

## VENDOR SNAPSHOT

### PRODUCTS AND SERVICES

Juniper Paragon Automation is a decomposable suite of applications for management and control of Juniper and other vendors' SDN-enabled transport and packet networks in telco and enterprise deployments. It supports SDN-enabled physical and virtualized network elements. It brings together formerly separate Juniper products and the Anuta ATOM system in a cloud native suite which is offered as SaaS or on-premises to CSPs and enterprises, pre-configured to work with software agents on the Juniper equipment.

- Paragon Planner (nee Northstar Manager) plans the network.
- Anuta ATOM (from Anuta Networks) provides orchestration and assurance, including active synthetic test traffic.
- Paragon Pathfinder (nee Northstar Controller) provides provisioning, control & optimization of WAN transport infrastructure.
- Paragon Active Assurance (nee Netrounds) assures conformance of the network configuration with intents.
- Paragon Insights (nee HealthBot) provides automated analytics, policy enforcement, & insights for monitoring and troubleshooting.

### KEY STRATEGIES

- Integrate the formerly separate tools into a cloud native decomposable suite for full lifecycle management of Juniper SDN-enabled IP/MPLS and SD-WAN networks. Provide value-added integration, such as a single pane of glass for information and control by customers.
- Serve telco and enterprise markets directly, as well as using Telcos as channels to enterprises, especially in SD-WAN.
- Integrate transparently with multiple higher level cloud orchestration & management environments (OpenStack, K8S, VMware, public clouds).
- Incorporate analytics & automation into closed-loop life cycle management.
- Support Juniper networking infrastructure, but also be capable of 'southbound' integration into multiple underlying switching & routing domains to maintain consistency in the SDN overlay environment.
- Provide network slicing with capabilities that support *guaranteed* QoS characteristics, including latency via active assurance with synthetic traffic.

### Key Customers

- Tier 1 CSPs: including AT&T, Orange Business Services, T-Systems
- Large Enterprises

Founded  
1996  
Public

Juniper Networks is a leading network infrastructure & security product & software company. Paragon Automation is a cloud native full lifecycle management suite for SDN-enabled management & control for SD-WANs, SD-Branch clouds, & multi-cloud networks.

### Ecosystem

- IETF
- Linux Foundation
- Open Infrastructure Foundation
- Over 20 VNF Suppliers

Sunnyvale, CA,  
USA



GLOBAL

### MYTAKE ANALYSIS

- Paragon brings together multiple best-of-breed components into a single decomposable suite (the form factor preferred by most CSPs) for lifecycle management of physical and virtual SDN-enabled network packet and transport infrastructure, including slices & sub-slices.
- Paragon benefits from Juniper's heritage & ongoing commitment to open architectures, scale, analytics, & software-driven operations. It updates the software to be cloud native, a key new requirement from CSPs.
- Key value-add of the suite beyond the formerly individual tools currently centers around the single pane of glass interface, delivery of a pre-configured, cloud native software suite and the synthetic traffic for active assurance, including latency (a significant differentiator). ACG expects richer features in the future from integrating the Paragon components, as well as greater software infrastructure integration.