IPv6 Enterprise Readiness Check

Service Overview

More and more enterprise network operators are realizing that they need to get ready for IPv6. Planning for the change is becoming a major consideration in large enterprise networks, whether it is to ensure that their users continue to have full access to new IPv6 content on the Web, to ensure that their own websites and applications are accessible to all customers and potential customers, to ensure that telecommuting workers continue to have remote network access, or simply to ensure that future network expansions and mergers go smoothly.

The IPv6 Readiness Check service is designed to assist customers plan for a successful IPv6 deployment.

Service Description

Considering the move to IPv6 leads to a number of questions and worries for enterprises:

- How do I create a safe, efficient IPv6 deployment plan?
- Do I need IPv6 throughout my network, or only for my public-facing services?
- When should I start deploying IPv6, and how long will it take?
- Are all the nodes in my network IPv6 capable, and if not, how extensive and expensive will it be to upgrade them?
- How do I design an appropriate IPv6 addressing schema for my network?
- What training does my technical staff need to get up to speed on IPv6?

Juniper Networks Professional Services has extensive experience addressing all of these questions and more. We have led IPv6 deployments in many types of networks of all sizes. We understand the unique requirements of different types of networks and different business models, and we have created and executed customized IPv6 deployment plans for unique networks in each of those categories. Our broad experience can be put to work to help you get started with IPv6 safely and economically.

The IPv6 Readiness Check service provides a complete examination of your network for IPv6 readiness, and it provides you with a best-practice deployment plan and address design.

The service is delivered via a logical, three-phase process:

Phase 1: Analysis

Gathering information to understand your current network, network components, common applications, and user profiles. Analyze this information and assess IPv6 capabilities already existing in the network to develop recommendations for systems requiring upgrade or replacement.

Phase 2: Deployment Planning

Work with your network architects to determine technology options, scope and timelines for IPv6 deployment.

A recommended deployment action plan is created that identifies:

- Parts of the network required to support IPv6
- Technologies to be used, if any (for example, carrier-grade Network Address Translation (CGN), tunneling, 6VPE, etc.)
- Recommended deployment phases

Phase 3: Address Design

The Professional Services consultant uses best practice principles, coupled with Phase 1 network information, to create an IPv6 address design that will enable you to meet today's business and technology goals and grow into the foreseeable future.

Your ideas. Connected.™

Features and Benefits

Feature	Feature Description	Benefit
Features and Benefits	Information is collected about your existing network and recommendations developed for system enhancement.	Optimize the network and systems for IPv6 deployment
Solution design, and implementation and migration planning	A deployment plan for IPv6 is jointly developed.	Create a mutually agreed upon plan that incorporates insight from your team as well as guidance based on prior Juniper engagements
Knowledge transfer	Best practices are leveraged to develop your IPv6 address design.	Ensure an effective and long-lasting approach to address structure Accelerate Pv6 deployment

Service Deliverables

This service provides you with the following:

1. IPv6 Network Assessment
2. IPv6 Deployment Plan
3. IPv6 Address Design

Juniper Consulting

As leaders in data centers and networks, Juniper Networks Professional Services consultants and engineers are uniquely qualified to assist you in designing, implementing, and optimizing network solutions.

Juniper Networks Professional Services helps accelerate your network's time to value, bringing revenue-generating capabilities online faster for bigger productivity gains, faster rollouts of new business models and ventures, greater market reach, and higher levels of customer satisfaction. Your onsite staff will work closely with Juniper specialists, building operational capabilities and reducing your exposure to IT risks. As a result of our previous experience involving hundreds of customers around the world, Juniper Networks Professional Services is uniquely qualified to help you design, implement, and optimize your network for confident operation and rapid returns on infrastructure investments.

Additional Services to Optimize Your Network

Juniper Networks provides additional consulting services to consider along with the IPv6 Enterprise Readiness Check service. A broad range of consulting and packaged services is available to help you enhance your network design and optimize your production environment.

Juniper Networks Services and Support

Juniper Networks is the leader in performance-enabling services that are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to maximize operational efficiency while reducing costs and minimizing risk, achieving a faster time to value for your network. Juniper Networks ensures operational excellence by optimizing the network to maintain required levels of performance, reliability, and availability. For more details, please visit www.juniper.net/us/en/products-services.

Ordering Information

Please contact your Juniper account manager, services business manager, or visit proservsales@juniper.net.

The IPv6 Readiness Check service can be ordered using the part number shown in the table below. Before the service begins, a statement of work (SOW) will be established outlining the scope of effort to be performed.

Model Number	Name
PRO-IPV6-CHECK	IPv6 Enterprise Readiness Check

About Juniper Networks

Juniper Networks is in the business of network innovation. From devices to data centers, from consumers to cloud providers, Juniper Networks delivers the software, silicon and systems that transform the experience and economics of networking. The company serves customers and partners worldwide. Additional information can be found at www.juniper.net.

Corporate and Sales Headquarters

Juniper Networks, Inc.

1133 Innovation Way

Sunnyvale, CA 94089 USA

Phone: 888.JUNIPER (888.586.4737)

or +1.408.745.2000

Fax: +1.408.745.2100

www.juniper.net

APAC and EMEA Headquarters

Juniper Networks International B.V.

Boeing Avenue 240

1119 PZ Schiphol-Rijk

Amsterdam, The Netherlands

Phone: +31.0.207.125.700

Fax: +31.0.207.125.701

JUNIPER
NETWORKS