Juniper AI-driven Campus Fabric User Guide

Juniper AI-driven Campus Fabric

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Introduction

As campus networks modernize, propriety technologies and complicated L2/L3 architectures start to show their age. Maintaining an agile environment with IoT devices and mobile users are made even more difficult by the lack of scale and mismanagement of configurations. To address these challenges, organizations have adopted EVPN-VXLAN–a common and open standard–but often find its added operational complexity to be a burden on IT teams to maintain configuration consistency across deployments. With the introduction of the AI-driven Campus Fabric Management via the Juniper Mist cloud, Juniper has solved the operation burden by enabling EVPN-VXLAN campus fabrics to be easily managed and deployed. Now, administrators can choose a topology and sit back while the software does the rest.

Design, Day 0
With AI-Driven Campus Fabric, deployment is planned & executed via the Juniper Mist cloud–giving you the added advantage of configuration consistency. Gone are the days of manually deploying your fabric via CLI.

Deploy, Day 1
Simplified ZTP onboarding via the Mist Cloud saves hours of configuration time in both greenfield and brownfield deployment, giving you the time & ability to architect your perfect EVPN-VXLAN fabric.

Operate, Day 2+
Once you have deployed your desired campus fabric architecture, Marvis & Mist AI help to monitor, manage, and remediate any issues that may arise. Wired Assurance gives you invaluable insights into your LAN to help you assure an epic user experience.

AI-driven Campus Fabric Components

Cloud ZTP
When unboxing your cloud enabled switch, onboarding it to the Mist cloud is as easy as scanning a QR code & claiming it.

Marvis Conversational Assistant

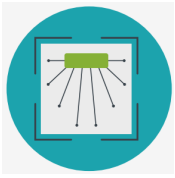
Marvis is your AI-driven problem solver and improves your mean time to resolution with expanded knowledge graphs. Marvis Conversational Assistant simplifies AOLs & takes Mist AI to the next level.

Mist AI

Mist AI is the AI engine born and built in the Juniper Mist cloud. Mist AI gets better with time and helps to assure epic experiences for your users.

Juniper Mist Cloud

Built with a microservices based architecture, the Juniper Mist cloud now gives administrators the ability to configure their campus fabrics based on 3 architectures (EVPN multihoming, core distribution campus fabric, campus fabric IP Clos)



Marvis Actions

Marvis Actions provide you with a ‘morning cup of coffee’ view containing status updates and problem resolutions in regard to your network.
Marvis Actions adds an extra layer of coverage to help your network stay up while keeping your trouble tickets down.

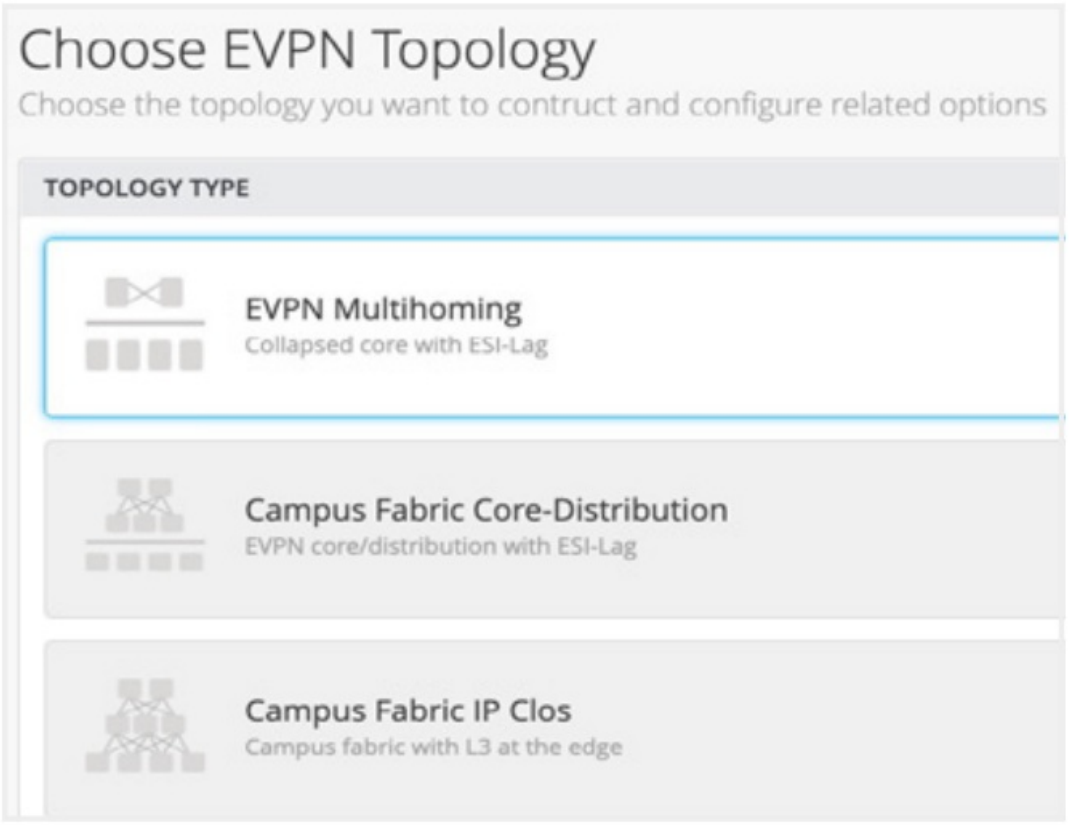
Wired Assurance

Wired Assurance simplifies the deployment and management of campus fabrics while also providing valuable insights and SLEs about your wired network.

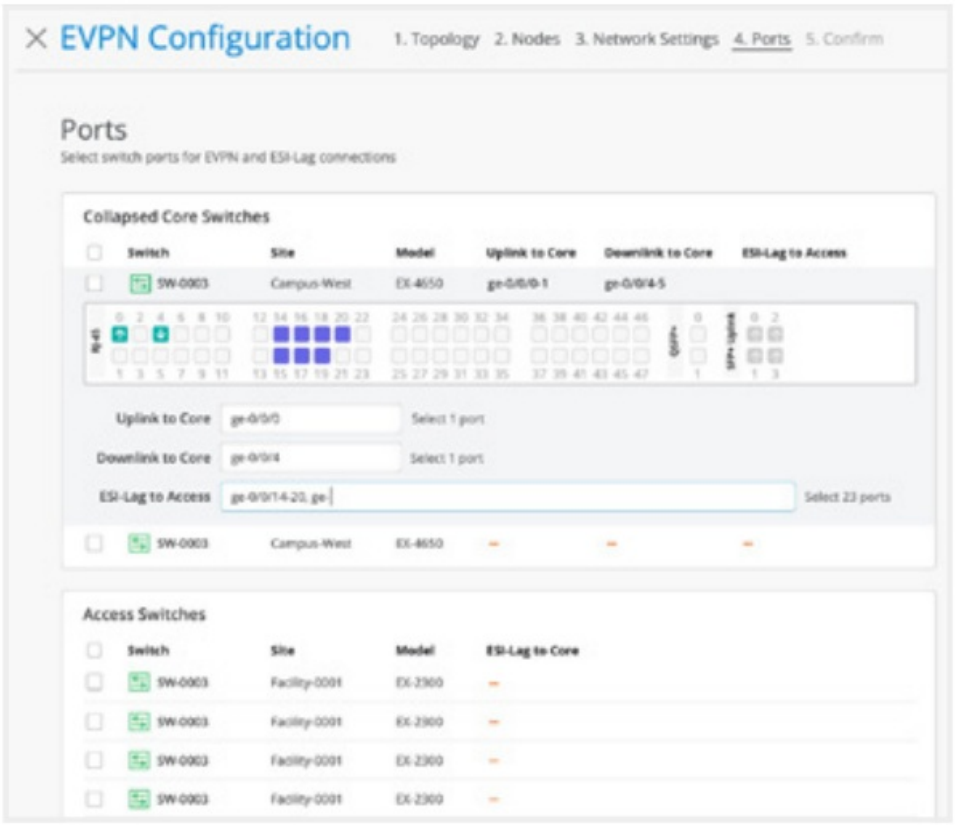
AI-driven Campus Fabric Architecture

Bringing simplicity and automation to campus deployments

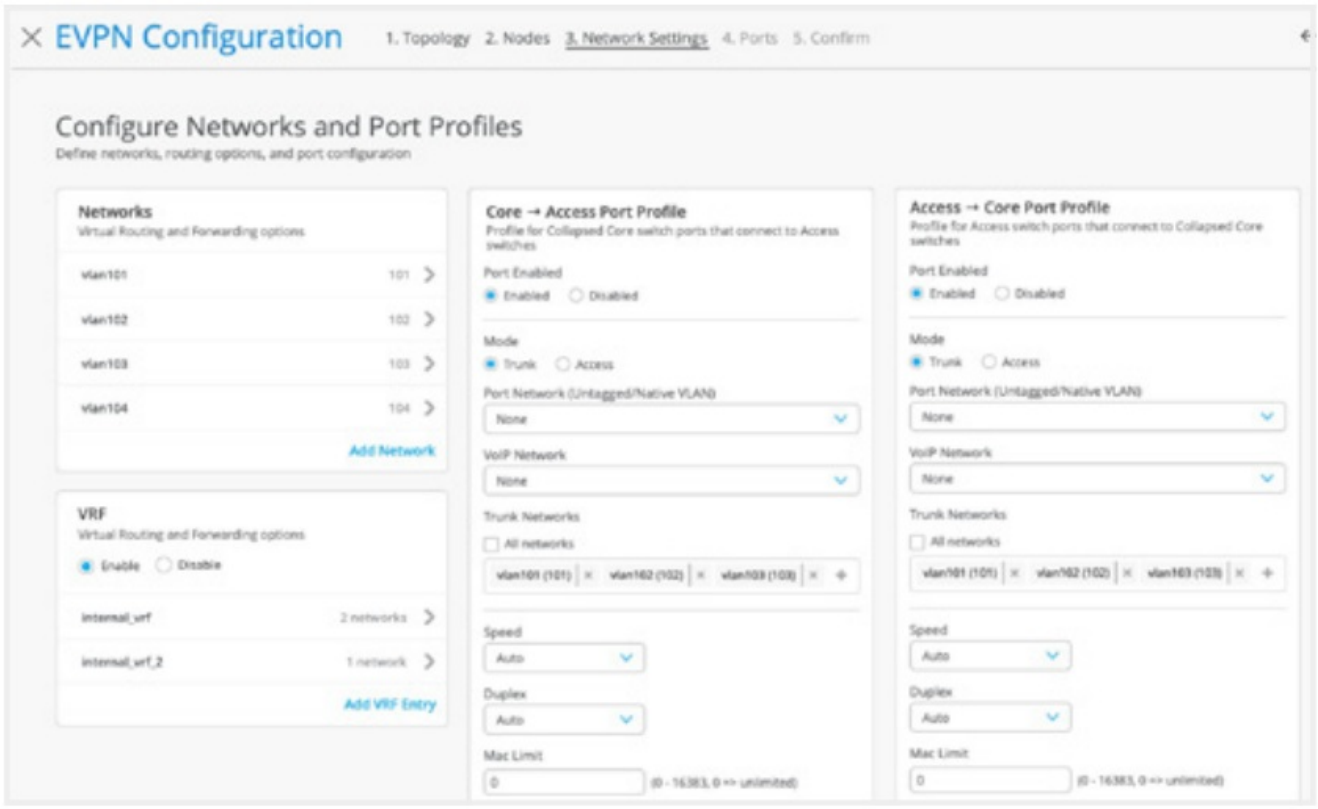
1. Choose the topology and determine device roles



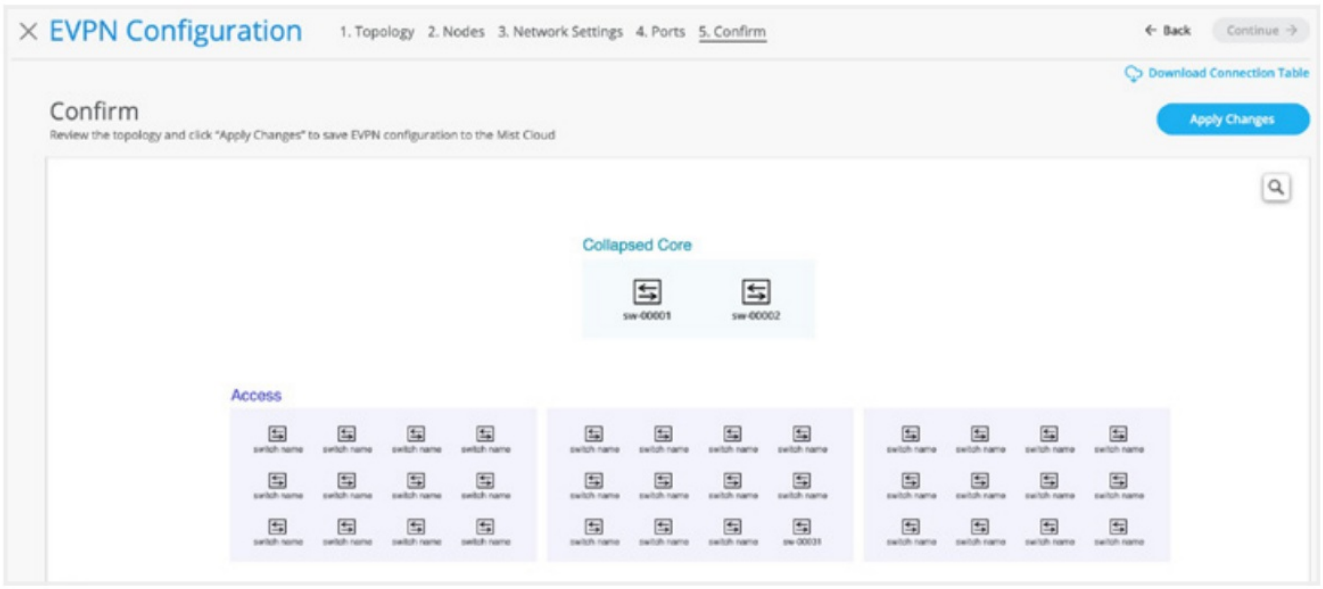
2. Define physical connections



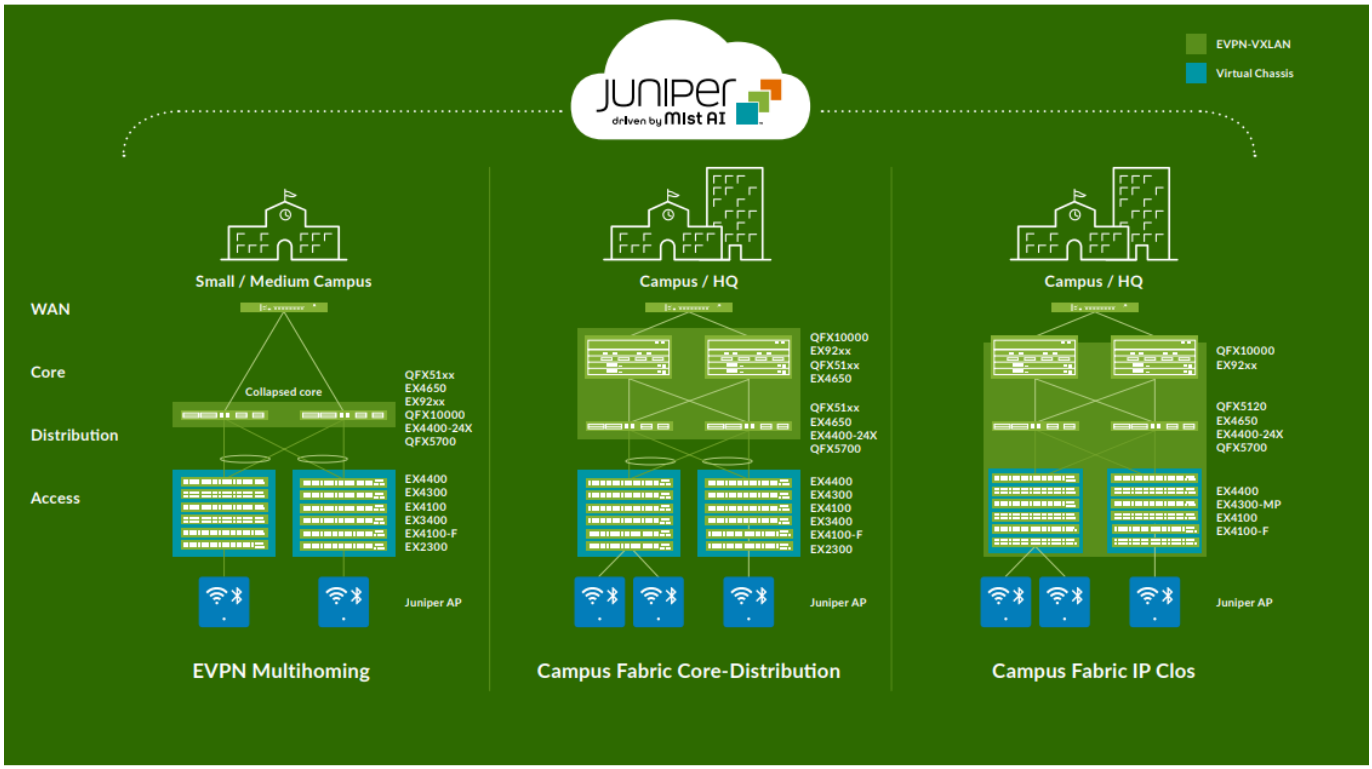
3. Define networks of interest



4. Apply the intent



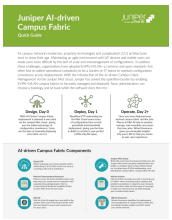
To find out more, [click here]



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
Fax: +1.408.745.2100
www.juniper.net

APAC and EMEA Headquarters
Juniper Networks International B.V.
Boeing Avenue 240
1119 PZ Schiphol-Rijk
Amsterdam, The Netherlands
Phone: +31.207.125.700
Fax: +31.207.125.701

Documents / Resources

	Juniper AI-driven Campus Fabric [pdf] User Guide AI-driven Campus Fabric, AI-driven, Campus Fabric, Fabric

References

- Juniper Networks – Leader in AI Networking, Cloud, & Connected Security Solutions