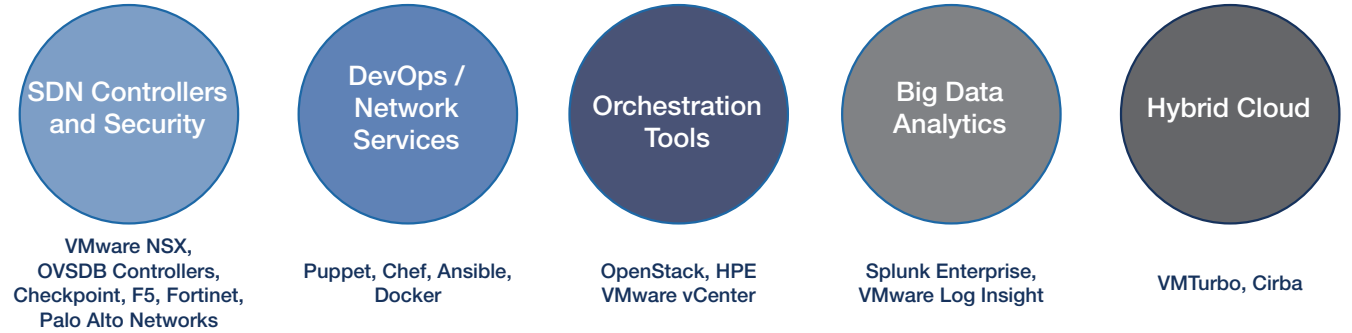


Arista Networks is the leader in building software defined, open networks for today's data center, Web 2.0, and cloud computing environments. Arista delivers the most efficient, reliable and high performance universal cloud network architectures based on 10GbE, 40GbE, and 100GbE platforms. Arista EOS® is built on an open, programmable, and resilient architecture that delivers maximum system uptime, reduces CAPEX and OPEX by simplifying IT operations, and enables business agility. Arista EOS offers programmability at all layers, including eAPI, EOS SDK, Linux APIs, DevOps integration (Puppet/Chef/Ansible) and broad scripting support. Furthermore, Arista EOS CloudVision® extends the EOS state-based architecture to a network-wide scope as a platform for workflow automation, workload orchestration, and advanced telemetry. CloudVision's open framework leverages modern APIs and state streaming to capture granular network state and to integrate with a variety of network overlay, network orchestration, telemetry, and security ecosystem partners.

EOS: THE PLATFORM FOR SOFTWARE DRIVEN CLOUD NETWORKING

- Open framework for custom or third party integration
- Programmable interfaces allow rapid integration
- Proven solutions with deployed examples
- Allows best-of-breed integration
- Available as standalone on GitHub or as turnkey solution from Arista

ECOSYSTEM FOR EOS APPLICATIONS



RESILIENCY AND SCALABILITY

Scalable Architecture

- Simplified, repeatable design leveraging open, standards-based protocols. No vendor-specific lock-in to the design
- Scale to your needs, from 100 to 300,000+ compute and storage nodes using MLAG in a Layer 2 active-active mode
- ECMP provides an all active multi-path for Layer 3 with exceptional scale and consistent performance for 2 tier network designs
- Standards-based network virtualization with VXLAN — extends layer 2 to support up to 16M virtual networks without requiring multicast
- EOS NetDB enables route scale with best-in-class convergence
- EOS CloudVision offers single point of integration and controller agnostic support for virtual and physical workload orchestration using open APIs such as OVSDB, JSON and OpenStack plugin

Resilient Software

- Reduced maintenance window with Arista Smart System Upgrade (SSU) through graceful removal, upgrade, and reinsertion of network elements
- Live patching and upgrade of individual processes within EOS during normal switch operation
- Self-healing resiliency through fault containment within a single module and stateful process restart
- Turnkey solution for network-wide upgrades and rollback with EOS CloudVision

VISIBILITY AND TELEMETRY

Network Visibility

- EOS NetDB provides real-time state streaming for network telemetry and analytics, a modern approach to replace legacy polling per device
- EOS CloudVision provides the analytics and telemetry apps to provide an unprecedented level of granularity for real-time monitoring and historic network state for forensic troubleshooting
- VM Tracer offers visibility into which VMware hosts and VMs are on a given physical network port
- Container Tracer provides current Docker node and exposed port information to network administrators
- MapReduce Tracer tracks and interacts with Hadoop workloads ensuring faster recovery in case of a node failure or congested link
- Health Tracer facilitates infrastructure resiliency at the hardware and software layer to increase overall service availability
- Path Tracer monitors and detects issues with all paths in an active-active Layer 2 or Layer 3 ECMP network
- LANZ offers proactive congestion management and notification by providing visibility into real-time queue depth analysis and streaming

DANZ TAP Aggregation/Advanced Mirroring/LANZ

- Provides advanced traffic monitoring, including sFlow
- Facilitates precision filtering and flow analysis with timestamps
- Captures all 10/40/100GbE network traffic for recording and analysis
- Filtered mirroring to CPU enables local traffic analysis using TCPdump or other monitoring tools

AUTOMATION

Zero Touch Provisioning (ZTP/ ZTR)

- Automates provisioning of infrastructure using standard protocols and offers advanced customized scripting capabilities
- Reduces cost of deployment and speeds time to production for new services by reducing human errors

DevOps Integration

- Natively supports Puppet, Chef, and Ansible and extends Puppet/Chef command line tools into EOS CLI
- Automates network configuration in same manner as servers
- Enables deployment of Docker containers on EOS with choice of thousands of applications from Docker Hub
- Onsite or remote EOS-focused development with a team of seasoned network software programmers

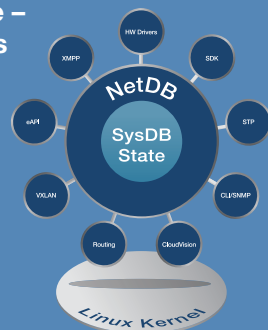
Automation with EOS CloudVision

- Turnkey automation for zero touch provisioning and on-going configuration and image management
- Change Management framework for network-wide upgrades and rollback, including snapshot views of the change control
- Bug Visibility with automated bug alerts for identifying live caveats and security vulnerabilities.
- Compliance dashboard for security, audit, and patch management
- Macro Segmentation Service (MSS) capability allows automatic insertion of service appliances like firewalls in the physical network by defining inter-segment service policies

OPEN AND PROGRAMMABLE FOUNDATION

EOS SW Architecture – Strong Fundamentals

- NetDB architecture built on SysDB state for resiliency, programmability, extensibility, automation, and scale

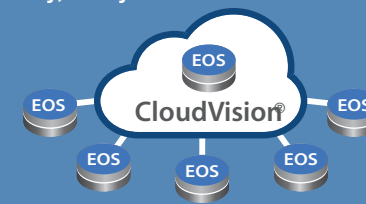


Open and Programmable

- Standards-based protocols and designs with open APIs
- Extensive Tools: Native Linux kernel, Python, eAPI, EOS SDK, DirectFlow/ OpenFlow, AEM, Docker, Go
- vEOS for flexible lab, development, and certification use cases

EOS CloudVision – A Platform for Automation and Visibility

- Extends EOS to offer network-wide approach to automation, orchestration, visibility, analytics



- Network control point for integration with third party controllers, orchestration systems, and network services (Macro-Segmentation Services, MSS)
- Turnkey automation for provisioning and ongoing change management
- Visibility across physical and virtual network infrastructure

	GbE	Ultra-Low Latency			10GBASE-T						10/40GbE					10/40GbE Spline™				10/40/100GbE Deep Buffer				10/40/100GbE Dynamic Deep Buffers				10/40GbE Spline™			10/25/40/50/100GbE Universal Spine																		
Product Line Overview																																																	
Chassis	7010T	7150S			7050TX						7050SX					7050QX				7250QX		7060CX		7260X		7280SE		7280R				7300 Series			7500R														
Model Number	48	24	52	64	48	64	72	72Q	96	128	64	72	72Q	96	128	32	32S	64	32S	QX-64	CX-64	64	68	72	SR-48C6	TR-48C6	QR-C36	CR-48	4-Slot	8-Slot	16-Slot	4 Slot	8 Slot	12 Slot															
Height	1RU	1RU			1RU						2RU					1RU				2RU		1RU		2RU		1RU		1RU				1RU			1RU														
Line Card Slots	-	-			-						-					-				-		-		-		-		-		-				-			-												
Backplane Capacity	-	-			-						-					-				-		-		-		-		-		-				-			-												
Switching Capacity	176Gbps	480Gbps	1,04Tbps	1,28Tbps	960Gbps	1,28Tbps	1,44Tbps	1,44Tbps	1,92Tbps	2,56Tbps	1,28Tbps	1,44Tbps	1,44Tbps	1,92Tbps	2,56Tbps	2,56Tbps	5,12Tbps	6,4Tbps	5,12Tbps	12,8Tbps	1,28-1,44Tbps	2,16Tbps	2,16Tbps	4,32Tbps	10,24Tbps	2,16Tbps	2,16Tbps	4,32Tbps	10,24Tbps	25Tbps	50Tbps	40Tbps	38,4Tbps	76,8Tbps	115Tbps														
Per Slot Capacity	-	-			-						-					-				-		-		-		-		-		-				-			-												
Forwarding Capacity	132Mpps	-	-	960Mpps	720Mpps	960Mpps	1,08Bpps	1,08Bpps	1,44Bpps	1,44Bpps	960Mpps	1,08Bpps	1,08Bpps	1,44Bpps	1,44Bpps	1,44Bpps	3,84Bpps	3,3Bpps	3,3Bpps	9,52Bpps	900Mpps	720Mpps	720Mpps	1,44Bpps	5,76Bpps	19Bpps	38Bpps	30Bpps	9,6Tbps	19,2Tbps	14,4Tbps	9,6Tbps	19,2Tbps	14,4Tbps															
Ports																																																	
100/1000 BASE-T	48	-			-						-					-				-		-		-		-		-		-				-			-												
100Mb/1Gb/10Gb BASE-T	-	-			32	48	48	48	48	96	-					-				-		-		-		-		-				192	384	768	192	384	576												
1/10GbE (SFP+)	4	24	52	48	-						48	48	48	48	96	-	4	-	2	2	2	48	48	-	-	-	192	384	768	192	384	576																	
10/40GbE	-	-	-	16/4	16/4	16/4	24/6	24/6	48/12	-/8	16/4	24/6	24/6	48/12	-/8	96/32	96/32	256/64	130/32	-/64	258/64	16/4, 8/2, 24/6	24/6	24/6	144/36	224/56	512/128	1,024/256	2,048/512	576/144	1,152/288	1,728/432																	
100GbE	-	-			-						-					-				-		-		-		-		-		-				-			-												
Port-Port Latency	3usec	350ns	380ns	380ns	3usec						550ns					550ns				550-1,800ns		450ns		550ns		550-1,800ns		under 4usec		3.8usec				550-1,800ns			under 4usec												
Forwarding Technology	Store and Forward	Cut-Through			Cut-Through						Cut-Through					Cut-Through				Store and Forward		Cut-Through		Store and Forward		Store and Forward		Store and Forward				Store and Forward			Store and Forward														
Buffer Size	4MB	9.5MB - Dynamic Allocation			12MB - Dynamic Allocation						12MB - Dynamic Allocation					12MB - Dynamic Allocation				48MB		16MB		16MB		64MB		9GB - Dynamic Allocation		4GB		4GB		8GB		32GB		96MB		192MB		384MB		96GB		192GB		288GB	
Environmental																																																	
AC + AC Power Redundancy	Yes	Yes			Yes						Yes					Yes				Yes		Yes		Yes		2 (1+1 redundant)		Yes				Yes			Yes														
DC Power	Yes	Yes			Yes						Yes					Yes				Yes		Yes		Yes		Yes		Yes				Yes			Yes														
N+1 Hot Swappable Fans	Yes	Yes			Yes						Yes					Yes				Yes		Yes		Yes		4 (N+1 redundant)		Yes				Yes			Yes														
Average/Max Power Draw (W)	52/65	191/334	191/450	224/455	305/367	315/387	349/440	340/430	355/455	507/740	140/220	144/267	144/261	158/240	235/415	162/332	150/302	622/1,229	220/410	315/800	1672/2090	Various	263/381	290/405	324/499	1363/1710	1560/2262	2986/4360	6006/9324	3650/4978	6439/8586	9618/12824d																	
Front-to-Rear/Rear-to-Front Air	Yes / Yes	Yes / Yes			Yes / Yes						Yes / Yes					Yes / Yes				Yes / Yes		Yes / Yes		Yes / No		Yes / Yes		Yes / Yes				Yes / No																	
Features																																																	
EOS Single Binary Image	Yes	Yes			Yes						Yes					Yes				Yes		Yes		Yes		Yes		Yes				Yes			Yes														
Latency Analyzer (LANZ)	No	Yes			Yes						Yes					Yes				Yes		Yes		Yes		Yes		Yes				Yes			Yes														
VM Tracer	Yes	Yes			Yes						Yes					Yes				Yes		Yes		Yes		Yes		Yes				Yes			Yes														
Zero Touch Provisioning (ZTP)	Yes	Yes			Yes						Yes					Yes				Yes		Yes		Yes		Yes		Yes				Yes			Yes														
Max VLANs	4,096	4,096			4,096						4,096					4,096				4,096		4,096		4,096		4,096		4,096				4,096			4,096														
Max MAC Entries	84K	64K			288K						288K					288K				288K		288K		288K		256K		768K		288K				768K			768K												
Multi Chassis LAG	Yes - 32 Link	Yes - 32 Link			Yes - 64 Link						Yes - 64 Link					Yes - 64 Link				Yes - 128 Link		Yes - 128 Link		Yes - 128 Link		Yes - 128 Link		Yes - 64 Link				Yes - 128 Link			Yes - 128 Link														
Jumbo Frames	9,216 Bytes	9,216 Bytes			9,216 Bytes						9,216 Bytes					9,216 Bytes				9,216 Bytes		9,216 Bytes		9,216 Bytes		9,216 Bytes		9,216 Bytes				9,216 Bytes			9,216 Bytes														
Max ARP Entries	84K	64K			32K (208K UFT *)						32K (208K UFT *)					32K (208K UFT *)				96K		768K		768K		768K		32K (208K UFT *)				768K			768K														
Max Routes (IPv4 / IPv6)	16K/8K	84K/21K			16K/8K (144K/77K UFT *)						16K/8K (144K/77K UFT *)					16K/8K (144K/77K UFT *)				64K/12K		over 1M+ entries in hardware		16K/8K (144K/77K UFT *)		over 1M+ entries in hardware				over 1M+ entries in hardware			over 1M+ entries in hardware																
BGP/OSPF	Wirespeed	Wirespeed			Wirespeed						Wirespeed					Wirespeed				Wirespeed		Wirespeed		Wirespeed		Wirespeed		Wirespeed				Wirespeed			Wirespeed														
Multicast Routing	PIM-SM	PIM-SM			PIM-SM						PIM-SM					PIM-SM				PIM-SM		PIM-SM		PIM-SM		PIM-SM		PIM-SM				PIM-SM			PIM-SM														
Multicast Groups	8K	23K			8K						8K					8K				64K		128K		128K		128K		8K				128K			128K														

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UNIVERSAL CLOUD NETWORK

- Scalable, standards-based universal cloud network designs with MLAG, ECMP, and VXLAN
- Network wide automation, provisioning, and telemetry services with EOS CloudVision
- Single point of integration for both orchestration services and third party controllers

