

From Chaos to Control: Arista EOS and the Security of Simplicity

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## **About Arista Networks**





#### **Cloud Networking –**

75M+ ports shipped

\$~100B Market Cap

**22**% Market Share, **#1** in 100G & 400G with >40% global market share

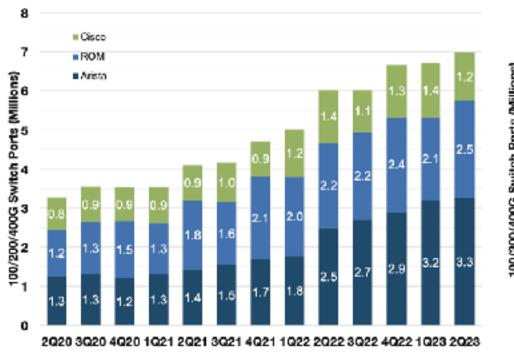
9000+ customers

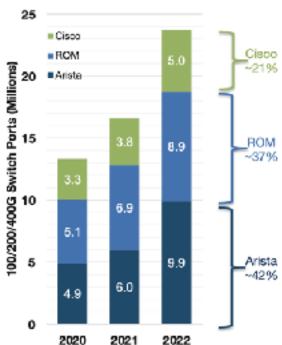
1 Operating Systems, same image all platforms

**Leader by Analysts-** Gartner 2015-2020 DC leader, **Fastest** growing tech company



## Arista's Market Leadership in 100G/200G/400G Data Center High Speed Ethernet Port Analysis

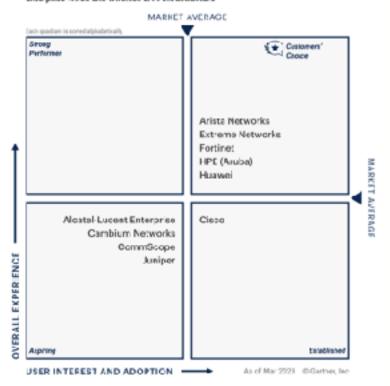


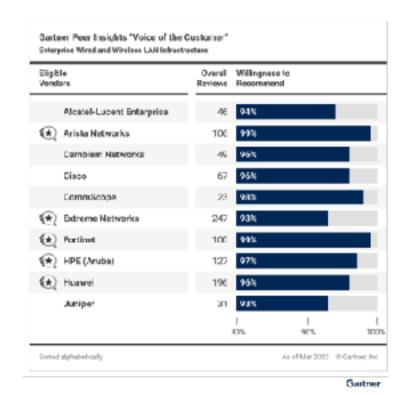


Source: Crehan Ethernet Switch Data Center Total Vendor Tables - 2Q'23

# Gartner Peer Insights "Voice of the Customer"

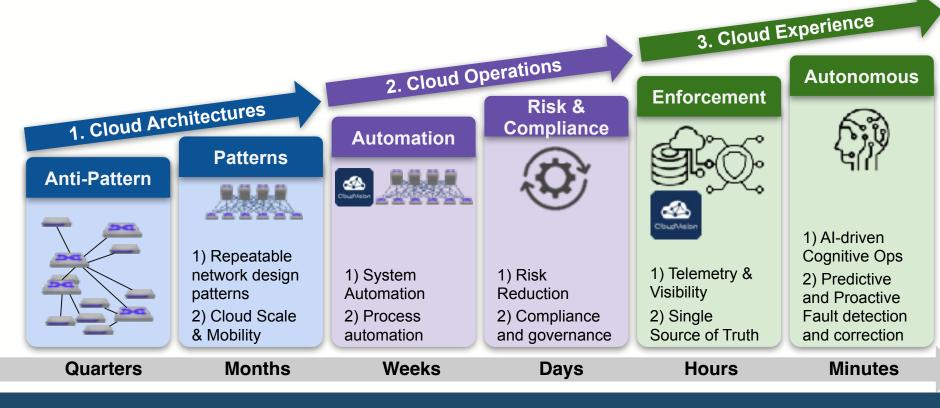
Bartner Peer Insights "Voice of the Customer" Enterprise Wired and Wireless LAN Infrastructure







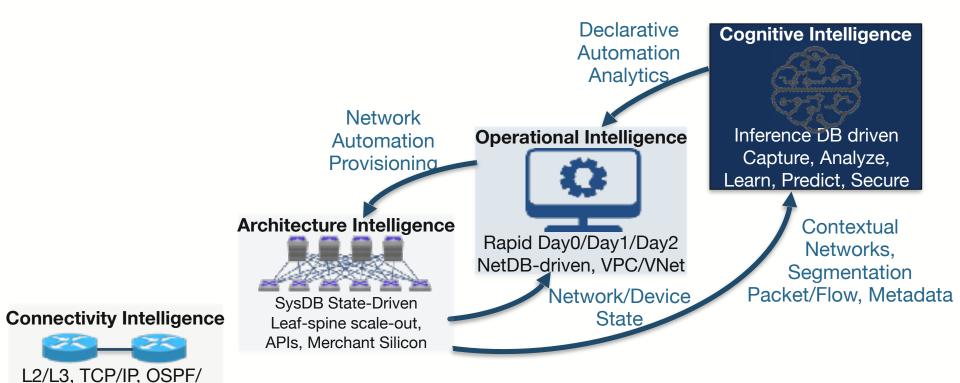
# **Arista - Cloud First Strategy**



Objective: Private Cloud should provide same competitive benefits as Public Cloud



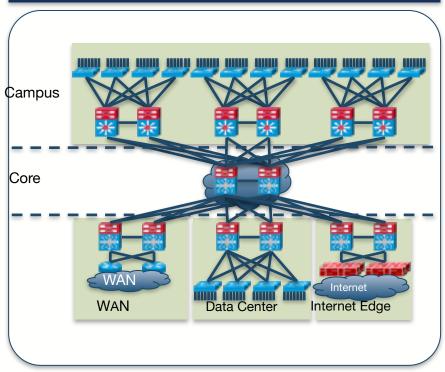
BGP, HTTP/S



1990s 2010+ 2018+ 2023+

## Traditional View of Enterprise Networks

#### Legacy: Silo Places In the Network (PIN)



- 4-5 Different Product Classes
- 4-5 Different Operating Systems
- 20+ Different Software Images
- 4-5 Different Management Platforms
- 6-7 Hops between User and Data
- Limited Repurposing of Products
- No End to End Visibility or Security

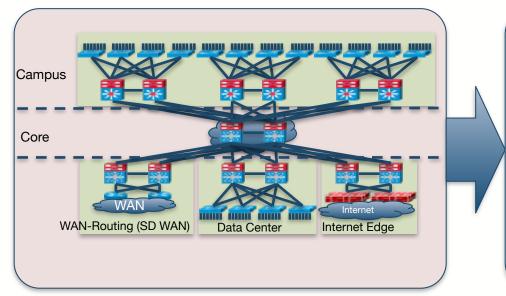


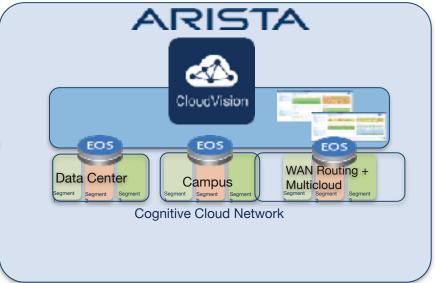
## Cloud Principles Applied to Enterprise

Moving from PINs to Data Driven PICs

Legacy: Silo Products
Places In the Network (PIN)

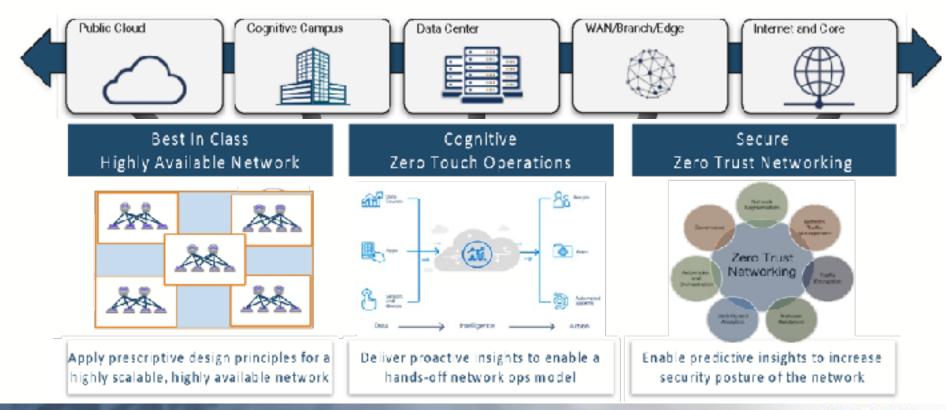
Modern: Data Driven
Places In the Cloud (PIC)



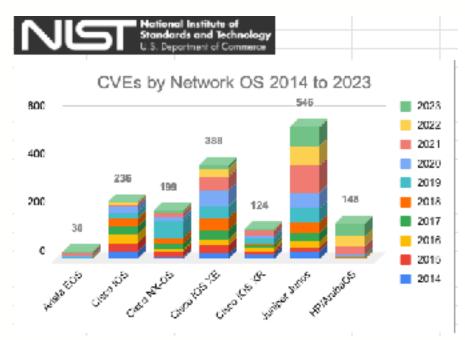


#### Arista's Cognitive Strategy

- Built on the foundation of the Modern, Multi-Domain Networking



# Common Vulnerabilities and Exposures (CVE) across Network OS, 2014 to Present



	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Totals
Arista EOS	0	1	1	D	3	2	5	11	0	7	30
Cisco IOS	30	38	33	35	31	24	25	8	8	3	236
Cisco NX-OS	9	25	7	21	26	73	13	16	3	6	199
Cisco IOS XE	23	37	22	38	51	46	68	56	31	16	388
Cisco IQS XR	19	16	14	9	8	20	11	22	3	4	124
Juniper Junes	32	17	24	35	45	66	67	112	78	80	648
HP/ArubaOS	1	2	2	0	3	-8	- 6	33	42	52	148

**Grand Total CVE:** 

Cisco: 947 Juniper: 546 HP/ArubaOS: 148

Arista: 30



# Leadership in Cloud Networking



#### Arista Extensible Operation System (EOS)

- · Modern, reliable, data-driven network operating system
- Programmability at every layer
- Data Driven with NetDL (Network Data Lake)



#### Merchant Silicon

- Leverage best-in-class merchant switching silicon.
- · Superior integration, performance, delivery, and power efficiency
- Silicon diversity optimized for target markets



#### **Best-of-Breed Systems**

- Fully featured next generation switching systems
- Proven single EOS image quality across all product families
- Multi-generational investment protection

# Enterprise and Data Center Portfolio

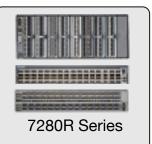
#### Collapsed Spine



#### DCI and Data Center Spine



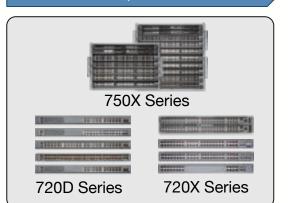








#### Campus Leaf



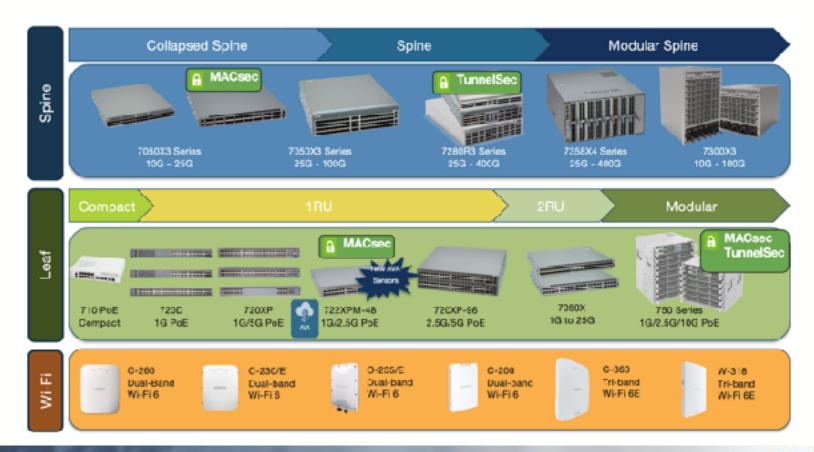
#### Data Center Leaf



#### Al Leaf



# Portfolio of Intelligent Campus Systems

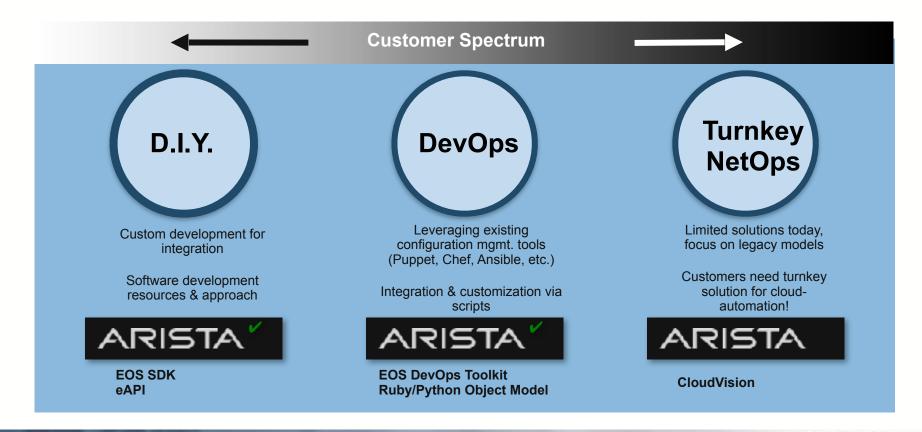


# What type of car do you drive?





# Approaches to Network Control and Automation DevOps Innovation



# Still, every network needs great support

# **Arista NPS Score Rating:** "World Class Support"

+80

9.3/10

2022 Survey conducted through TechValidate



- No Tiered TAC Levels (L1/L2, etc.)
- No "contracted" TAC personnel, all Arista employees
- 24x7x365 "Follow the Sun" model.
- Response time:
  - Average resolution: 31 minutes
  - Average time to respond to a call: <1 minute</li>
- ~130 RMA depots, 22,000+ parts

#### World-class Products and Worldclass Support: +80 NPS

Arista Networks continues to lead the industry with a wider portfolio of solutions and truly world-class support with an NPS score of +80 and an average rating of 9.3 out of 10 in a TechValidate survey of customers in 2022.





# World Class Support & Services

Immediate response by somebody that can help

Highly skilled support team



World-wide support & logistics 24x7x365 support Emphasis on resolution









## Global TAC Support

#### Worldwide support distributed between eight TAC centers of excellence



# Key takeaway:

Industry leading support with expansive global coverage



# Summary: Why 9000+ Customers including the biggest Enterprises Choose Arista



Modern Architecture – Scalable, Programmable, Standards-based



Innovative & Data-driven Automation, Telemetry, Analytics



Superior Quality - Low TCO and simplicity with EOS



World-class Support



# ARISTA

# Thank You www.arista.com