

Streamlining Branch Network Deployments with Juniper Validated Designs

Deploy more quickly and confidently, improve outcomes, and save valuable time

Discover how Juniper Validated Designs for the branch can help you design and deploy an optimal networking solution.

[Explore branch JVDs →](#)

The challenge

Navigating the complex landscape of branch deployments

Deploying successful branch solutions can present a myriad of issues and pressures, including:

- **Complexity**
With the rise of hybrid and multicloud strategies, teams are stretched thin trying to manage various platforms while maintaining operational efficiency and consistent performance
- **Security**
As cyber threats evolve, securing branch offices becomes paramount, requiring solutions that protect data and ensure compliance without sacrificing performance or visibility
- **Resource constraints**
Limited budgets and staffing mean that every deployment must deliver maximum value with minimal overhead and time spent designing and debating
- **User expectations**
Modern users expect fast, reliable access to applications regardless of their location, requiring a robust infrastructure that can adapt to changing demands



The capabilities you need

Fully tested, well-documented network designs

A Juniper Validated Design (JVD) is Juniper's recommendation for what designs, hardware, code versions, and features should be used to ensure the high-quality operation of a modern network. Rigorously tested to validate performance, stability, and scalability, JVDs allow operators to more confidently set performance expectations and ensure faster, more reliable deployments.

JVDs are comprehensive, **end-to-end blueprints for deploying Juniper solutions** in your network

Scalability

Validated designs are built out based on customer input and requirements and are tailored to meet specific common use cases at maximum scale

Reliability

Because JVDs are prescriptive designs used by multiple customers across various industries, all JVD customers benefit from lessons learned through a combination of both lab testing and real-world deployments

Velocity

JVDs have clearly defined performance profiles to help you make informed decisions about your network, resulting in up to 9x faster deployments

Predictability

JVDs undergo a rigorous testing framework to achieve validation with ongoing, automated verification in each new release

The answer

JVDs for the branch

JVDs for the branch offer a transformative approach to branch network design, deployment, and operation by addressing the challenges you face while delivering substantial business value and lower risk.

Current [JVDs for the branch](#):

[Distributed Enterprise Branch EX Series \(JVD\)](#)

Deploy Juniper EX Series Switches at branch locations with Juniper Mist Cloud for enhanced management and performance. Leverage Mist AI to streamline operations and gain insights into switch health and connected device performance.

[WAN Edge for SRX Series Firewall \(JVD\)](#)

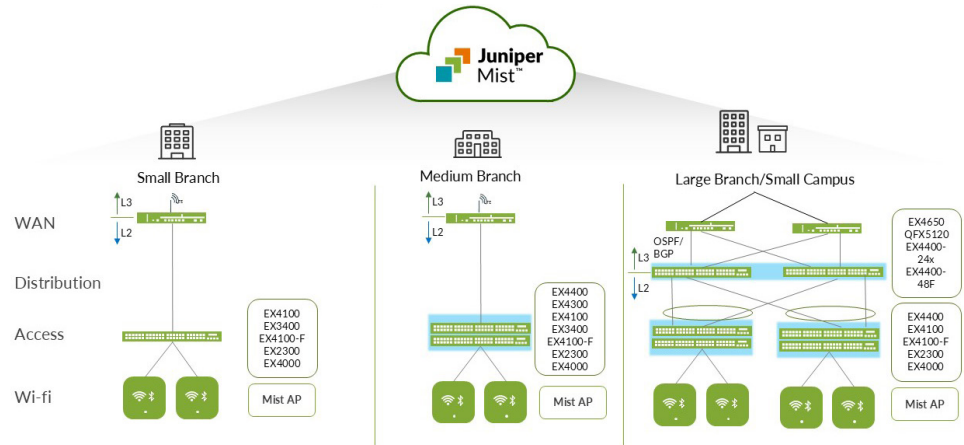
Discover how to optimize your network's WAN Edge with SRX devices and the Juniper Mist WAN Assurance cloud service. Benefit from improved security, simplified troubleshooting and monitoring, and streamlined operations.

How it works

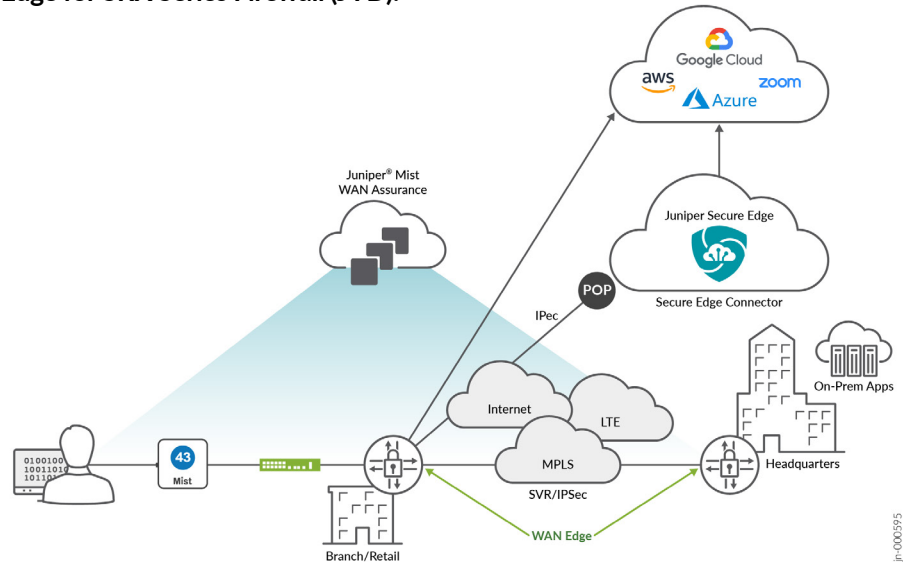
The transformative power of branch JVDs

JVDs offer an innovative approach to branch design, deployment, and operation by addressing the challenges you face while delivering substantial business value and lower risk.

Distributed Enterprise Branch EX Series (JVD):



WAN Edge for SRX Series Firewall (JVD):



Technologies and Solutions Used and Tested

- ZTP (Zero Touch Provisioning)
- Virtual Chassis/LAG
- Juniper Mist Cloud
- Templates/port profiles
- SD-WAN
- Juniper EX/SSR/SRX
- AP (access points)
- NAC/802.1X
- DHCP Snooping
- SLE (Service Level Experience)
- Marvis AI engine
- And many more...

Core capabilities

JVDs minimize operational costs while **reducing your IT burden and accelerating time to value**

Accelerated deployments	Branch JVDs provide battle-tested, best practice designs that streamline the deployment process. This means you can significantly reduce time to value, allowing your teams to focus on strategic initiatives rather than troubleshooting bespoke deployment issues
Enhanced security posture	With built-in security features and compliance frameworks, branch JVDs help you safeguard your branch networks against evolving threats that target traditional weak spots in the network. This not only protects your data but also instils confidence in your stakeholders and clients
Operational efficiency	Designed to be easily managed and maintained over time, branch JVDs leverage automation and orchestration capabilities to simplify management tasks. This reduces operational costs and allows your team to allocate resources more effectively, enhancing overall productivity
Improved user experience	Branch JVDs are designed with user experience in mind. By ensuring optimal performance for applications across all branches, you empower your employees to work efficiently, driving better business outcomes through increased productivity
Futureproof infrastructure	As technology continues to evolve, branch JVDs are built to adapt. This flexibility ensures that your branch deployments remain relevant and can support future innovations without requiring extensive rework

Our advantage

JVDs: Faster, smarter, more secure

The JVD program develops solutions that reduce complexity for networking teams, helping them:

- **Qualify solutions faster** with tested architectures for building networks with well-documented capabilities and product/software release guidance
- **Reduce risk** with products, features, and topologies based on best practices and common use cases
- **Achieve predictable, repeatable results** with designs that have been validated at scale to ensure you will have faster, more reliable deployments

Why Juniper

The NOW Way to Network

Juniper Networks believes that connectivity is not the same as experiencing a great connection. Juniper's AI-Native Networking Platform is built from the ground up to leverage AI to deliver exceptional, highly secure and sustainable user experiences from the edge to the data center and cloud. Additional information can be found at Juniper Networks (www.juniper.net) or connect with Juniper on [X](#) (Twitter), [LinkedIn](#), and [Facebook](#).

More information

Learn more about JVDs for the branch

To learn more about the Distributed Enterprise Branch EX Series JVD, visit <https://www.juniper.net/documentation/us/en/software/jvd/jvd-distributed-enterprise-branch-ex/index.html>

To learn more about the WAN Edge for SRX Series Firewall JVD, visit <https://www.juniper.net/documentation/us/en/software/jvd/jvd-wan-edge-for-srx.pdf>

Take the next step

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Design and deploy optimal solutions.

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