

CLOUD NETWORKING PORTFOLIO

Arista Networks is the leader in building software defined, open networks for today's datacenter, Web 2.0, and cloud computing environments. Arista delivers the most efficient, reliable and high performance universal cloud network architectures based on 10GbE, 25GbE, 40GbE, 50GbE 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.

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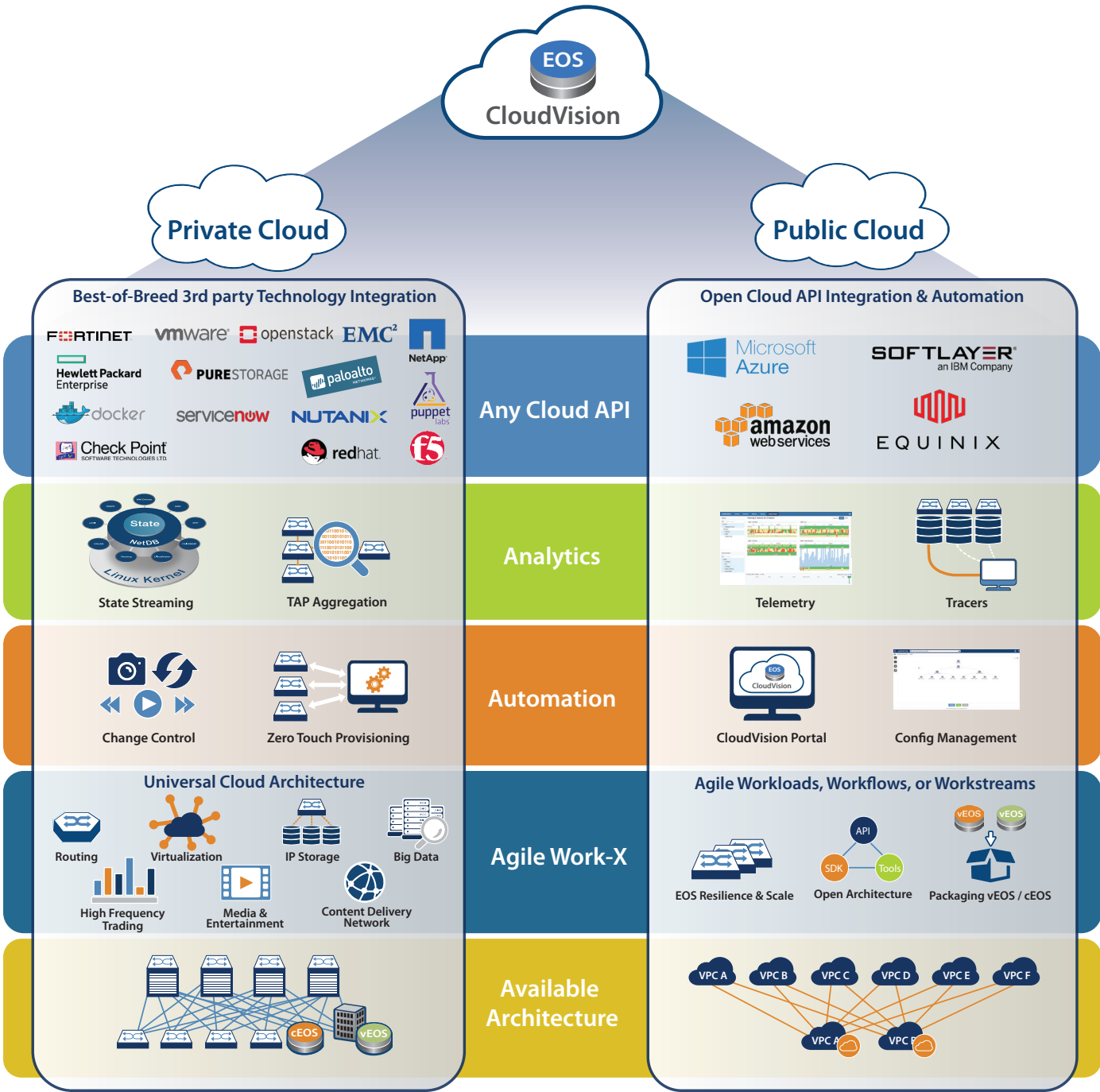
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UNIVERSAL CLOUD NETWORK AND ECOSYSTEM



TCO

3x

Savings with faster migration and integration between private and public clouds

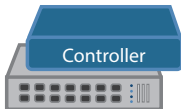




10x

Opex savings using single pane of glass for network automation and analytics into public and private cloud


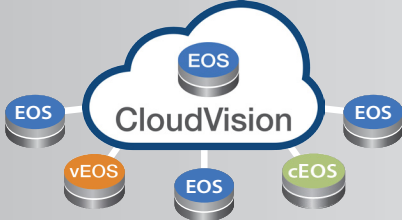
5x















Cost savings using same operational model for public and private cloud

ARISTA - THE PLATFORM FOR SOFTWARE DRIVEN CLOUD NETWORKING

<ul style="list-style-type: none">Fully programmable platforms allow rapid, automated deployment and provisioningOpen SDK/APIs for easy integration with third-party and customer extensionsSingle-OS consistency across use-cases for every place in the cloudProven solutions and reference designs with a broad best-in-class ecosystem of partners			ANY CLOUD API				
			<div>SDN Controllers and Security</div> <div></div> <div>VMware NSX, OVSDB Controllers, Checkpoint, F5, Fortinet, Palo Alto Networks</div>	<div>DevOps / Network Services</div> <div></div> <div>Puppet, Chef, Ansible, Docker</div>	<div>Orchestration/ IT Operations Tools</div> <div></div> <div>OpenStack, HPE VMware vCenter, ServiceNow</div>	<div>Big Data Analytics</div> <div></div> <div>Splunk Enterprise, VMware Log Insight</div>	<div>Hybrid Cloud</div> <div></div> <div>Turbonomic, Cirba</div>
<div>AVAILABLE ARCHITECTURE</div> <div>High Availability</div> <ul style="list-style-type: none">Open, predictable and efficient network designs with only modern, open and standards-based protocols using ECMP & VXLANAdvanced hitless upgrade/update and auto-recovery features with 100% active-active utilization of all bandwidth, resources and links <div>Scalability</div> <ul style="list-style-type: none">A state-sharing, highly resilient, multi-process architecture that enhances reliability, visibility and scalabilitySupports networks from a few nodes to millions of VMs, containers and end-points at Internet scale and with linear expansion <div>Efficiency</div> <ul style="list-style-type: none">Designed to utilize advancing developments in merchant silicon hardware, ensuring a path for customers to new advances in speed, scale and efficiencies with proven investment protection			<div>ANALYTICS</div> <div>Zero Touch Provisioning</div> <ul style="list-style-type: none">Reduce operating costs and time-to-production with ZTP by eliminating human errors during rack expansion or replacementAutomate infrastructure scale-out using standards-based mechanisms and customizable and scripted at any scale <div>DevOps Integration</div> <ul style="list-style-type: none">Integrate development and operations workflows with DevOps and CI/CD tools including Docker, Ansible, Chef, Puppet and othersAutomate network and server management with access to any virtualized, containerized or Linux tool running natively on EOS <div>Telemetry</div> <ul style="list-style-type: none">Access and record network-wide state and congestion information for every workload, workflow and workstreamIdentify and troubleshoot issues in underlay and overlay network topologies for real-time or forensic analysis			<div>AUTOMATION</div> <div>Cloud Automation for Everyone</div> <ul style="list-style-type: none">CloudVision provides a turnkey automation hub for config and image management, change control simplification, operations compliance, and much more. <div>Tracers</div> <ul style="list-style-type: none">Enable real-time visibility and automation for highly dynamic, virtualized, containerized, big data, and bare metal workloadsCorrelate network health and reachability information with workload placements in the public, private and hybrid cloud <div>TAP Aggregation and Advanced Mirroring</div> <ul style="list-style-type: none">Get precision access to raw and filtered packet data anywhere and anytime at industry-leading scale with both in-band and out-of-band capture, replication and analysis capabilitiesGenerate and analyze high rate sFlow meta-data for macro-level visibility into performance trends and security threats	

FOUNDATION FOR UNIVERSAL CLOUD NETWORKING

<div>EOS – Open and Extensible Networking Software</div> <ul style="list-style-type: none">State-sharing, highly resilient, multi-process architecture that enhances reliability, visibility, serviceability at any scaleBuilt on state-of-the-art NetDB process isolation architecture and continuous development model to enable ease of customer extension, high stability and rapid delivery of advanced featuresAt its core, a native unmodified Linux kernel and runtime supporting open APIs, Python, Go, JSON eAPI/SDK, OpenFlow/DirectFlow, AEM event notification, Docker runtime, Linux tools, etc.Packaged as bundled EOS on Arista switches, containerized EOS, or virtualized EOS – for any production or simulation use case		<div>ARISTA EOS</div> <div></div>	<div>CloudVision – A Platform for Cloud Automation and Visibility</div> <ul style="list-style-type: none">Extends EOS shared-state to a network-wide model for global automation, orchestration, visibility, and analyticsUnified control-point for third party (SDN/SDDC) network controllers, orchestration systems, and security platformsTurnkey automation for provisioning and ongoing change management with network-wide snapshot and rollbackVisibility and correlation of network state across physical, virtual and cloud network infrastructures
		<div></div>	

	GbE		Ultra-Low Latency		Programmable Leaf			10/40GbE							10/40/100GbE Spline™				10/40/100GbE Deep Buffer			10/40/100GbE Dynamic Deep Buffers								10/40/100GbE Spline™			10/25/40/50/100GbE Universal Spine													
Product Line Overview								  							  																															
Chassis	7010T	7020TR	7150S			7160			7050TX				7050SX			7050QX			7250QX		7060CX2		7260X		7280SE			7280R								7300		7500R								
Model Number	48	48	24	52	64	48T	48Y	32C	48	64	72Q	128	64	72Q	128	32S	64	32S	QX-64	CX-64	64	68	72	SR-48C6	TR-48C6	SR2-48C6	QR-C36	QR-C72	CR-48	CR2-60	CR2-60	4-Slot	8-Slot	4-Slot	8-Slot	12-Slot	16-Slot									
Height	1RU	1RU	1RU			1RU			1RU				2RU		1RU			2RU		1RU			1RU			1RU		1RU		1RU		1RU		2RU		2RU		8RU	13RU	7RU	13RU	18RU	29RU			
Line Card Slots	–	–	–			–			–				–			–			–		–			–			–		–		–		–		–		–		4	8	4	8	12	16		
Backplane Capacity	–	–	–			–			–				–			–			–		–			–			–		–		–		–		–		–		25Tbps	50Tbps	38.4Tbps	76.8Tbps	115Tbps	150Tbps		
Switching Capacity	176Gbps	216Gbps	480Gbps - 1.28Tbps			2.16Tbps	3.6Tbps	6.4Tbps	960Gbps	1.28Tbps	1.44Tbps	2.56Tbps	2.16Tbps	1.28Tbps	1.44Tbps	2.56Tbps	2.56Tbps	5.12Tbps	6.4Tbps	5.12Tbps	12.8Tbps	1.28 - 1.44Tbps			2.16Tbps	2.16Tbps	3.6Tbps	4.32Tbps	6.4Tbps	10.24Tbps	12Tbps	25Tbps	50Tbps	38Tbps	75Tbps	115Tbps	150Tbps	150Tbps	150Tbps	150Tbps	150Tbps					
Per Slot Capacity	–	–	–			–			–				–			–			–		–			–			–		–		–		–		–		–		3.2Tbps In/3.2Tbps Out		9.6Tbps					
Forwarding Capacity	132Mpps	162Mpps	480/720/960Mpps			1.2Bpps	1.2Bpps	1.2Bpps	720Mpps	960Mpps	1.08Bpps	1.44Bpps	960Mpps	1.08Bpps	1.44Bpps	1.44Bpps	1.44Bpps	3.84Bpps	3.3Bpps	3.3Bpps	9.52Bpps	900Mpps			720Mpps	720Mpps	1.6Bpps	1.44Bpps	2.88Bpps	5.76Bpps	5Bpps	19Bpps	38Bpps	17.3Bpps	34.5Bpps	51Bpps	69Bpps	69Bpps	69Bpps	69Bpps						
Ports																																														
100/1000 BASE-T	48	48	–			–			–				–			–			–		–			–			–		–		–		–		–		–		–		–		–		–	
100Mb/1Gb/10Gb BASE-T	–	–	–			48	–		32	48	48	96	–			–			–		–			–			–	48	–	–	–	–	–	–	–	192	384	192	384	576	768					
1/10GbE (SFP+)	4	6	24/52/48			–	48	–	–				48	48	96	4	–	–	2	2	2	48			48	–	48	–	–	–	–	48	192	384	192	384	576	768	768	768						
10/40GbE	–	–	–/–/ 16/4			72/6	72/6	128/32	16/4	16/4	24/6	–/8	16/4	24/6	–/8	96/32	256/64	128/32	–/64	256/64	16/4, 8/2, 24/6			24/6	24/6	72/6	144/36	160/72	224/56	240/60	512/128	1,024/256	576/144	1,152/288	1,728/432	2304/576	2304/576	2304/576	2304/576							
25/100GbE	–	–	–			24/6	72/6	128/32	–				–			–			–	128/32	–	256/64	0, 0/2, 0/2			24/6	24/6	72/6	48/12	64/16	192/48	240/60	512/128	1024/256	576/144	1152/288	1728/432	2304/576	2304/576							
Port-Port Latency	3usec	3usec	350/380ns			From 3usec	From 2usec		3usec				550ns			550ns			550-1,800ns	450ns	550ns	550-1,800ns	under 4usec			3.8usec					From 3.8usec			550-1,800ns		under 4usec										
Forwarding Technology	Store and Forward	Store and Forward	Cut-Through			Store and Forward			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	3GB	9.5MB - Dynamic Allocation			24MB			12MB - Dynamic Allocation							16MB - 22MB					9GB - Dynamic Allocation			4GB	4GB	8GB	8GB	16GB	32GB	24GB	96MB	192MB	96GB	192GB	288GB	384GB	384GB	384GB	384GB	384GB						
Environmental																																														
AC + AC Power Redundancy	Yes	Yes	Yes			Yes			Yes				Yes			Yes			Yes		Yes			Yes			2 (1+1 redundant)								Yes		Yes									
DC Power	Yes	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		Yes			Yes			4 (N+1 redundant)								Yes		Yes									
Average/Max Power Draw (W)	52/65	105/115	Various			408/482	168/382	310/465	305/367	315/387	340/430	507/740	140/220	144/261	235/415	150/302	622/1,229	220/410	315/800	1672/2090	Various			263/381	290/405	450/685	324/499	725/1406	1363/1710	1660/1850	1560/2262	2986/4360	3650/4978	6439/8586	9618/12824	12,000/16,500	12,000/16,500	12,000/16,500	12,000/16,500							
Front-to-Rear/Rear-to-Front Air	Yes / Yes	Yes / Yes	Yes / Yes			Yes / Yes			Yes / Yes				Yes / Yes			Yes/Yes			Yes / Yes		Yes / Yes			Yes / Yes			Yes / Yes					Yes / No			Yes / Yes		Yes / No									
Features																																														
EOS Single Binary Image	Yes	Yes	Yes			Yes			Yes				Yes			Yes			Yes		Yes			Yes			Yes								Yes		Yes									
Latency Analyzer (LANZ)	No	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		Yes									
Zero Touch Provisioning (ZTP)	Yes	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		4,096									
Max MAC Entries	84K	256K	64K			128K			288K				288K			288K			288K		256K			768K																						
Multi Chassis LAG	Yes - 32 Link	Yes - 32 Link	Yes - 32 Link			Yes - 64 Link			Yes - 64 Link				Yes - 64 Link			Yes - 64 Link			Yes - 64 Link		Yes - 128 Link			Yes - 128 Link					Yes - 64 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	80K	64K			80K			32K (208K UFT *)				32K (208K UFT *)			32K (208K UFT *)			32K (208K UFT *)		96K			92K - 736K					32K (208K UFT *)		768K															
Max Routes (IPv4 / IPv6)	16K/8K	200K/100K	84K/21K			128K/64K			16K/8K (144K/77K UFT *)				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 1.3M+ 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	24K	23K			128K			8K				8K			8K			8K		64K			128K					8K		128K															