![Juniper Networks — Driven by Experience]

# JUNIPER APSTRA AT A GLANCE

*Reliable operations across any vendor, any topology, any data center*

## Benefits

### Reliable

Deliver automated, intent-based network deployment and operations from Day 0 to Day 2 and beyond with validated and repeatable designs. Continuous validations for network deviations and roll back function ensure uptime and superior customer experience.

### Single Source of Truth

Get complete life-cycle management across vendors in one single software. Specify the business goal through validated templates, and Apstra ensures correct configuration.

### Secure

Design and enforce traffic segmentation in the fabric, continuously track network configurations against expected state, ensure security enforcement at a granular level, and get alerts for any policy deviation.

### Agile

Deploy and scale quickly, significantly reducing time to market. Reduce Mean Time to Resolution (MTTR) with intent-based analytics.

### Flexible

Exert more influence over the network design beyond validated blueprints with Apstra Freeform.

## Rethink Intent-Based Data Center Operations

Designing, deploying, and operating a data center network is not easy, and the bar is now higher because of increasing demand for faster service delivery, supply chain issues, and growing complexity. Higher volumes of data traffic, more distributed applications and end users, and fewer resources are among the trends that leave networking teams scrambling to keep up with day-to-day demands. Creating and operating a modern data center network requires a new focus on business outcomes and the experience delivered to both network operators and end users. That's where Juniper® Apstra software comes in.

Juniper Apstra is the industry's only solution that provides intent-based networking and automation across vendors. Design and specify the desired business outcomes—that is, the intent, and Apstra advanced automation sets up the network and ensures that it runs as intended. If brownouts or deviations occur, Apstra alerts you and self-remediates. Simply specify the "what" and Apstra delivers the "how."

### Accelerate Positve Business Outcomes

- 70% Improved MTTR
- 80% Improved Operational Efficiency
- 90% Faster Time to Delivery
- 320% ROI
- <6 Months Payback

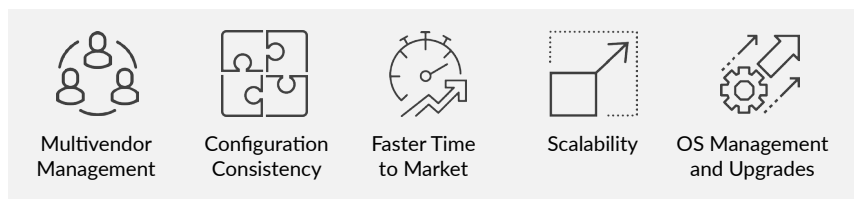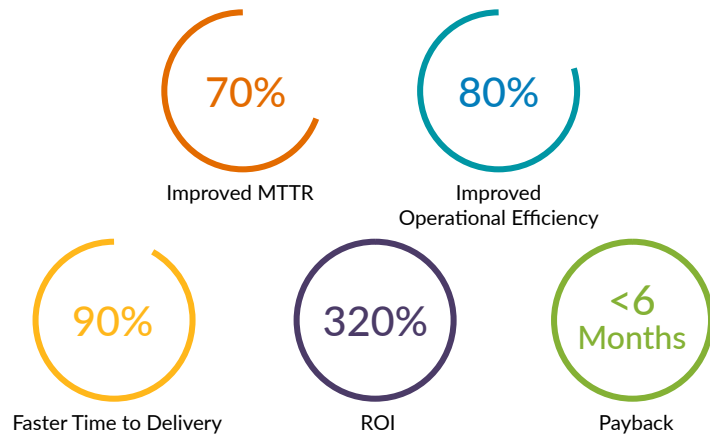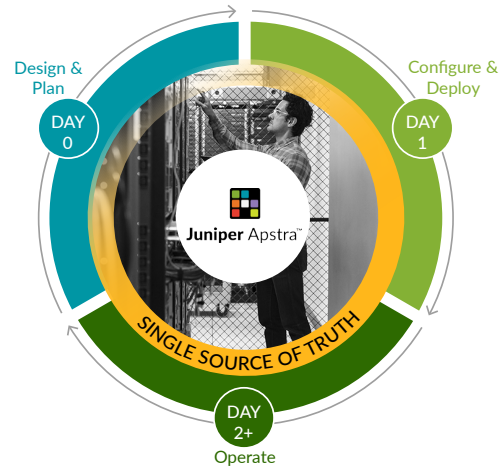| Multivendor Management | Configuration Consistency | Faster Time to Market | Scalability | OS Management and Upgrades |

*Figure 1: Benefits are seen throughout the full networking lifecycle.*

## Single Management Platform from Day 0 Through Day 2

Design, deploy, and operate your data center network with one single software. The entire network is continuously validated against the intended outcome based on a single source of truth, providing consistent data without the risk of siloed teams working with different information.

## Apstra Meets the Challenge
### Juniper Apstra Data Center Fabric Management and Automation Solution

✓ Intent-based networking

✓ Reliability ❯❯ Speed

✓ Only multi-vendor solution

*Figure 2: Single management for reliable Day 0, Day 1, and Day 2 operations*

## Ensure Operations Run Reliably and Consistently

Apstra automates Day 2 operations and provides pre-change analysis and continuous validation, ensuring changes are done correctly the first time and are repeatable. Blueprints are used to collect all the information needed to operate the network based on intent, and templates make it easy to create multiple blueprint designs with identical specifications. When coupled with Apstra's high scalability, new services can be set up quickly and reliably, with peace of mind knowing the network is consistent, secure, and resilient.

In addition, Apstra provides visibility into the entire network, cutting through "data fog" with analytical probes and root cause identification. This visibility dramatically accelerates tech support and problem resolution. Apstra also provides incident management, change management, and compliance and audit tracking, as well as maintenance-mode capabilities to shorten maintenance windows. The Time Voyager feature stores configuration history, making it easy to revert to a previous network state all at once (even in a multivendor environment) if a change causes unexpected issues.

## Avoid Vendor Lock-In with Multivendor Support by Apstra

The Juniper Apstra intent-based networking solution supports the industry's widest range of hardware and software vendors, including open standards-based offerings. This means you have the flexibility to choose the desired hardware and software. Apstra provides an abstraction layer based on logical designs across vendors, so networking teams do not waste time learning multiple automation tools; instead, they can focus on innovating to deliver even greater business success.

## Flexibility—From Blueprints to Automation DIYers

While the existing Apstra reference designs provide a curated experience for operators with strong guardrails and powerful intent-based analytics, some organizations possess unique deployment requirements that demand more flexibility and choice with certain protocols, features, and architectures. The latest Apstra release includes Freeform—a new reference design—that delivers flexibility and choice. With Freeform, automation DIYers and DevOps experts can exert more control over the network design of their choice.

## Start Your Automation Journey Today

As the demands of a data-driven world soar, operations must take center stage. Apstra intent-based networking software delivers the reliability, security, and simplicity you need to deliver a better networking experience. For more information about Juniper Apstra software, please visit www.juniper.net/apstra.

## About Juniper Networks

At Juniper Networks, we are dedicated to dramatically simplifying network operations and driving superior experiences for end users. Our solutions deliver industry-leading insight, automation, security, and AI to drive real business results. We believe that powering connections will bring us closer together while empowering us all to solve the world's greatest challenges of well-being, sustainability, and equality.



**Driven by Experience**™

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