

JUNIPER APSTRA FOR FEDERAL GOVERNMENT: AT A GLANCE

Automate and validate network architecture and operations

Benefits

Reliability

Reliably automates your network deployment and operation by continuously validating changes, alerting you if anything deviates from the original intent.

Flexibility

Allows you to easily deploy and operate your network, either in a single- or multivendor environment, as a result of an open architecture design.

Agility

Provides you with a highly scalable and versatile network through advanced analytics, automation, and validation starting at Day 0.

Resource Efficiencies

Converges architect and operator roles, resulting in greater knowledge retention and more efficient use of IT resources to meet increased organizational demands.

Speed

Drastically reduces the time to deliver network infrastructure services and implement network change, while leveraging intent-based analytics to predict and eliminate the number and duration of network outages.

Reliably Deploy and Operate the Network

Juniper® Apstra automates and validates both the data center network's architecture as well as its operations. Employing a single source of truth, Apstra continuously validates the network against expressed intent, eliminating complexity, vulnerabilities, and outages to ensure a reliable, secure, and resilient network even in the face of change.

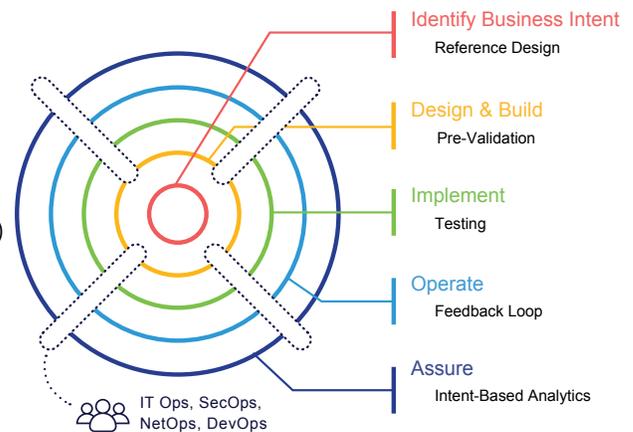
Apstra uniquely converges design and operations to deliver robust deployment and operational efficiencies. It also provides compelling value to the agency or department by eliminating traditional network constraints that force network engineering teams to choose between speed and reliability. The result is order-of-magnitude savings on downstream costs and tremendous returns on networking investments.

On average, customers realize over:

80%
Improvements in operational efficiency

70%
Improvements in MTTR (Mean-Time-To-Resolution)

90%
Faster time to delivery



Automation



Rapid Deployment



Scale



Reliability



Operation Simplicity

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

Apstra was developed by architects and operators for architects and operators.

Architects

Data center deployments are increasingly complex, especially for manual node-by-node configurations and provisioning, potentially leading to errors, inconsistencies, and delays. Apstra dramatically simplifies network implementation by supporting both single- and multivendor switch environments as well as a range of network operating systems. The system's open architecture allows organizations to design a network that meets their business requirements first, then select the hardware that best aligns with that design.

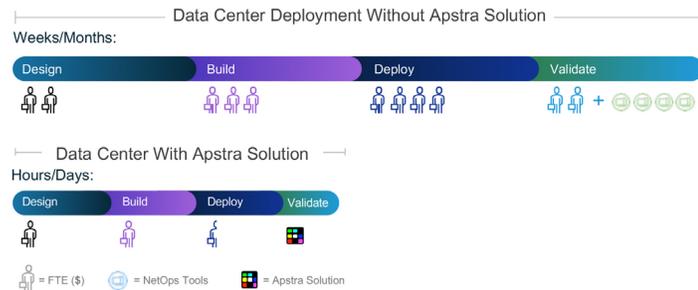


Figure 2: Automation improves efficiency.

Apstra reduces the design and deployment process from months or weeks to just days or even hours. It extends this into operations, continuously validating changes against the network design, while predicting and eliminating changes that could impact the architect's original intent.

Operators

Operators are under constant pressure to do more with less. Stagnant or even shrinking budgets and resources, compounded by network complexity, result in delayed responses when changes occur.

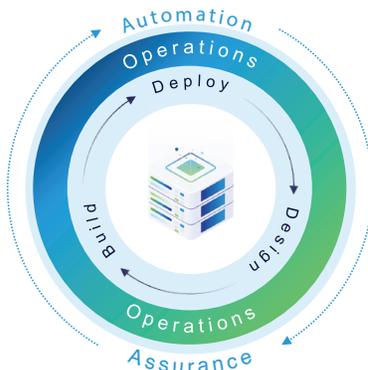


Figure 3: The Apstra solution continuously automates and validates the network.

Network teams no longer have to decide between doing something right or doing it fast.

Apstra continuously validates changes, alerting teams when changes that might cause brownouts or deviations from the original intent are initiated or detected. Thanks to its unique technology, the system maintains a consistent and streamlined operational model across the infrastructure and eliminates the painful trade-off between agility and reliability. This enables data centers to continue operating and allows operators to focus on mission objectives.

Next Steps

Juniper has extensive experience working with federal agencies and supporting their specialized network and security requirements. We offer IC/DoD-certified solutions for missions that demand unflinching network performance.

Juniper Federal Services are designed to provide an enhanced, secure, end-to-end U.S.-based customer support experience, including Advanced Care Service, Advanced Care Plus Service, Premium Care Service, Flexible Services Credit, and High Security Return Materials Authorization and Non-Return Service.

Contact your federal account manager for more information.

To learn more about Juniper solutions for federal, visit www.juniper.net/us/en/solutions/federal-government.html.

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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