

ARISTA Service Provider Transformation



Why Arista? Quality • Innovation • Engineering Excellence • Evolution • Openness

Arista CloudVision™

Arista CloudVision® delivers a network-wide approach for workload orchestration, workflow automation and real-time telemetry built on Arista's open, standards-based and fully programmable EOS® (Extensible Operating System)

Features & Benefits:

- Centralized View of the Network
- Integration with 3rd party overlay and orchestration controllers
- Topology View
- Hardware and Software Abstraction
- Macro-Segmentation™ Services (MSS)
- State Streaming Telemetry for live monitoring and historic forensic troubleshooting

- Full Change Management Framework
- Automated, zero touch Provisioning and configuration management
- Smart System Upgrade (SSU) with a Network-Wide Scope
- Automated Network Rollback
- Compliance Dashboard for Security, Audit and patch management
- Open API Integration



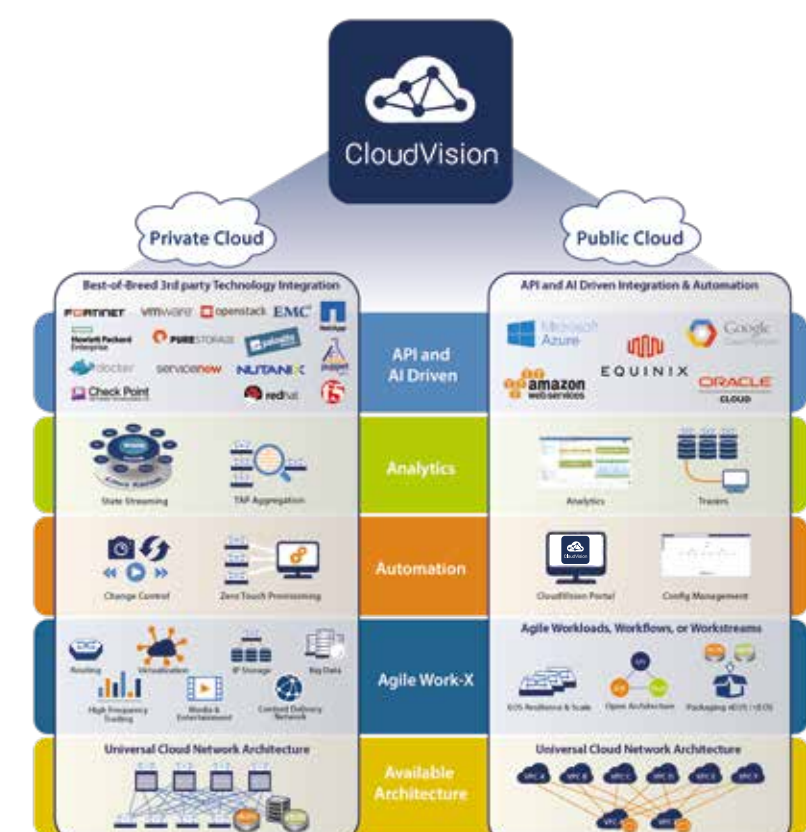
Arista's EOS Philosophy



EOS – Extensible Operating System

- A single binary image across all devices
 - Simple to manage
 - Easy to validate
- Built for Programmability & Automation
 - Extensive APIs
 - SDKs for development
- Architected for 3rd party interoperability
 - Industry Software Quality
 - 70,000 automated tests per day
 - Over 90% less CVEs since 2014 than nearest competitors
 - State driven for resilience and self-healing

Number of EOS code versions across ~40 shipping products	1
Software regression bugs	8
Security advisories requiring reboot	144
Automated tests per day	70,000

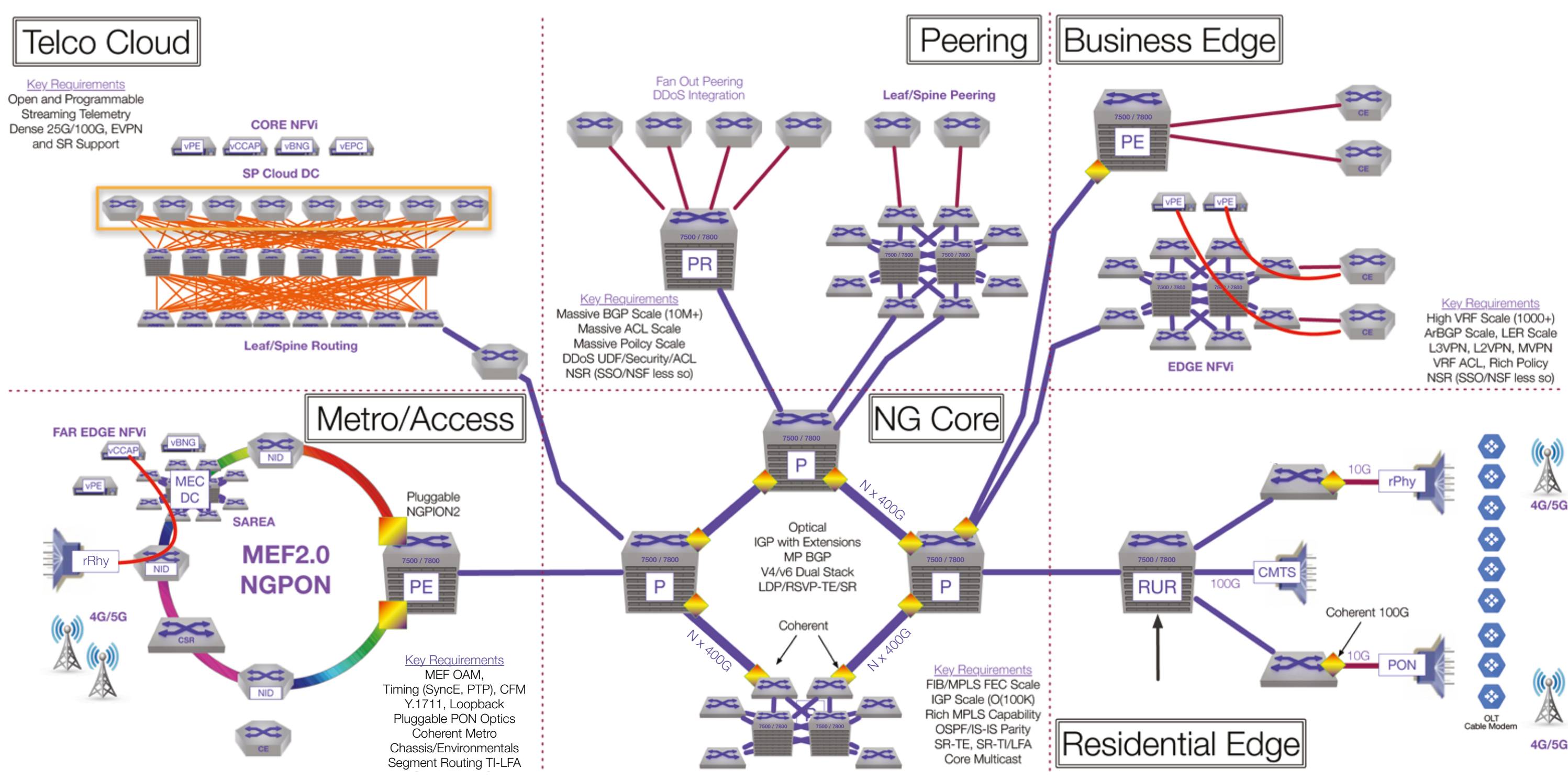


Routing Feature Set

- Arista's Cloud Grade routing portfolio provides industry leading performance, scale and port-density.
- The feature richness and flexibility allows the platforms to be deployed in a wide range of open networking solutions:
 - Large scale layer 2 and layer 3 cloud designs
 - Provider edge where scalable L2 and L3 VPN services are required
 - Traffic engineered MPLS core where high density 400G/100G is required
 - Metro-aggregation for the backhaul of E-LINE services
 - Telco data center for EVPN overlay solutions.
- For a full list of features, scan the QR code



Service Provider Use Cases



MODULAR SERVICE PROVIDER CORE AND EDGE

Arista 7800R3 Highest 400G Density Switches

- Programmable support for over 2.5 million routes, 400/100G density and flexible table sizes
- Up to 460 Tbps of performance with embedded MACsec

Model	7800R3-36P	7800R3-36D	7800R3-36M
Line Card Slots	4	8	16
Rack Units	10	16	31
Max 400G ports	144	288	576
Max 100G ports	192	384	768
Max 25G ports	384	768	1536

Arista 7500R2 Modular Spine 10/25/40/100G Switches

- Programmable support for over 2 million routes, 100G density and large table sizes
- Ideal for Data Center networks and universal spines with internet routing scalability

Model	7500R2-36CQ	7500R2-36CQ	7500R2-36CQ
Line Card Slots	4	8	16
Rack Units	7	13	29
Max 400G ports	144	288	576
Max 100G ports	192	384	768
Max 25G ports	384	768	1536

Arista 7500R3 Modular 100/400G Spine Switches

- 400G and 100G Ethernet support and internet scale tables with investment protection
- Up to 230 Tbps of performance, DCI and universal spine, service provider and cable deployments

Model	7500R3-24P	7500R3-36CQ	7500R3-48YC8
Line Card Slots	4	8	16
Rack Units	7	13	29
Max 400G ports	144	288	576
Max 100G ports	192	384	768
Max 25G ports	384	768	1536

FIXED SERVICE PROVIDER CORE AND EDGE

Arista 7280R/R2/R3 Dynamic Deep Buffer 10/25/50/100G Switches

- Dynamic and deep buffers for lossless forwarding, high density 100G and 400G Ethernet, internet scale table sizes and rich L2 & L3 features e.g. VXLAN and LANZ
- Ideal for for next-gen Cloud, Service Provider Core, Content Delivery, IP storage, leaf and spine networks and Data Centers

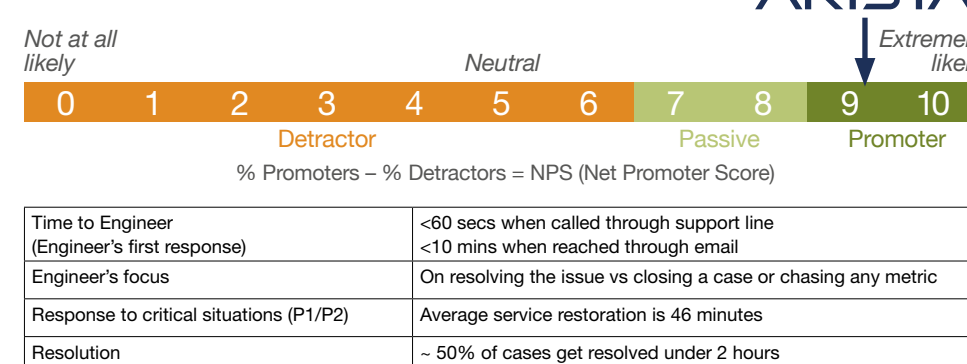
Model	7280R3-24	7280R3-32P4	7280R3-32P4	7280R3-32P4	7280R3-36S	7280R3-48YC8
Ports	24 x 400G OSFP/OSFP-DD	32 x 100G OSFP	4 x 400G OSFP/OSFP-DD	32 x 100G OSFP	28 x 100G OSFP	48 x 25G SFP
Rack Units	1	1	2	1	1	1
Max 400G	24	4	4	4	4	4
Max 100G	96	48	96	48	96	48
Max 25G	192	96	192	96	192	96
Max 10G	192	96	192	96	192	96
Latency	16 GB	8 GB	From 3.8 us	4 GB	4 GB	4 GB
Buffer	16 GB	8 GB	From 3.8 us	4 GB	4 GB	4 GB

Arista 7020R 1G/10G Switching

- Dynamic and deep buffering with wirespeed 1/10G and 10/100G
- Features such as FlexRoute, VXLAN and LANZ
- 1RU switches for storage, multimedia, content delivery networks, edge compute and lossless Data Center designs

World-Class Support

- Marketing leading customer satisfaction of 9.2 out of 10 (based on NPS score of +76)
- Access to 3rd line engineers from first engagement
- 24x7x365 follow the sun support
- Emphasis on resolution and service restoration



Telemetry

- CloudVision Telemetry Apps provide front-end for visibility network state
- Correlation of network-wide data over a time-series
- Views: Event, Device, Metric, and more
- Timeline view for better historic trouble-shooting

More applications to follow:

- Other CV-based apps
- APIs for customer & partner apps



400G ZR Optical Line System Technology

The Arista 400ZR and OSFP-LS provide a cost effective, simple, and easy to manage DWDM solution, purpose-built for DCI.

- OSFP and QDD line systems to transport traffic up to 120Km
- Open, standards-based, and pluggable DWDM optics enabling true IP-over-DWDM
- Full digital optical monitoring (DOM)
- Fully tunable over the C-band

