

FIREWALL MIGRATIONS

Service Overview

Deploying a new Juniper Networks firewall solution is a necessary and smart implementation that will safeguard the security of your customers and organization, while maintaining your competitive advantage. For a rapid and smooth migration, it is critical for your team to understand the nuances of your current and new firewall products. You must also be prepared to quickly and confidently address typical conversion challenges created by interpretation errors, human errors, and zone-based versus single-zone policies. The Juniper Networks Firewall Migration service combines experienced consultants, proven processes, and tested technologies to reduce risk and accelerate migration to your new Juniper firewall.

Service Description

The Juniper Networks® Firewall Migration service provides your organization with a professional services firewall migration consultant who has extensive knowledge of CheckPoint, Cisco, and Juniper deployments. Using time-tested migration methodologies and automated processes that minimize data entry errors, your Juniper migration consultant delivers infrastructure and business analysis, as well as design, test, and deployment guidance. The Juniper Networks Firewall Migration service employs a proven approach refined through working with demanding clients throughout the world's most competitive industries. The service provides value through a logical, three-step process:

Step 1: Audit and Analyze

The Juniper consultant performs an initial firewall policy and configuration review to identify any security issues with the present firewall configuration and identify areas where policy clean-up can be performed.

Juniper's consultant then determines the optimum design based on your security requirements, while effectively using ScreenOS® features. Feature differences are identified, policy and object grouping issues are examined, and a zone-based policy migration is planned. In addition, design issues such as routing, Network Address Translation (NAT), high availability (HA), and other advanced feature sets are explored.

Step 2: Network and Workstation Object, Service Object and Policy Conversion

Using results from the first step, the Juniper consultant works onsite, employing automated and manual methods to convert your organization's firewall policy and configuration to a ScreenOS configuration, which includes:

- A custom service book and service group configuration
- A custom zone-classified address book and address group configuration
- A zone-classified set of ScreenOS policies
- NAT configuration

Then, the new configuration is imported into the ScreenOS device(s) and preliminary testing is performed.

If you use Juniper Networks Network and Security Manager for centralized device management, the device(s) will be imported. The configuration may be changed and optimized based upon the results of this initial testing.

Step 3: Migration and Production Cutover

Your Juniper consultant will develop a migration plan and work onsite to:

- Provide testing support before and/or during cutover
- Execute the cutover to production
- Monitor the function of the firewall devices after the cutover
- Fine-tune the configuration as required

Based upon test requirements previously identified, additional tests will be planned and executed, including function tests that verify routing and policy sets. If applicable, Juniper Networks will perform HA testing to verify the HA design and its configuration. Testing may occur prior to the scheduled cutover event(s) if there is a lab setup to work with, or during the cutover event. This testing occurs with support from your network and application teams.

Table 1: Features and Benefits

FEATURE	FEATURE DESCRIPTION	BENEFIT
Purpose-built firewall migration tools developed in-house	Arsenal of automated tools designed for optimized conversion assistance	Eliminates tedious tasks to minimize errors, reduce costs, and accelerate migration time
Audit and analyze	<ul style="list-style-type: none"> • Audit current policy and rule base with focus on security analysis and clean-up • Analyze policy to optimize conversion • Design a zone migration plan 	<ul style="list-style-type: none"> • Eliminates time and effort to develop migration process • Reduces costs and accelerates time-to-value of new firewall • Reduces chances of errors
Object and policy conversion	Convert firewall policy and configuration to ScreenOS configuration	<ul style="list-style-type: none"> • Reduces time and effort to create configuration files • Reduces or eliminates the costs of debugging and fixing errors introduced in configuration files during migration
Testing, migration, and cutover	<ul style="list-style-type: none"> • Plan and execute function tests that verify routing and policy sets, as well as HA tests if applicable • Develop migration plan and execute production cutover 	<ul style="list-style-type: none"> • Eliminates errors • Increases scalability of your network • Enhances stability • Accelerates availability of new firewall product for increased security and reduced risk
Knowledge transfer	Informal transfer of knowledge throughout the period of engagement	<ul style="list-style-type: none"> • Lowers the learning curve and prepares your staff to proactively solve any problems • Improves workforce productivity

Table 2: Service Specifications

JUNIPER RESPONSIBILITIES	CUSTOMER RESPONSIBILITIES
<p>Provide a Juniper professional services firewall migration consultant who will work both onsite and remotely to provide:</p> <ul style="list-style-type: none"> • High-level security design • Detailed migration plan • Functional and implementation test plan • Finalized ScreenOS configuration files for each firewall migrated • Knowledge transfer 	<p>Provide Juniper with:</p> <ul style="list-style-type: none"> • Representative configuration files and requirements • Copies of all legacy device configuration files • A designated project manager or point-of-contact to interface with Juniper Networks on day-to-day issues and the coordination of resources • External access to the Internet, internal access to your Intranet, and access to your network equipment, which the consultant will support • Access to applications, databases, and in-house technical resources that are essential for the consultant to perform duties successfully • Verification of Juniper Networks firewall product operation

Juniper Networks Service and Support

Juniper Networks is the leader in performance-enabling services and support, which are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to bring revenue-generating capabilities online faster so you can realize bigger productivity gains and faster rollouts of new business models and ventures. At the same time, Juniper Networks ensures operational excellence by optimizing your network to maintain required levels of performance, reliability, and availability. For more details, please visit www.juniper.net/us/en/products-services/.

Ordering Information

The Juniper Networks Firewall Migration Service is available globally. Please contact your local J-Partner or Juniper Networks field sales manager for details.

About Juniper Networks

Juniper Networks, Inc. is the leader in high-performance networking. Juniper offers a high-performance network infrastructure that creates a responsive and trusted environment for accelerating the deployment of services and applications over a single network. This fuels high-performance businesses. Additional information can be found at www.juniper.net.

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