

FIREWALL MIGRATION SERVICE

Service Overview

Deploying a new Juniper Networks firewall solution will help safeguard the security of your customers and organization while maintaining your competitive advantage. For rapid and smooth migrations from legacy vendors, it is critical for your team to understand and be prepared to address typical conversion challenges that can occur because of interpretation errors, human errors, and zone-based versus single zone policies. Juniper offers a Firewall Migration service that combines experienced consultants, proven processes, and tested technologies to reduce risk and accelerate migration to your new Juniper firewall.

Service Description

Juniper Networks® Firewall Migration service employs a proven approach refined through working with demanding clients throughout the world's most competitive industries. Firewall Migration is designed to streamline your conversion from legacy firewalls to your new Juniper firewall configuration, easing this critical transition. This service provides your organization with a professional services migration team that has extensive knowledge of a variety of legacy vendors. This team utilizes migration and conversion tools that have been developed using time-tested migration methodologies and automated processes, minimizing data entry errors and enabling you to convert to your new Juniper Networks Junos® operating system or ScreenOS® Software firewall efficiently and with complete confidence.

Juniper Networks Firewall Migration provides your organization with a professional services firewall migration consultant who has extensive knowledge of common firewall deployments. Your Juniper migration consultant delivers infrastructure and business analysis, as well as design, test, and deployment guidance. The Firewall Migration service is particularly important in reducing risk when you have the following migration objectives:

- Collapsing multiple firewalls into a single device
- Splitting a single firewall into multiple devices
- Requiring a security redesign

This 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 cleanup can be performed. The consultant then determines an optimum design based on your security requirements. 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 Step 1, the Juniper consultant works onsite, employing automated and manual methods to convert your organization's firewall policy and configuration to the new 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 policies
- NAT configuration

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

Step 3: Migration and Production Cutover

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

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

Based on 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.

Features and Benefits

Table 1: Firewall Migration Service Features and Benefits

Features	Description	Benefits
Audit and analyze	<ul style="list-style-type: none"> • Audit current policy and rule base with focus on security analysis and cleanup • 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 the chance of errors
Object and policy conversion	<ul style="list-style-type: none"> • Convert firewall and policy configurations to Junos OS or ScreenOS configurations 	<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 the network • Enhances stability • Accelerates availability of new firewall product for increased security and reduced risk
Knowledge transfer	<ul style="list-style-type: none"> • 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

Service Specifications

Table 2: Service Specifications

Juniper Responsibilities	Customer Responsibilities
Provide a Juniper professional services firewall migration consultant who will work both onsite and remotely to provide: <ul style="list-style-type: none"> • High-level security design • Detailed migration plan • Functional and implementation test plan • Finalized ScreenOS or Junos OS configuration files for each firewall migrated • Knowledge transfer 	Provide Juniper with: <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 the network equipment that 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 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

The Juniper Networks Firewall Migration service is available worldwide. Please contact your local Juniper Networks field sales manager for details.

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.

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