

Northstar Controller – Professional Services

Accelerate Time to Value of your Juniper WAN SDN solution

Service Overview

Time to market is a critical differentiator for your business. Your network can function as an enabler or a limiter of your ability to move swiftly and decisively.

Using SDNs in your WAN is a first step. Choosing Juniper Professional Services to deploy the NorthStar Controller is the next one.

Our team of experienced Juniper Networks consultants plus select certified Professional Services partners can implement the NorthStar Controller more quickly and cost-effectively than you can on your own.

With our deep network expertise, advanced skillsets, and familiarity with NorthStar Controller, Juniper Professional Services consultants ensure that you get the most out of your investment in your WAN SDN.

Service Description

At a time when service providers and large enterprises are both under pressure to rapidly deploy network services while reducing operating and capital expenses (OpEx and CapEx), your network is no longer static. Yet it's no longer economically viable to tolerate idle network infrastructure while passively anticipating growth. Excess capacity equals financial leakage.

This is where software-defined networks (SDNs) in WANs come in. Juniper Networks® NorthStar Controller transforms your WAN into an agile, responsive, programmable, and flexible network. It puts you in control and gives you meaningful insight into traffic flow and processes occurring in real time at a highly granular level. You only provision what you need. Most importantly, you can move swiftly when needing to accommodate additional demands on your network.

However, the newness and complexity of today's multivendor WAN SDN networking environments make planning for, configuring, and operating NorthStar Controller challenging. Whether due to budget, resource, or skill constraints, many organizations lack the ability to deploy this powerful WAN SDN solution in a timely and cost-effective manner.

Juniper Professional Services is the answer. Our team of experienced Juniper Networks consultants and Professional Services partners are certified as meeting Juniper's strict requirements for providing NorthStar Controller consulting services.

By customizing your NorthStar Controller deployment, our professional services engineers save you both time and money.

With Juniper Professional Services, you minimize NorthStar Controller implementation and training time and costs while optimizing operational efficiency. With Juniper Professional Services, you get a much broader choice of network vendors; greater consistency of deployment; better control of your network configuration; and improved network compliance.

All this adds up to significant improvements in the ROI of your NorthStar Controller investment.

Better Together: NorthStar Controller and Juniper Professional Services

Juniper Networks NorthStar Controller enables network operators to optimize their network infrastructure through proactive monitoring, planning, and explicit routing of large traffic loads dynamically based on any specified constraints. This allows operators to run their networks "hotter" while ensuring predictability, resiliency, and service-level guarantees.

However, because SDN WAN environments are so new, few organizations have the expertise to effectively deploy NorthStar Controller in a way that allows them to leverage its full capabilities.

Your ideas. Connected.™

In particular, they face the following challenges:

Scalability—Many organizations will implement SDN architectures that require centralized or partially distributed NorthStar Controllers to interface with data planes on multiple devices. Organizations must take care that the controllers don't turn into network bottlenecks.

Service-level agreements (SLAs)—Organizations must ensure that network and applications SLAs are met as the network changes to accommodate different levels of demand.

Interoperability with legacy networks—Although it's relatively straightforward to implement SDN in new networks, transitioning a legacy network to SDN is challenging. Most organizations will have to transition gradually to SDN and will have to support a hybrid legacy-SDN network infrastructure.

By engaging Juniper Professional Services to plan, configure, and operate NorthStar Controller, large enterprises and service providers alike can significantly accelerate the time to value of this next-generation solution, rapidly delivering new applications and services and utilizing capacity in a way that reduces both CapEx and OpEx

The Juniper Professional Services NorthStar Controller Deployment Process

From planning, to configuration, to installation and ongoing maintenance and support, Juniper Professional Services provides a robust portfolio of services that continually optimize the performance of your SDN WAN. Our consultants act as an extension of your team, delivering the expertise you need to connect your people, applications, and data in the most efficient way possible.

Service Overview

To begin the engagement, a Juniper project manager will meet with you to address engagement planning and execution activities, including technical and logistical prerequisites and target completion dates.

When appropriate, a Juniper consultant will be assigned to thoroughly assess your current deployment and develop and execute a detailed set of recommendations to improve performance and meet business and technology upgrade objectives.

Key Benefits

- Speed time to value
- Minimize risk
- Streamline operations



Figure 1: The Benefits of Using Juniper Professional Services for NorthStar Controller

PLAN (Assess)	PLAN (Design)	BUILD (Deploy)
<p>NorthStar Controller adoption assessment</p> <p>Create a NorthStar Controller adoption roadmap by evaluating your environment, interviewing stakeholders, and determining gaps in process.</p>	<p>NorthStar Controller deployment planning</p> <p>Develop a plan for deploying NorthStar Controller based on your requirements identified during the assessment phase and on Juniper best practices. Identify key performance indicators (KPIs) and related business outcomes.</p>	<p>NorthStar Controller configuration and implementation</p> <p>Deploy NorthStar Controller in your environment, taking care to benchmark KPIs identified during the planning phase to trend the changes enabled by NorthStar Controller. Monitor the implementation and execution of processes by your staff, revising them as necessary, to ensure the long-term success of this powerful traffic optimization WAN SDN solution.</p>

Ordering Information

Juniper Networks Professional Services are available worldwide as part of a broad range of engagements. In addition to customized engagements, examples of predefined engagements and their descriptions can be found at www.juniper.net/us/en/products-services/services/technical-services/professional-services/.

Please contact your Juniper Networks account manager for additional information and to find out how Juniper Networks can help you address your business and technology challenges.

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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