

# JUNIPER APSTRA AT A GLANCE

Optimize your data center experience with multivendor intent-based networking that ensures reliability and simplifies operations

## Benefits

### Reliability

Automate network deployment and operations from Day 0 to Day 2 and beyond with validated and repeatable designs, along with error-proof Day 2 operational workflows, one-click rollback, and continuous validations for instant feedback on network deviations.

### Simplicity

Manage workflows easily, even with minimal networking expertise, by automating manual tasks and eliminating vendor-specific configurations.

### Zero-Trust Security

Enable network security teams to 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 security deviation.

### Resource Optimization

Utilize IT resources more efficiently using validated designs, as well as automated and assured operations, freeing up networking teams to focus on strategic business initiatives.

### Agility

Deploy and scale quickly, while significantly reducing service delivery times, mean time to resolution (MTTR), and maintenance windows.

## Rethink Data Center Operations with Intent-Based Networking

Designing, deploying, and operating a data center network is no small task. 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, ultimately, end users. That's where Juniper® Apstra software comes in.

Juniper Apstra employs an intent-based networking approach that lets you begin your design by specifying your desired business outcomes—that is, your intent. Based on that information, Apstra software's advanced automation sets up the network, ensures that it runs as intended, alerts you when brownouts or deviations occur, and manages changes and maintenance—all with the click of a button. You simply specify the "what" and Apstra delivers the "how."

### On average, customers realize over:

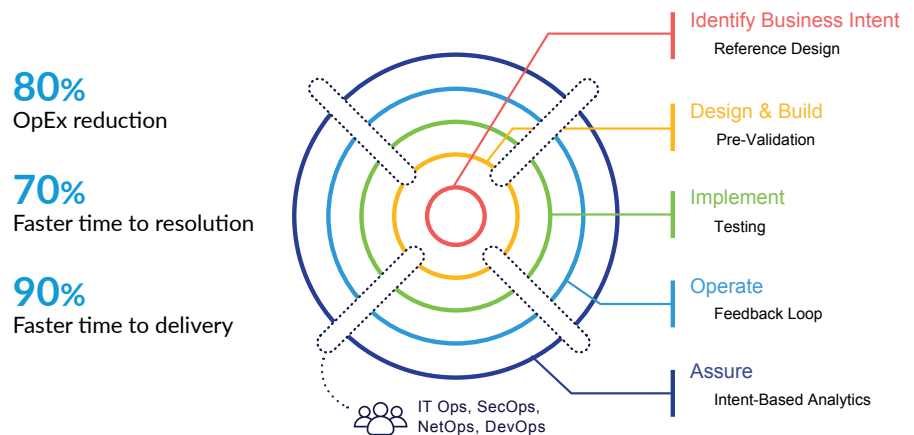


Figure 1: Benefits are seen throughout the full networking lifecycle.

## Use a Single Management Platform from Day 0 Through Day 2

Apstra software provides a single management platform from which you can design, deploy, and operate your data center network. Your entire network is continuously validated against your intended outcome based on a single source of truth, giving you consistent data without the risk of siloed teams working with different information.

## Make Sure Operations Run Smoothly and Consistently

Apstra software not only automates Day 2 operations but also provides pre-change analysis and continuous validation, ensuring that changes are done correctly the first time and are repeatable. Blueprints are used to collect all the information needed to operate your network based on your intent, and templates make it easy to create multiple blueprint designs with identical specifications. This allows you to set up new services quickly and reliably while making sure your network is consistent, secure, and resilient.

In addition, Apstra gives you visibility into the entire network, cutting through "data fog" with analytical probes and root cause identification. Apstra software also provides incident management, change management, and compliance and audit tracking, as well as maintenance-mode capabilities to shorten maintenance windows. An Intent 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 Apstra's Multivendor Support

The Juniper Apstra intent-based networking solution supports the industry's widest range of hardware and software vendors, including open standards-based offerings. That means when it's time to deploy new services or modify your network, you'll have the flexibility to choose the hardware and software that best meets your needs. Networking teams managing multivendor environments won't need to waste time learning various automation tools; instead, they can focus on innovating to deliver even greater business success.

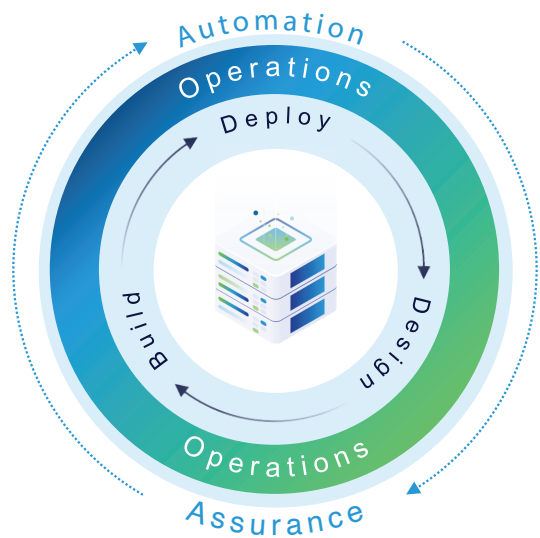


Figure 2: The Apstra solution continuously automates and validates the network.

## Start Your Automation Journey Today

As the demands of a data-driven world continue to soar, your 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](http://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.

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