

# CISCO CATALYST CAT-OS AND NEXUS NX-OS TO EVPN/VXLAN IP FABRIC MIGRATION SERVICE

## Service Overview

*In order to realize the full benefits of a QFX Series EVPN/VXLAN IP fabric network, one must first overcome the challenge of migrating existing server endpoints, firewalls, and network services to the new platform without placing an undue burden on application owners and end users.*

*Juniper's Cisco Catalyst CAT-OS and Nexus NX-OS to EVPN/VXLAN IP Fabric Migration service manages the transition of Cisco CAT-OS and NX-OS data center deployments to new EVPN platforms, using proven methods and tools to provide a high degree of confidence, speed to completion, and reduced risk.*

## Service Description

The Juniper Networks® Cisco Catalyst CAT-OS and Nexus NX-OS to EVPN/VXLAN IP Fabric Migration service is designed for Cisco CAT-OS and NX-OS customers seeking a managed transition to a new Juniper Networks QFX Series-based 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 Contrail® Enterprise Multicloud Deployment service, beginning with an up-and-running EVPN/VXLAN IP fabric that is ready to accept traffic. This service manages the transition of all Cisco CAT-OS and NX-OS system connections and network functions to the new EVPN/VXLAN IP fabric, removing all dependencies on the Cisco CAT-OS and NX-OS systems.

This service is designed to interconnect and then incrementally migrate all elements from the existing Cisco CAT-OS and NX-OS environment to the new IP fabric. This strategy allows migration phases to be organized in a flexible manner, aligned to customer-specific priorities such as minimal downtime, lower cost, or accelerated completion. Migration phases can also be organized based on a variety of logical and physical parameters such as per-application or per-rack. A Juniper Professional Services consultant will advise on the optimal phasing and grouping of the migration per customer requirements.

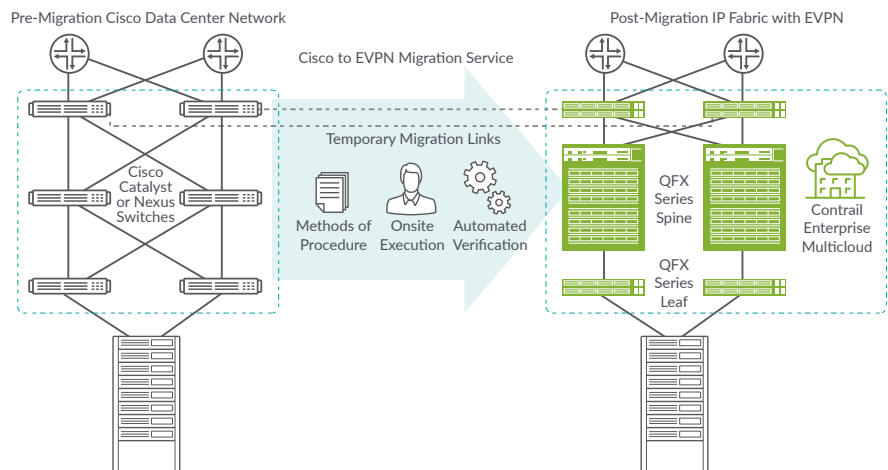


Figure 1: Cisco to EVPN/VXLAN IP Fabric Migration service

Components	Description	Features and Benefits
<b>Analysis</b>	Capture and review current Cisco CAT-OS and NX-OS 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"> <li>Leverage the specialized skills and experience that Juniper Professional Services has acquired over a variety of previous migration profiles.</li> </ul>
<b>Plan Development, Test, and Verification</b>	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"> <li>Leverage Juniper Professional Services best practices to organize the network migration phases.</li> <li>Use automated tools to accelerate and optimize cutover times and mitigate migration-related risks.</li> </ul>
<b>Execution of Migration Phases</b>	Work with customer operational contacts during change windows, drive all activities described in the MOP, and react to situations that arise.	<ul style="list-style-type: none"> <li>Leverage skill/experience/expertise and end-to-end ownership.</li> <li>Highlight areas needing further verification or troubleshooting as part of a pre/post verification data comparison.</li> </ul>
<b>Project Management</b>	Work with a Juniper Professional Services project manager as a single point of contact to assist with the administration and management of Juniper's service deliverables.	<ul style="list-style-type: none"> <li>Reduce risks to your project by engaging experienced project management capabilities, which will help determine and track task lists, responsibilities, timelines, and milestones.</li> </ul>
<b>Knowledge Transfer</b>	Transfer Professional Services knowledge, including configuration, troubleshooting, and feature parity with the previous design.	<ul style="list-style-type: none"> <li>Accelerate employee readiness for improved operational efficiencies.</li> </ul>

### 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 available to help you plan your new EVPN/VXLAN IP fabric in advance of these migration services.

**Advisory and Assessment Services:** These services help you build a roadmap for your data center transformation. For more information, please see [Professional Services Advisory Services Common Assessments Methodology](#).

**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 network 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 Services and Support

Juniper 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

To order the Cisco Catalyst CAT-OS and Nexus NX-OS to EVPN/VXLAN IP Fabric Migration service, or for additional information, please contact your Juniper Account Manager.

### 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.

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