proven approach to IPv6 adoption helps you to:

- Understand how to align your business strategy and IT strategy as part of a thorough discovery process
- Determine how your network needs to change to support your IPv6 strategy by assessing your requirements and your network's architecture and IPv6 readiness
- Transition to IPv6 while protecting existing network, server, and application investments through careful planning and design
- Validate that your network is ready for IPv6 implementation through testing in a lab setting
- Absorb, manage, and scale IPv6 in your environment through incremental release into your production network, and ongoing optimization support and knowledge transfer

Availability and Ordering

Cisco IPv6 Services are available globally and can be purchased from Cisco and Cisco Certified Partners. Service delivery details might vary by region.

For More Information

For information about how IPv6 is changing the Internet and about IPv6 products, solutions, services, go to www.cisco.com/go/ipv6.

Cisco Services.
Making Your Business
Work Smarter.

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