

# Data Center Security Evaluation

## Service Overview

Juniper Networks Data Center Security Evaluation service enables customers to uncover security deficiencies in their current data center environment and better understand potential security risks as the volume of data and transactions grows in the coming years. This service provides insight and analysis of the alignment between an organization's existing security statement and the security capabilities currently in place.

Juniper Networks Professional Services consultants provide guidance on how any identified deficiencies can be addressed and, where appropriate, make recommendations to consider when planning for future growth.

## Service Description

Juniper Networks Data Center Security Evaluation Service is recommended for large organizations that have a formal security statement (a documented guide that describes the customer's security posture including rules of engagement, log retention, who has change authorization, problem resolution process, and related topics). It is particularly applicable for organizations for whom data center security is essential for continued business operation such as financial services companies and health care organizations.

Examples of the times at which you should consider this service include:

- The requirement for different security considerations has evolved since the security policy implementation, e.g., additional user environments are now required.
- The creation of a new security statement demands an audit of existing security capabilities to ensure alignment of the capabilities with the statement, e.g., the security statement is being enhanced to incorporate policies driven by social media.
- Anticipated increases in network traffic volume or new business initiatives require evaluation of the potential for the current environment to handle the expected changes and an understanding of the requirement for enhanced security capabilities.

This service helps ensure that the enhanced security policies and security environment are optimized for your business needs. It also mitigates against unnecessary costs associated with security vulnerabilities such as wasted capital expenditures (e.g., wrong number of firewall appliances or incorrect capacity planning resulting in a costly refresh sooner than needed), as well as wasted operational expenditures such as cost of power, cooling, and configuration on unnecessary hardware.

In addition to the financial benefits, this service helps ensure greater protection of your property, compliance with government mandated privacy, confidentiality, and financial data regulations, and improved overall security.

The service is available to all companies, regardless of the existing firewall provider. The service delivery consultants have in-depth experience in the security field and across products from Juniper and other vendors.

## Service Features

The service will take 5-10 days to complete. During this time, the consultant will review your security statement and security configurations for up to four environments (a customized service can be defined if evaluation is required for more than four environments). Included in the activities performed by the consultant are:

- Review current traffic capacity and projected growth of transaction rate for the defined environments
- Review security architecture to evaluate the number of firewall instances, segmentation/zones, and external connections to the Internet for these segments compared to the projected needs of the network

Develop recommendations to address areas where there are conflicts between the current security statement and associated network environments



Figure 1: Service process steps

## Service Deliverables

As part of the service, you will receive a written report summarizing the review and providing suggestions for improvements in segmentation, security policy, and recommendations for changes to ensure alignment with the security statement.

## Juniper Consulting

As leaders in networks and security, Juniper's consultants and engineers are uniquely qualified to assist service providers in designing, implementing, and optimizing security solutions. Our team appreciates the complexities and the subtleties inherent in large-scale internetwork design and can assist service providers and enterprises, or provide customized and integrated "turn-key" 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. These professionals understand today's network and security demands and those that are just around the corner—for bandwidth efficiency, best-in-class security, solid reliability, and cost-effective scaling.

The use of Juniper's consultants also avoids the requirement for you to have the necessary technical and security audit and evaluation skills in-house. And the evaluation can be completed faster, as you are not forced to wait until internal resources become available, nor do you have to address the issue of conflicting project priorities.

## Additional Services to Optimize Your Network

Juniper Networks provides additional consulting services to consider along with the Data Center Security Evaluation. For example:

- **Data Center Security Migration Readiness Assessment:** This service is designed to confirm your security requirements, provide recommendations on management and provisioning, and help you evaluate the readiness of your internal staff to perform a migration.

In addition, a broad range of consulting and packaged implementation services is available to help you enhance your network design and optimize your production environment. Services to consider in the early stages of your network review are:

- **Strategic Network Consulting:** In the planning stage of your project, this service will assist you in determining a strategy for your network architecture and a plan to translate such a strategy into an optimal solution. It is aimed at understanding your business requirements, determining the impact of the changes on your existing network infrastructure, and providing architectural guidance and recommendations to ensure that your network will be enhanced in a controlled manner.
- **High-Level Design:** Implementing a new network or security project starts with an evaluation of the requirements and a detailed rendering of the architecture to be used. The High-Level Design service defines the topology, protocols, and equipment required, mapping the design to your needs.
- **Low-Level Design:** Once the high-level design of a network is determined, the specifics need to be identified. The Low-Level Design service identifies the optimal configuration and equipment necessary to make your network a reality.
- **Testing Service:** Prior to implementation of a new network, Juniper Networks Testing Service provides you with an opportunity to combine your knowledge of your network's specific performance requirements with Juniper's sound foundation of network design methodology and products to create a customized test environment that simulates your unique end-to-end deployment scenario. This allows

you to avoid the cost of creating and operating your own test labs, reduces your project risk, ensures a seamless implementation of new technology into your production environment, and accelerates your time to deployment.

- **Firewall Conversion:** The Juniper Networks Firewall Conversion service provides your organization with time-tested firewall conversion methodologies and automated processes that minimize data entry errors. Our firewall conversion consultant delivers infrastructure and business analysis, as well as design, test, and deployment guidance.
- **Junos Space Security Director QuickStart:** This service provides the expert assistance of an onsite engineer to help rapidly get the most value from your Juniper product investment. During the onsite knowledge transfer process, your Professional Services consultant will provide expert guidance and learning resources to prepare your staff to install, configure, and operate your Juniper Networks® Junos® Space solution in day-to-day scenarios.
- **Juniper Security Threat Response Manager QuickStart:** This service provides the expert assistance of an onsite Professional Services engineer to help you get the most value from your Juniper investment. During the onsite knowledge transfer process, the Professional Services consultant will provide expert guidance and learning resources to install, configure, and deploy Juniper Networks STRM Series Security Threat Response Managers in your IT environment.
- **Junos Pulse Gateway QuickStart:** This is a QuickStart service for the initial implementation of Juniper Networks MAG Series Junos Pulse Gateways. It provides the expert assistance of an onsite engineer to help you get the most value from your Juniper investment in the shortest amount of time.

## 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](http://www.juniper.net/us/en/products-services).

## Ordering Information

The Juniper Networks DCI Assessment 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	Description
PRO-ASSESS	Data Center Security Evaluation

## 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](http://www.juniper.net).

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