

Juniper is transforming data centers for EXPERIENCE FIRST

OPERATIONS



Data Center Strategy: Products

Application Integration



- Kubernetes
- VMware integration

- Secure overlay
- Multicloud deployments

Operations Led



Automation Practice

- Integrations
- Tools and repositories
- Support and services



Automation Solutions

- Day 0/Day 1/Day 2
- Intent-based networking
- Closed-loop assurance
- Multivendor

Foundational



Platforms

- Cost-optimized 25G/100 Gig
- 400 Gig platforms
- Cloud-optimized software
- Best EVPN-VXLAN fabrics



Telemetry

- Instrument everything
- Distributed architecture
- Industry standards-based

Data Center Strategy: Top Juniper Markets





Large Enterprise \$4.7B TAM ('20)

- Fortune 2000, Global 5000, Large Gov't, Education, SP IT
- Top Insertions: Automated DC and 100 Gig transition
- Stand apart with **Automation Software**





Cloud Majors \$2.6B TAM ('20)

- SAS and large cloud properties
- Top Insertions: DevOps and 400 Gig transition
- Stand apart with Operations and Scalability



Hyperscaler \$4.6B TAM ('20)

- 8 largest cloud providers
- Targeted technology needs





Bloomberg







GROWTH DRIVERS

01

Execution on 400 Gig



UPGRADE CYCLE

Execution Focus

02

Disruptive acquisition: Juniper and Apstra



PORTFOLIO INNOVATION

Product Focus

03

Disruptive development



TECHNOLOGY

Product Focus

04

Systems integrators



MARKET REACH

Execution Focus

Growth Driver **Execution on 400 Gig**

100 Gig transition

• Learned from experience

400 Gig transition

- First to market with Trident 4 platform
- Streamlined embedded Junos software
- Operations-optimized platforms



Ram Velaga Senior Vice President and General Manager Core Switching Group, Broadcom

"Juniper is the first to offer its customers a solution with the programmable power of the Broadcom <u>Trident 4</u> merchant silicon. By extending the broad array of the Junos OS forwarding functions to a programmable 400G merchant chipset, Juniper is delivering a diverse set of use cases now economically available to more buyers."



Rene Avi, CTO, next layer

"400G is critical to keep up with our customers' exploding traffic growth in data center, metro and long-distance applications. Juniper QFX5220 switches with the extensive and mature IP/MPLS stack deliver the port density, cost-per-bit, and operational simplicity we need to deliver the performance and reliability of services that our customers depend on every day."

)2

03

TECHNOLOGY





Unmatched approach

- Assured operations start with design intent
- Built for purpose by top engineers

Powerful insertion

- Operational simplicity
- Application transitions
- Multivendor operation and migration

Business outcomes

"We went from POC to production in 2 weeks."

Beelastic

One operations model, three vendors





Adel Al-Saleh CEO, T-Systems

"Our success depends on rapidly introducing new services, quickly scaling to new demand and delivering the assured experiences our customers count on every day. Juniper Networks and Apstra joining forces as one company helps T-Systems"



Tom Nolle **Industry Analyst CIMI Corp**

"The thing that makes this smart is the simplicity and clarity of the vision. Unlike Cisco's container strategy, which admitted to multiple possible justifications and thus multiple possible paths to realization, there seems to be one single thing—experience control end to end—that's driving Juniper."

02



Growth Driver **Automated Data Center**

Unmatched Automation

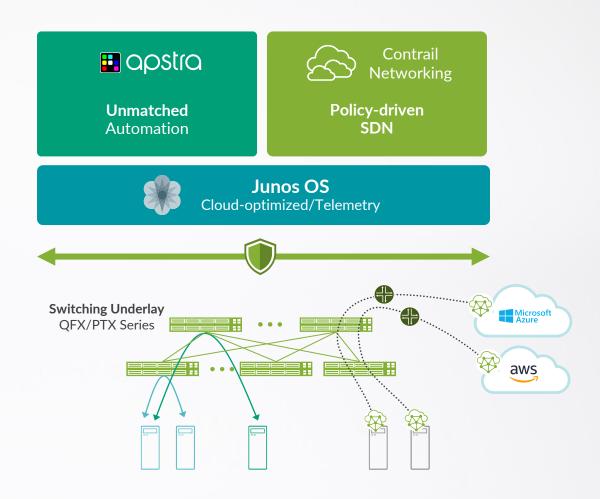
Policy-driven SDN

Cloud-optimized OS

Best Switches

Connected Security

Automated WAN



Growth Driver Disruptive Development



TECHNOLOGY



Mist + Apstra

On-prem + cloud

Target: Large Enterprise



Contrail/K8s

Edge cloud

Silicon photonics

SmartNICs





Disaggregation

SONIC

Containerized routing

Target: Hyperscalers



REACH

MARKET

Growth Driver Market Reach

Systems Integrators

- Existing success at major SIs across the globe
- Leverage services strength to support SI motion
- Apstra multivendor management gives SIs a solution across requirements













EXPERIENCE FIRST

TOP MARKETS

GROWTH DRIVERS



Cloud Majors



Large Enterprise



Execution on 400 Gig



Disruptive acquisition: Juniper & Apstra



Disruptive development



Systems integrators

