

QFABRIC TO EVPN/VXLAN IP FABRIC MIGRATION SERVICE

Service Overview

In order to gain the advantages of a modern QFX Series EVPN/VXLAN IP fabric network, there is a significant challenge to overcome in the migration of existing server endpoints, firewalls, and network services to the new platform without placing undue burden on application owners and end users.

Juniper Professional Services QFabric to EVPN/VXLAN IP Fabric Migration service manages the transition of QFabric data center deployments to new EVPN platforms. Proven methods and tools are used to provide a high degree of assurance, speed to completion, and reduced risk.

Service Description

The Juniper Networks® QFabric® to EVPN/VXLAN IP Fabric Migration service is designed for QFabric System customers seeking a managed transition to a new QFX Series IP fabric with Ethernet VPN/Virtual Extensible LAN (EVPN/VXLAN).

This service complements the IP Fabric Design and Deployment service as well as the Juniper Networks Contrail® Enterprise Multicloud Deployment service, starting with an up-and-running IP fabric with EVPN/VXLAN that is ready to accept traffic. This service manages the transition of all QFabric System connections and network functions to the new EVPN/VXLAN IP fabric, removing all connections and dependencies on the QFabric System.

The strategy employed in this service interconnects the existing QFabric System with the new IP fabric, incrementally migrating all elements as illustrated in the Juniper Tech Library configuration guide, [“Migrating from a QFabric System to an EVPN/VXLAN IP Fabric Architecture.”](#) With this strategy, the migration phases can be organized in a flexible manner, allowing them to be aligned with priorities such as minimal downtime, least cost, or rapid completion. Migration phases can also be organized based on a variety of logical and physical parameters such as per-application or per-rack. As part of this service, the Juniper Professional Services consultant will advise on the optimal phasing and grouping of the migration.

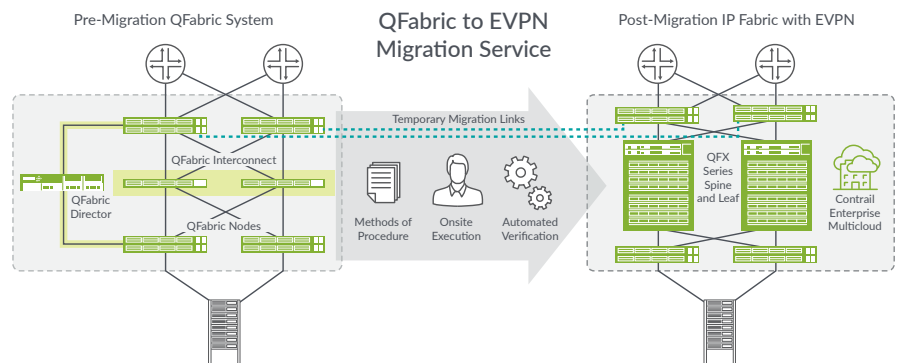


Figure 1: QFabric to EVPN migration service

Service Components—Features and Benefits

Components	Description	Benefit
Analysis	Capture and review current QFabric System design, configurations, state, usage, connected endpoints, application attributes/behaviors, etc. and map them to the new IP fabric design.	<ul style="list-style-type: none"> Leverage the skills and experience Juniper consultants have acquired working with hundreds of successful enterprise IT migrations.
Plan Development, Test, and Verification	Create a detailed Method of Procedure (MOP) for all migration phases, including all device configurations, safe stopping points, verification checks, and rollback procedures.	<ul style="list-style-type: none"> Leverage Juniper consultants' best practices to organize the network migration phases. Use automated tools to accelerate and optimize cutover times and mitigate migration-related risks.
Execution of Migration Phases	Work with customer operational contacts during change windows, drive all activities described in the MOPs, and react to situations that arise.	<ul style="list-style-type: none"> Leverage skill/experience/expertise and end-to-end ownership. Highlight areas needing further verification or troubleshooting as part of a pre/post verification data comparison.
Project Management	Work with a Juniper Professional Services project manager assigned as a single point of contact to assist with the administration and management of Juniper's service deliverables.	<ul style="list-style-type: none"> Reduce risks to your project by engaging experienced project management capabilities, which will help determine and track task lists, responsibilities, timelines, and milestones.
Knowledge Transfer	Transfer Professional Services knowledge, including topics such as configuration, troubleshooting, and feature parity with the previous design.	<ul style="list-style-type: none"> Accelerate infrastructure availability. Accelerate employee readiness for improved operational efficiencies.

Exclusions

The scope of this service is for migration only and does not include separately sold assessment, design, or deployment services. If you require additional services from your Juniper Professional Services consultant, please contact your Juniper Account Manager.

Additional Juniper Professional Services Options

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

The following consulting services are designed to help you plan your new EVPN/VXLAN IP fabric in advance of these migration services.

Assessment Services: These services help you build a roadmap for your data center transformation. For more information, please see Professional Services Assessments.

IP Fabric Design and Deployment Services: These services provide a customized and tested EVPN/VXLAN design leveraging automated tools for the rapid deployment of your new environment to a migration-ready state.

Contrail Enterprise Multicloud Deployment Services: This service deploys a new QFX Series-based IP fabric with EVPN/VXLAN network using Contrail Enterprise Multicloud as a controller and automation tool to initially configure all devices. The advanced network visibility provided by Contrail analytics is included as well.

IP Fabric Testing Service: Before introducing new features, code upgrades, or new applications to an existing IP fabric network, this service can test the proposed changes and identify problem areas or optimizations offline before entering production.

Juniper Networks Services and Support

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

To order the QFabric to EVPN/VXLAN IP Fabric Migration service, or for additional information, please contact your Juniper Account Manager.

About Juniper Networks

Juniper Networks brings simplicity to networking with products, solutions and services that connect the world. Through engineering innovation, we remove the constraints and complexities of networking in the cloud era to solve the toughest challenges our customers and partners face daily. At Juniper Networks, we believe that the network is a resource for sharing knowledge and human advancement that changes the world. We are committed to imagining groundbreaking ways to deliver automated, scalable and secure networks to move at the speed of business.

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

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

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