LAB ACCESS

Arista Networks

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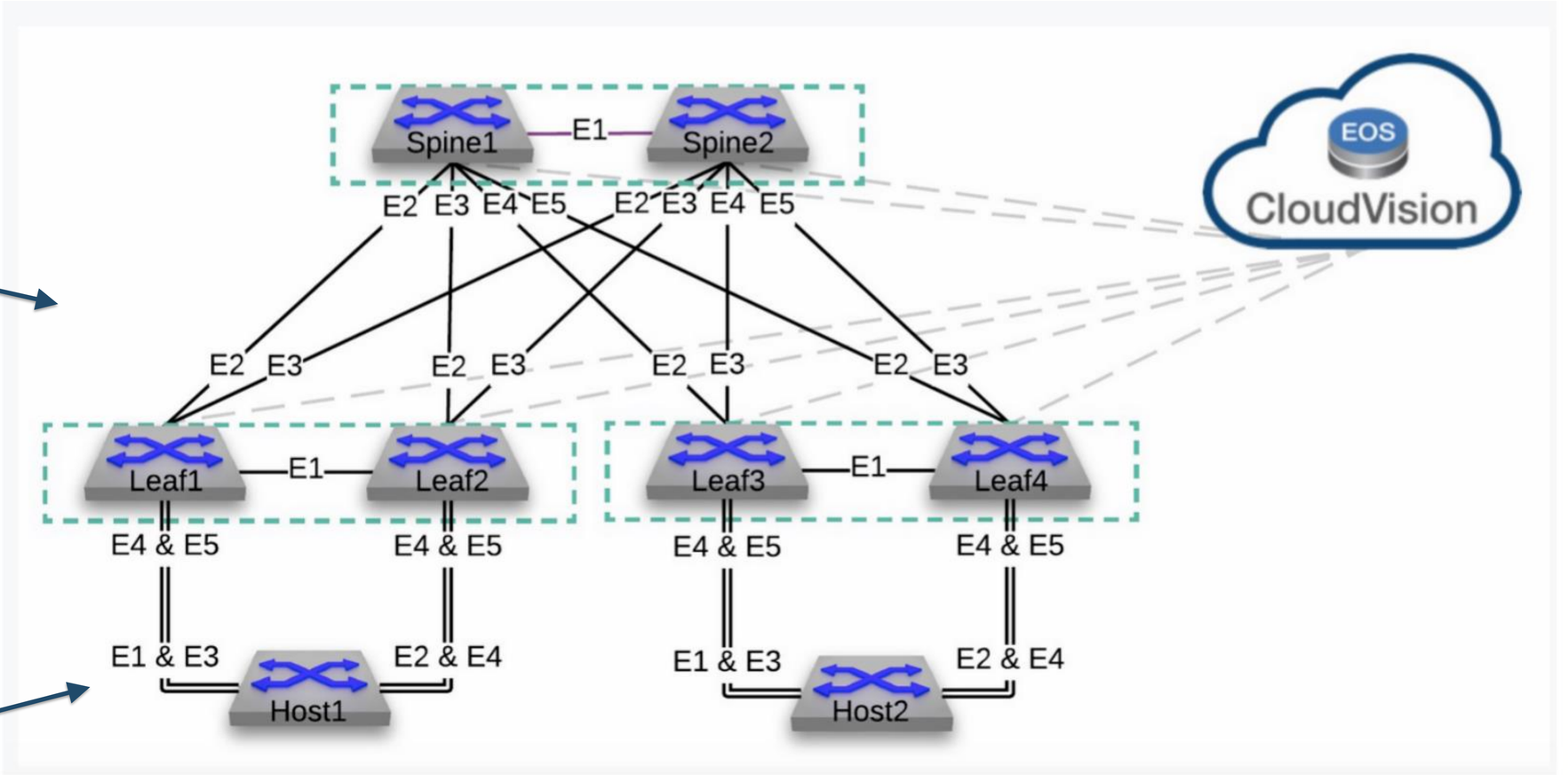
Lab Topology

Spine / Leaf Topology

Traffic testing via Host1 and 2



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Lab Topology

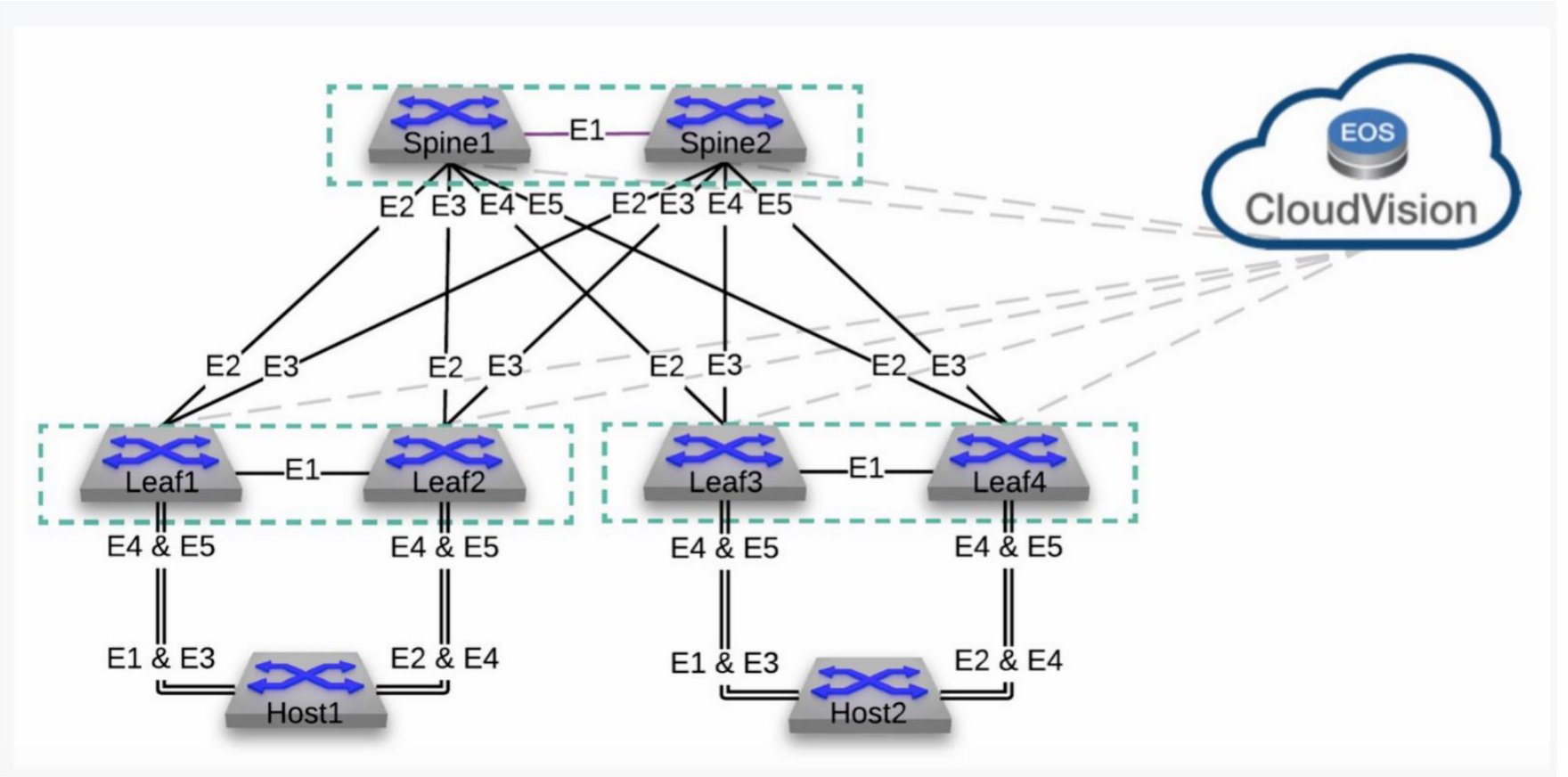
```
Spine1:     192.168.0.10/24
Spine2:     192.168.0.11/24

Leaf1:      192.168.0.14/24
Leaf2:      192.168.0.15/24
Leaf3:      192.168.0.16/24
Leaf4:      192.168.0.17/24

Host1:      192.168.0.31/24
Host2:      192.168.0.32/24

CVX:        192.168.0.44/24

CVP:        192.168.0.5/24
Devbox:     192.168.0.4/24
```



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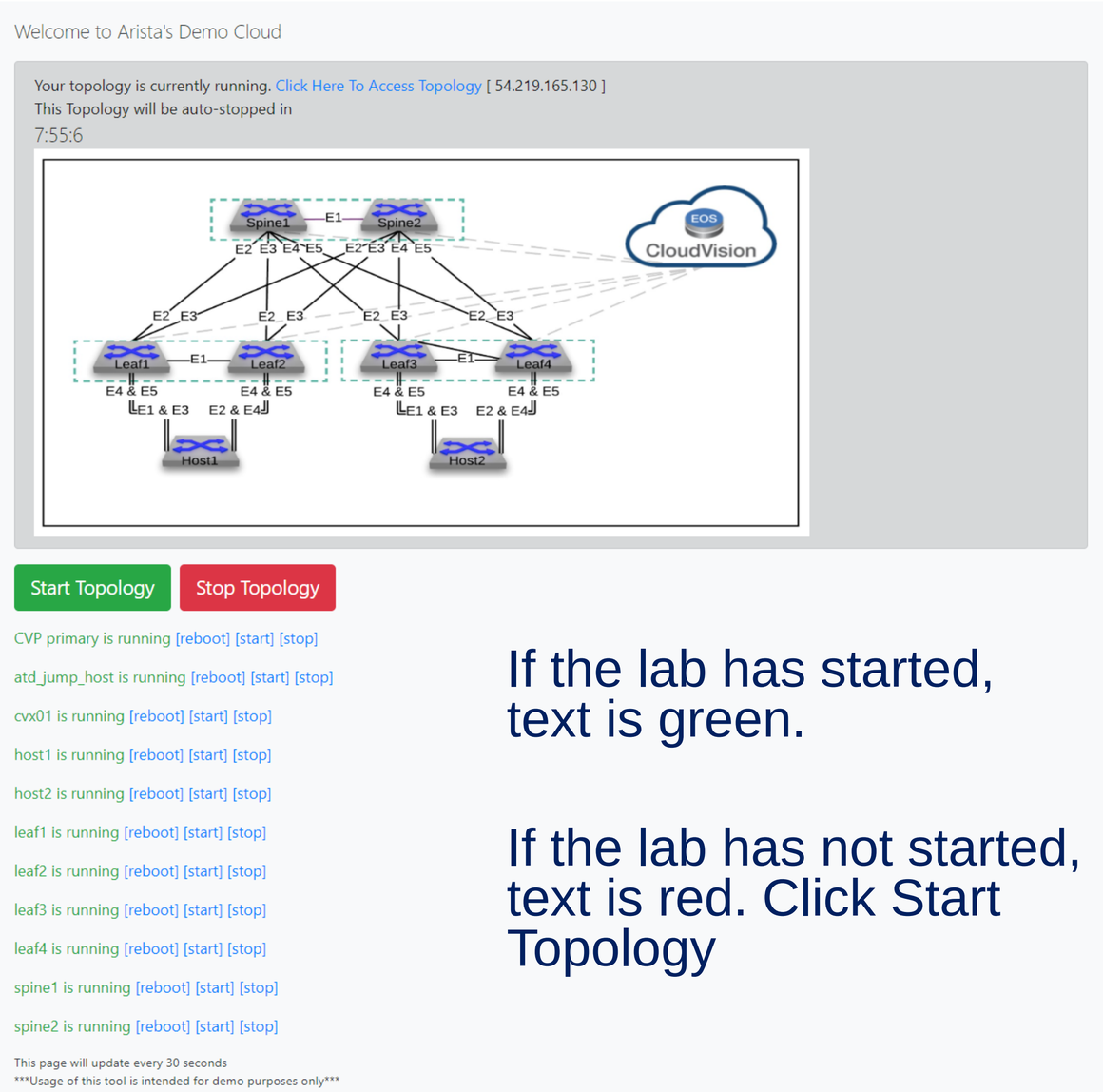
Lab Access



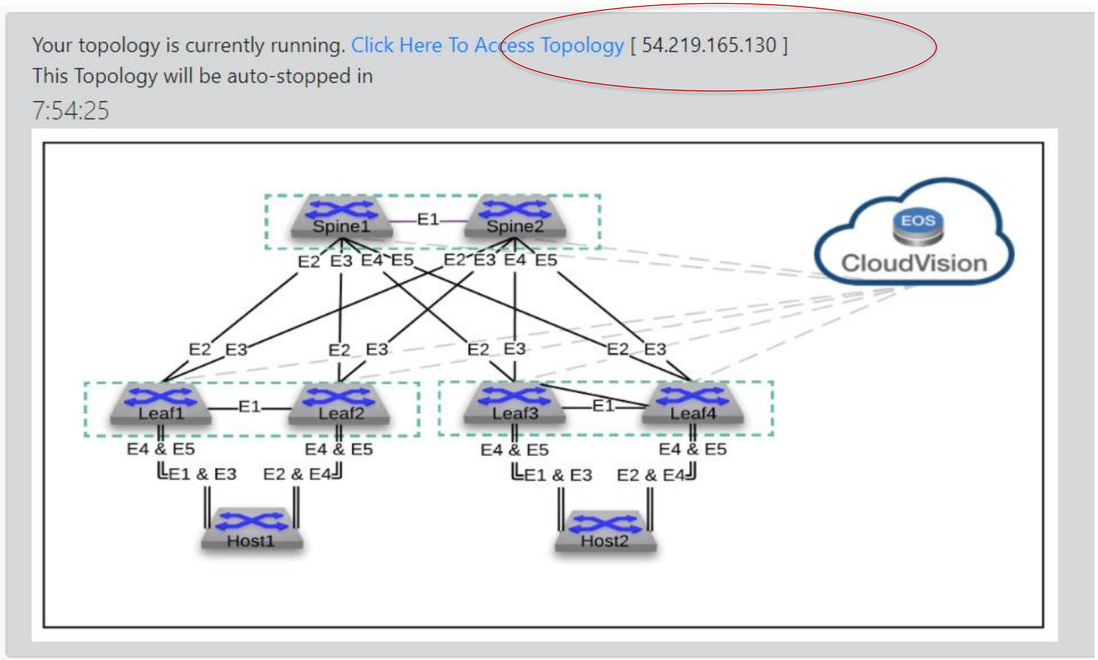
If the lab has started, text is green.

If the lab has not started, text is red. Click Start Topology

You all should have received an email with your personal network instance.

Lab accessible via Web 8181 and 443 and SSH port 22

SSH Address



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ARISTA

Lab Access – Lab Guides & Frontend

Lab Guides, Frontend and CVP

ARISTA

- Lab Guides(PDF)
- Lab Frontend
- CVP
- CVP Telemetry
- IPAM
- Jenkins

Arista Test Drive Lab

Welcome to the Arista Test Drive Lab! Please use the links on the left to navigate through the lab.

Usernames and Passwords

Use the following usernames and passwords to access the ATD:

Device	Username	Password
Lab Frontend	arista	@rista123
CVP	arista	arista
IPAM	arista	Arista123
Lab VM SSH	arista	arista7993
VEOS Instances	arista	arista

Usernames and Passwords

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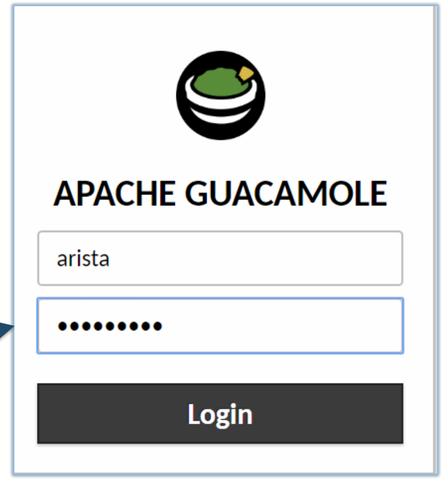
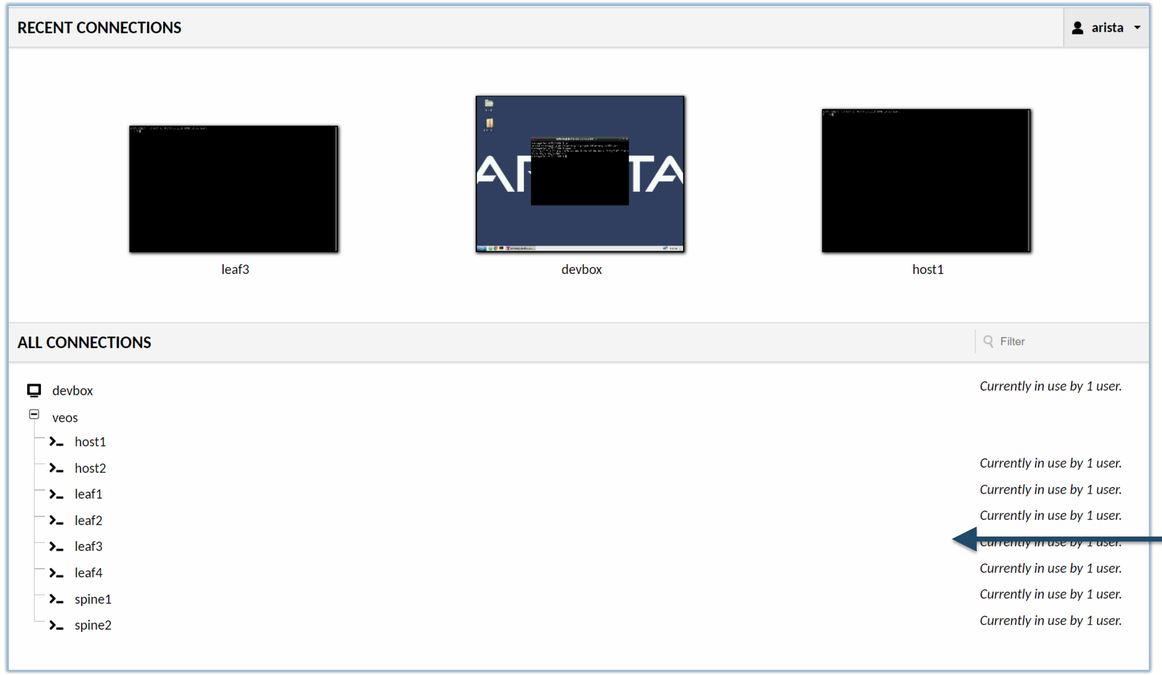
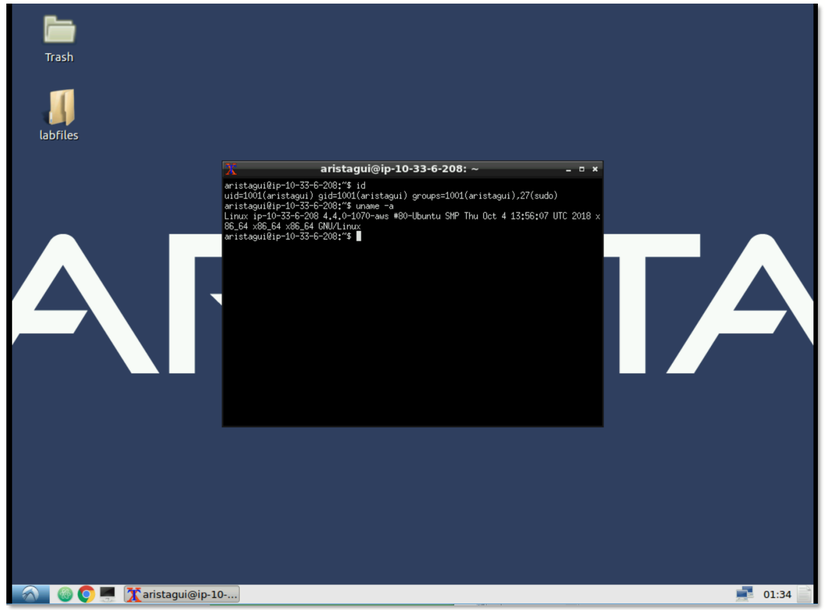
Lab Access – Lab Frontend

Apache Guacamole
is SSH Client
arista / @rista123







devbox Ubuntu system for
OOB SSH and scripting labs

Open link in new tab for each system.
Out of band management access

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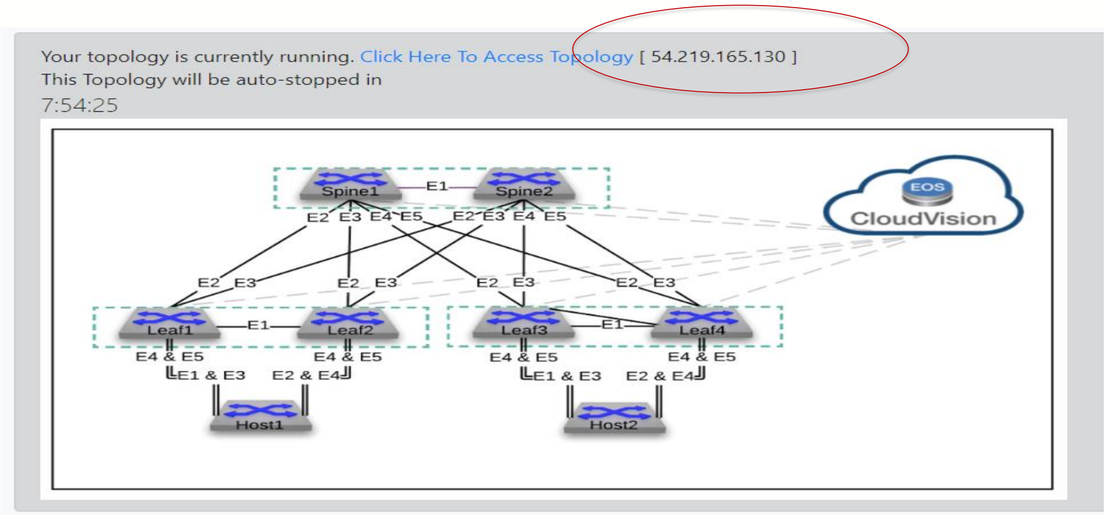
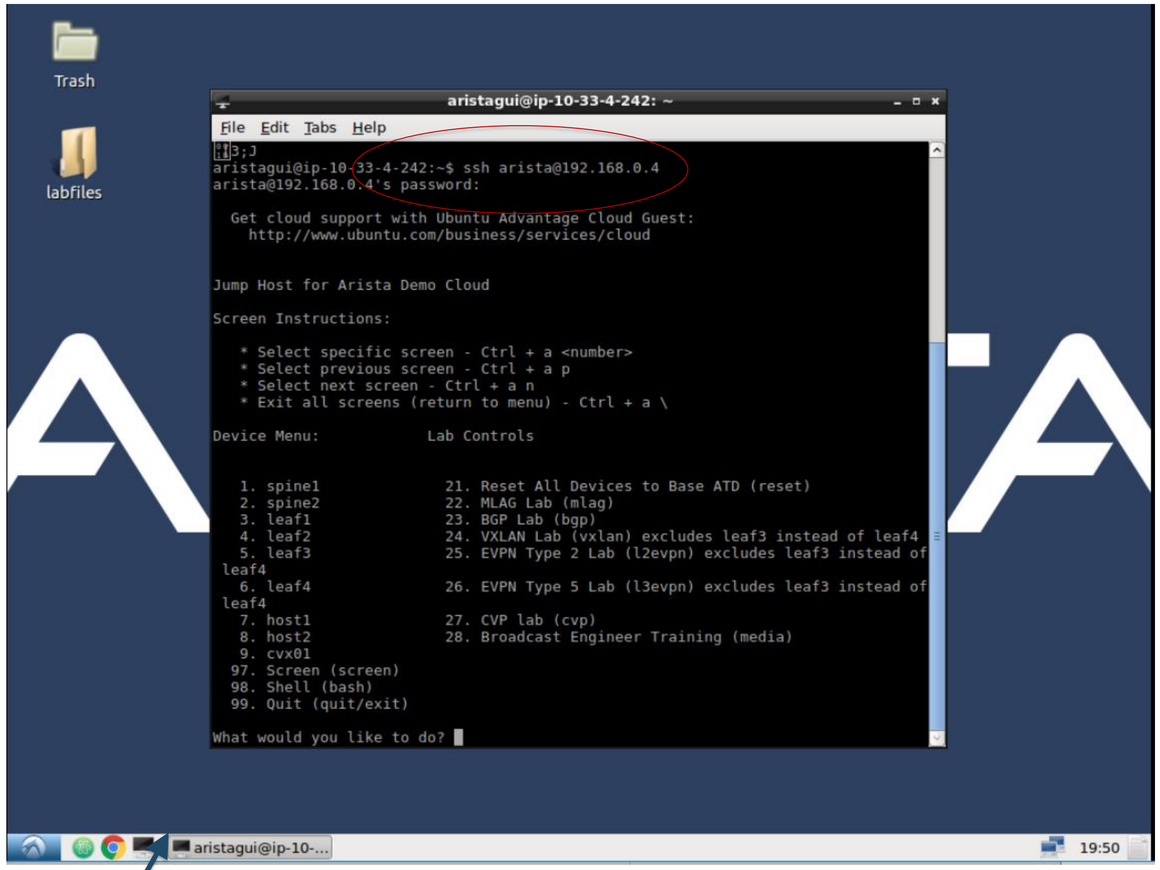
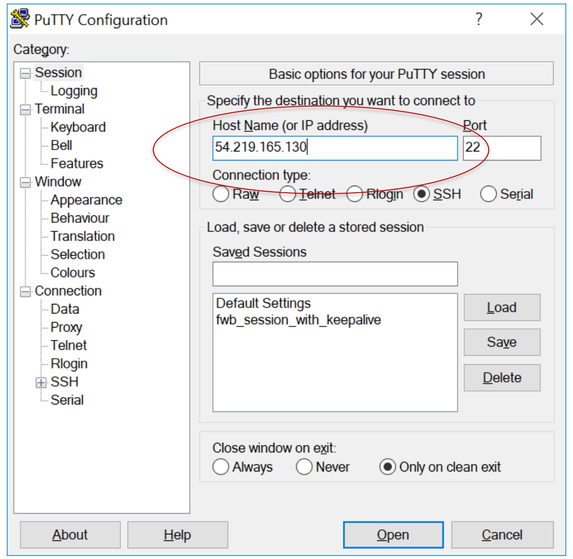
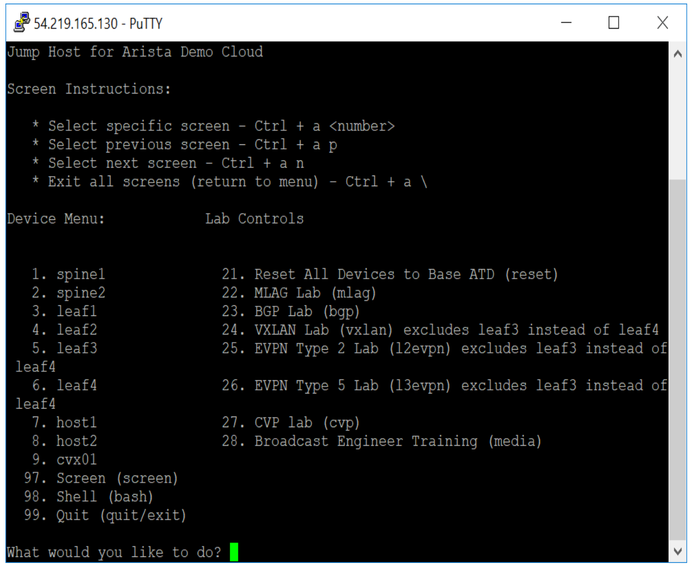
Lab Access – SSH Access









If SSH is restricted use devbox LXTerminal – **ssh arista@192.168.0.4**

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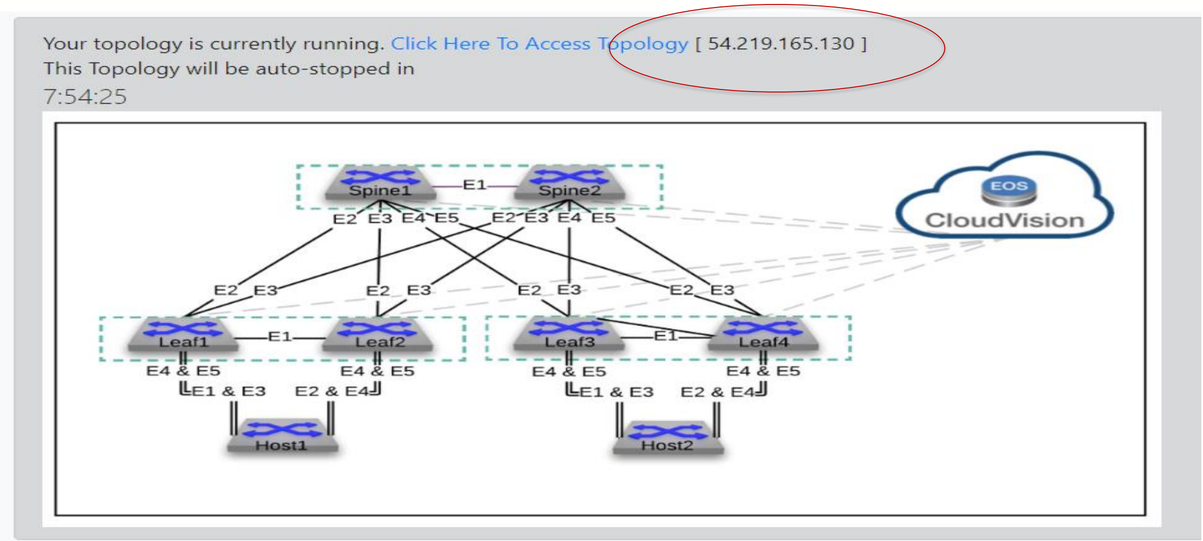
Lab Access – Screen / Multi-System Access




```
  Get cloud support with Ubuntu Advantage Cloud Guest:
    http://www.ubuntu.com/business/services/cloud


Jump Host for Arista Demo Cloud

Screen Instructions:

   * Select specific screen - Ctrl + a <number>
   * Select previous screen - Ctrl + a p
   * Select next screen - Ctrl + a n
   * Exit all screens (return to menu) - Ctrl + a \

Device Menu:            Lab Controls


   1. spine1              21. Reset All Devices to Base ATD (reset)
   2. spine2              22. MLAG Lab (mlag)
   3. leaf1               23. BGP Lab (bgp)
   4. leaf2               24. VXLAN Lab (vxlan) excludes leaf3 instead of leaf4
   5. leaf3               25. EVPN Type 2 Lab (l2evpn) excludes leaf3 instead of leaf4
   6. leaf4               26. EVPN Type 5 Lab (l3evpn) excludes leaf3 instead of leaf4
   7. host1               27. CVP lab (cvp)
   8. host2               28. Broadcast Engineer Training (media)
   9. cvx01
  97. Screen (screen)
  98. Shell (bash)
  99. Quit (quit/exit)

What would you like to do? 
```

Menu to jump between screens, deploy lab configurations and run Bash shell

Ctrl + a <#>

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Lab Access – Screen Option

<Ctrl+a> 1: Spine1
<Ctrl+a> 2: Spine2
<Ctrl+a> 3: Leaf1
<Ctrl+a> 4: Leaf2
<Ctrl+a> 5: Leaf3
<Ctrl+a> 6: Leaf4
<Ctrl+a> 7: Host1
<Ctrl+a> 8: Host2
<Ctrl+a> 9: CVX01

Menu to jump between screens, deploy lab configurations and run Bash shell

Ctrl + a <#>

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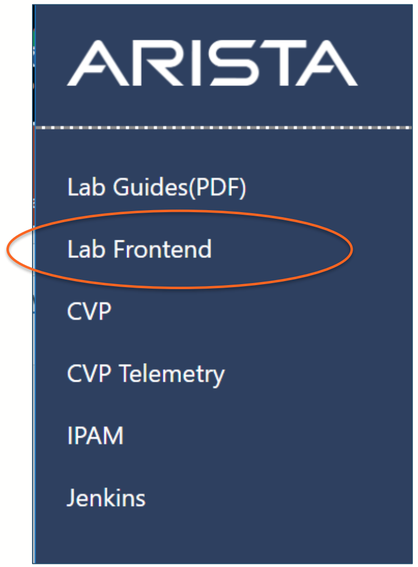
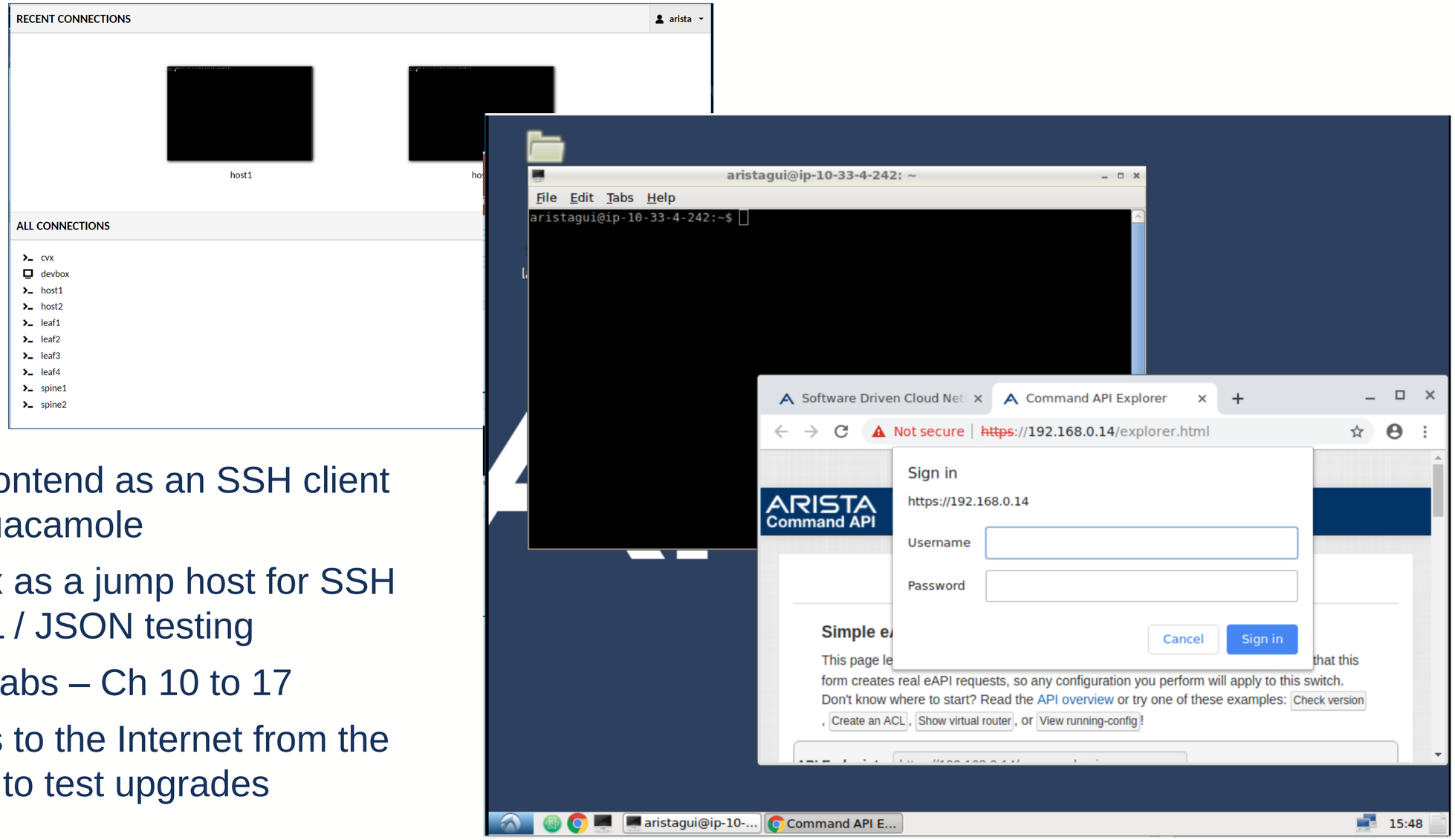
Lab Access – Lab Frontend





- Use the Lab Frontend as an SSH client with HTML5 Guacamole
- Use the devbox as a jump host for SSH and eAPI / XML / JSON testing
- Programming Labs – Ch 10 to 17
- Chrome access to the Internet from the devbox system to test upgrades

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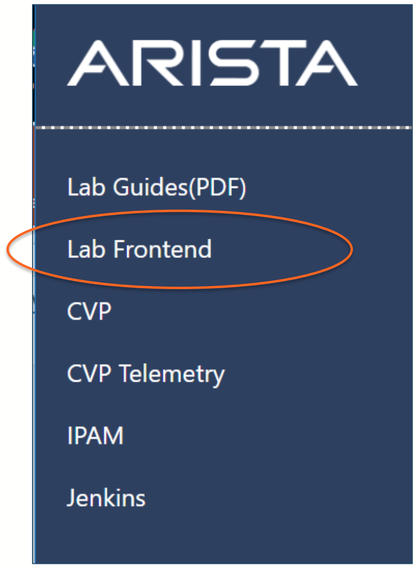
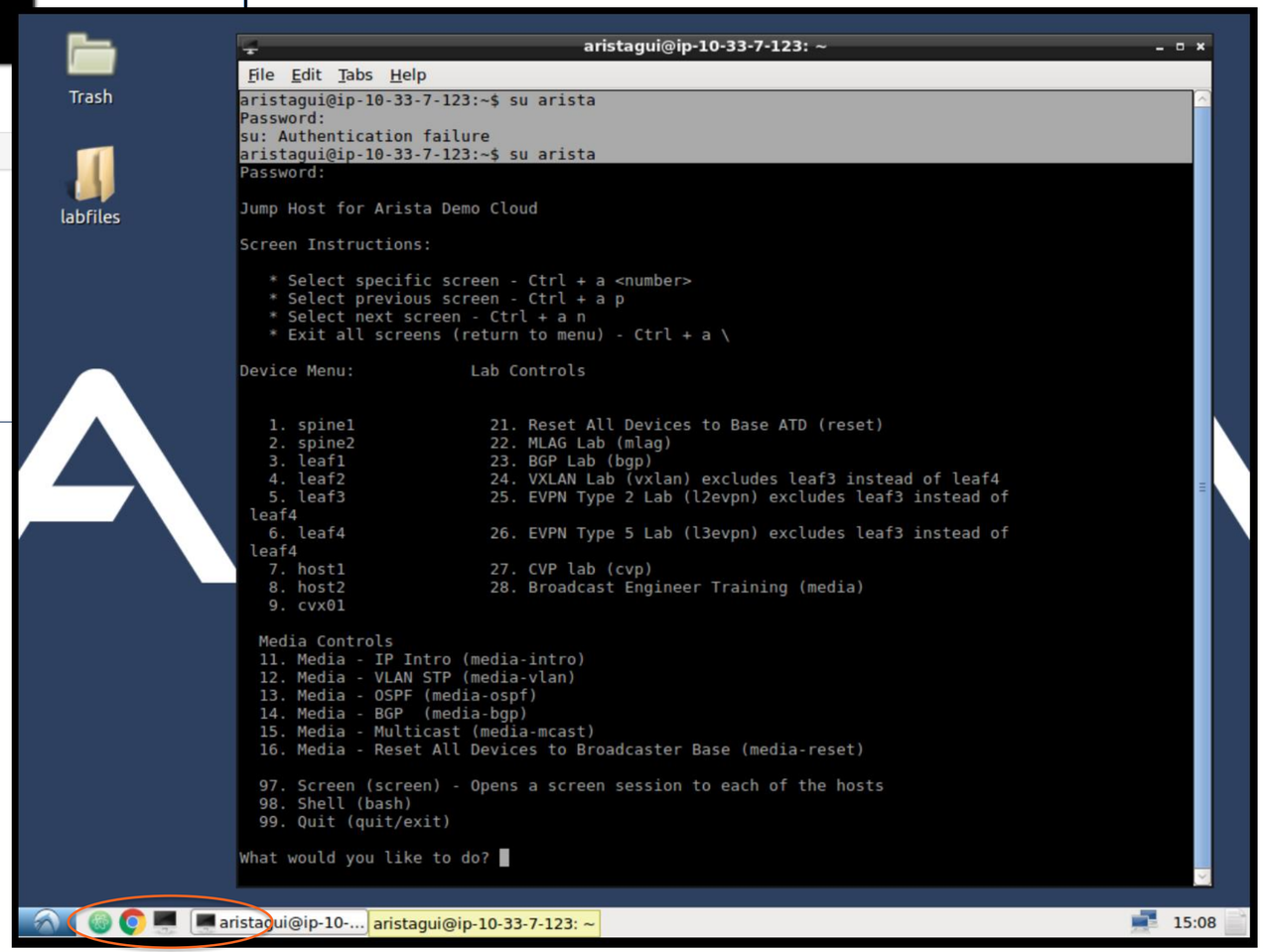
Lab Access – Lab Frontend





- Start Multiple Terminal Sessions
- For the LabAccess Jump System
  - Click on **Lab Frontend**
  - Select **devbox**
  - Start a Terminal Session (Bottom Left)
  - '**su arista**' and use the "Lab VM SSH" Password

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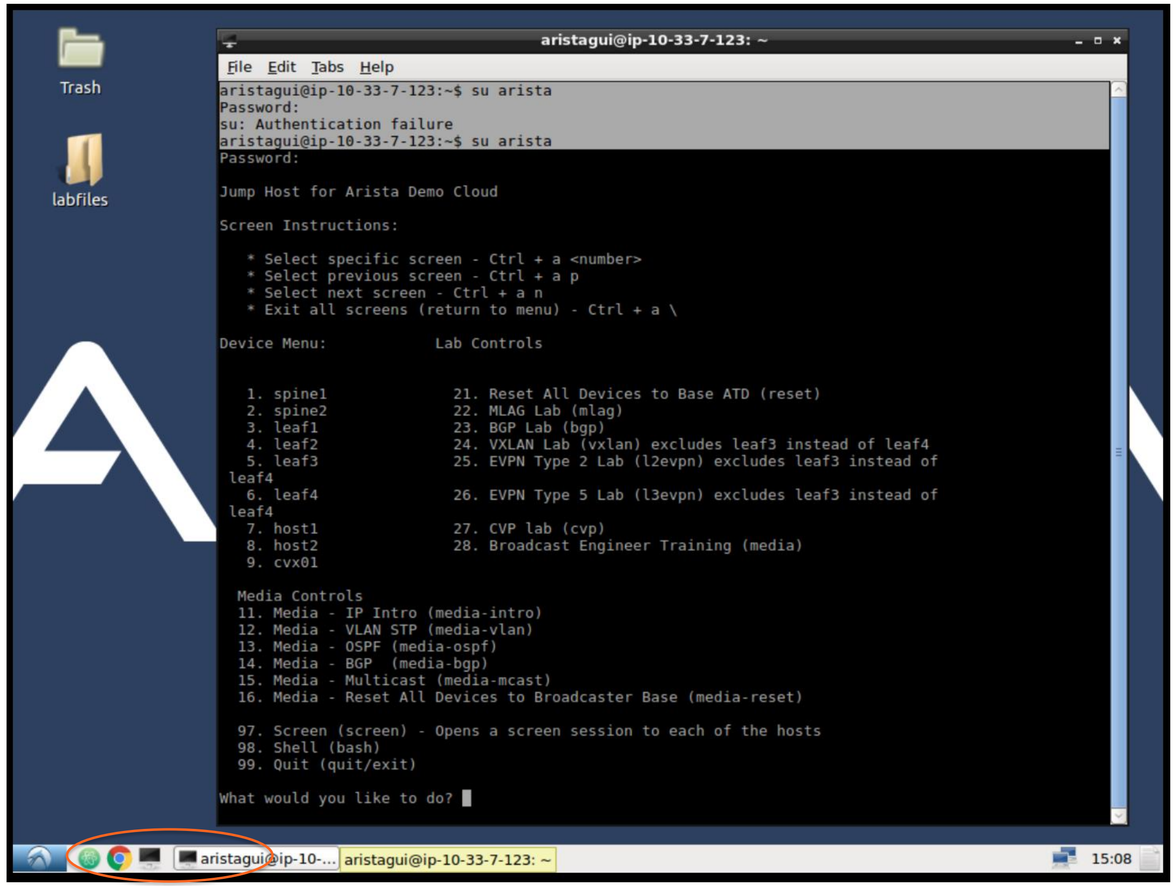
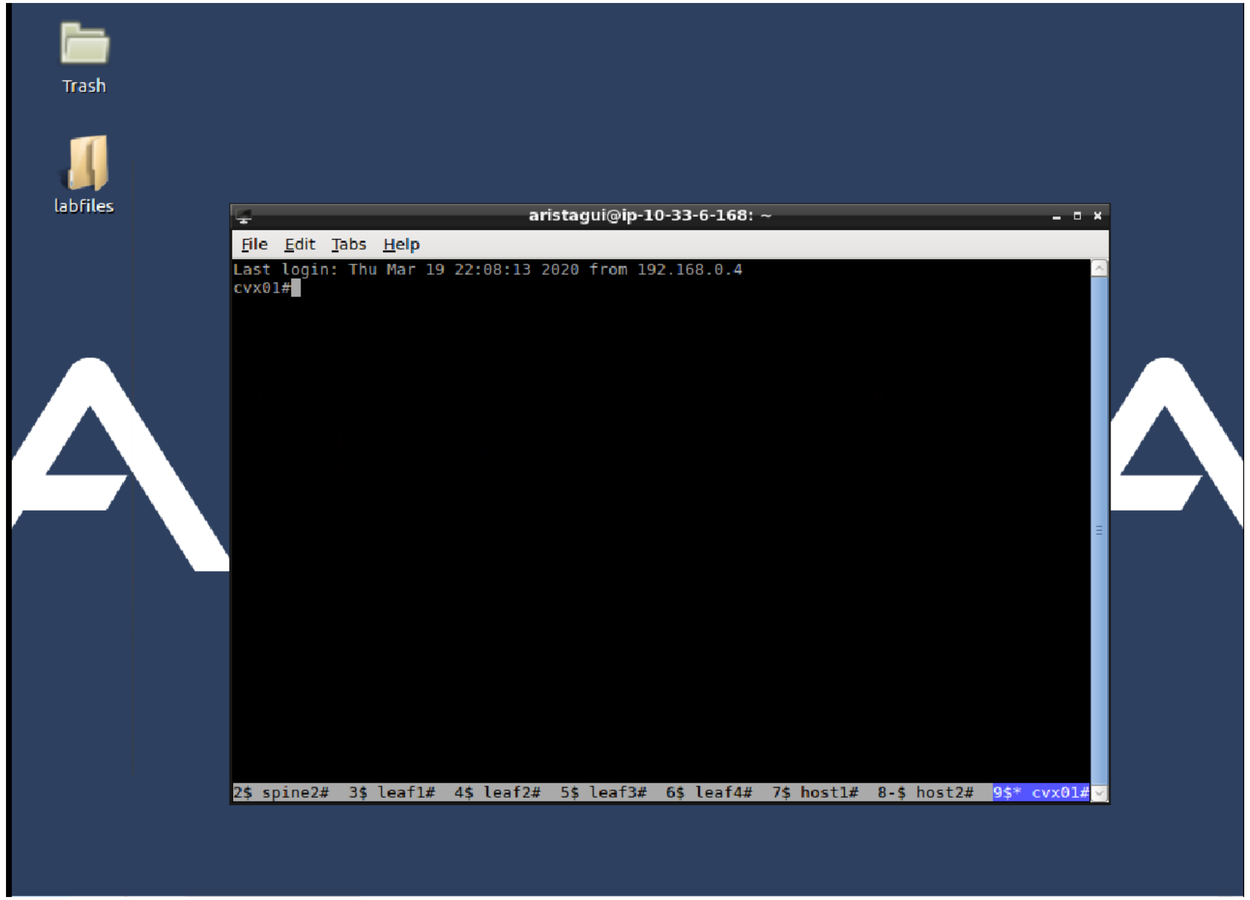
Lab Access – Lab Frontend





- To get screen to work on Lab Frontend:
  - Launch the terminal
  - ssh arista@192.168.0.4, enter the assigned password
  - At the menu, enter 97 to start the screen session

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Arista Test Drive Sections

- MLAG – Multiple Link Aggregation
- Layer 3 Leaf / Spine and vARP (Virtual ARP, Distributed Default GW)
- VXLAN – Stretching Layer-2
- L2 EVPN – Stretching Layer-2
- L3 EVPN – Segmenting Layer 2 & 3
- CVX / CloudVision eXtension – VXLAN Learning
- CVP / CloudVision Portal Overview

Extra Credit

- VMTracer – VMware Automation
- Python Scripting
- Puppet, Chef, Ansible Automated Configuration
- CloudVision Portal Telemetry and Automated Configuration

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Lab Access – Multicast Training

```
  Get cloud support with Ubuntu Advantage Cloud Guest:
    http://www.ubuntu.com/business/services/cloud


Jump Host for Arista Demo Cloud

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   9. cvx01
  97. Screen (screen) - Opens a screen session to each of the hosts
  98. Shell (bash)
  99. Quit (quit/exit)

What would you like to do? ▌
```

Select the Broadcast Engineering Training

Switches are configured, files copied, and Media Control options added to the Menu

```
Prepping host vms and enabling eAPI
Connection to 192.168.0.31 closed.
Connection to 192.168.0.32 closed.
Updating File Permissions
Copying Configs
media-host1.cfg                                          100% 1994     2.0KB/s   00:00
media-host2.cfg                                          100% 1944     1.9KB/s   00:00
default-host1.cfg                                        100% 2258     2.2KB/s   00:00
default-host2.cfg                                        100% 2109     2.1KB/s   00:00
mcast-source.sh                                          100%  176     0.2KB/s   00:00
mcast-receiver.sh                                        100%   79     0.1KB/s   00:00
Loading Configs
Connection to 192.168.0.31 closed.
Connection to 192.168.0.32 closed.
```

```
Jump Host for Arista Demo Cloud

Screen Instructions:

   * Select specific screen - Ctrl + a <number>
   * Select previous screen - Ctrl + a p
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   7. host1               27. CVP lab (cvp)
   8. host2               28. Broadcast Engineer Training (media)
   9. cvx01

  Media Controls
  11. Media - IP Intro (media-intro)
  12. Media - VLAN STP (media-vlan)
  13. Media - OSPF (media-ospf)
  14. Media - BGP  (media-bgp)
  15. Media - Multicast (media-mcast)
  16. Media - Reset All Devices to Broadcaster Base (media-reset)

  97. Screen (screen) - Opens a screen session to each of the hosts
  98. Shell (bash)
  99. Quit (quit/exit)

What would you like to do? ▌
```


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TRAINING OPTIONS

Arista Networks

http://solutions.arista.com/training

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Arista Certification Roadmap

- Arista Certified Engineering – Associate
  - Arista Configuration Essentials 2.1 Class recommended

- Arista Certified Engineering – Professional
  - Arista Programming Essentials
  - Arista Linux Essentials
  - Arista Advanced Training
  - Arista Design Essentials

- Arista Certified Engineering – Expert
  - ACE-A and ACE-P Recommended
  - 2 Day Lab Exam @ Arista HQ
  - Focus includes:
    - Arista Design and configuration
    - Arista Programming and DevOps
    - Automation and Troubleshooting

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ARISTA CONFIGURATION ESSENTIALS (ACE) 2.1

- 3-day, instructor-led
- Hands-on course

- Arista HW Overview
- Switch Configuration Basics
- Zero-Touch Provisioning
- Multi-Chassis LAG (MLAG)
- Monitoring
- DANZ
- Arista EOS Overview
- Switch Maintenance
- CloudVision
- Virtual Extensible LAN (VXLAN)
- VMTracer
- eAPI

- This course is designed to provide the student with a significant amount of meaningful hands-on lab time to support topics covered in class. Candidates for this course should have a working knowledge of L2 and L3 protocols. Experience with Linux, Bash and Python is a plus.

- Corresponds to ACE-A Certification

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ARISTA PROGRAMMING ESSENTIALS (APE)

- 2-day, instructor-led
- Hands-on course

- Python Overview
- Pretty Python
- Packages
- Exception Handling
- Using eAPI
- RPM and SWIX Packaging
- User and Data Input Types
- Functions and Modules
- File I/O
- eAPI Overview
- Using PYeAPI
- EOS SDK

- Everyone in networking should learn to program, but they don't necessarily need to be a developer. This course is designed to get networking people up to speed on Python with a focus on Arista's eAPI so that they can write useful automation scripts in a short period of time.

- One of 4 classes supporting the ACE-P Certification

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ARISTA LINUX ESSENTIALS (ALE)

- 2-day, instructor-led
- Hands-on course
  - UNIX and Linux History
  - Linux Distributions
  - Getting Help
  - The Linux Boot Process
  - Run Levels and Startup Files
  - Logging in, Shells, SSH
  - User Management and Administrative Access
  - The Linux Filesystem Types and Hierarchy
  - Navigating the Filesystem
  - Managing Files
  - I/O, Pipes and Redirection
  - Editors
  - Basic Shell Programming in bash, sed and awk
  - Job Control and Scheduling
  - System Monitoring

- Linux is everywhere today, and as the scale of computing grows and the scale of Linux deployments grows with it, IT professionals need to keep up with the pace of that growth. Arista's switch technology is a combination of advanced hardware and software, at the core of which is the Extensible Operating System, designed and built around a core of Linux. This course will familiarize students with the background and history of UNIX/Linux systems, dive into how a Linux system runs and show how to interact with it in relation to Arista's product line.

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ARISTA MANAGEMENT ESSENTIALS (AME)

- 2-day, instructor-led
- Hands-on course
  - CloudVision Overview
  - CloudVision Intro and Navigation
  - Introduction to Configlets
  - Configlet Builder
  - CloudVision Exchange
  - Change Control in CloudVision
  - Switch Image Upgrades using CloudVision
  - Zero Touch Replacement with CloudVision
  - CloudVision Application Maintenance
  - Telemetry in CloudVision
  - CloudVision API Integration

- AME training is available both in-person and virtual, designed for users who want to learn more about using Arista CloudVision® for managing their physical and virtual Arista networking devices.

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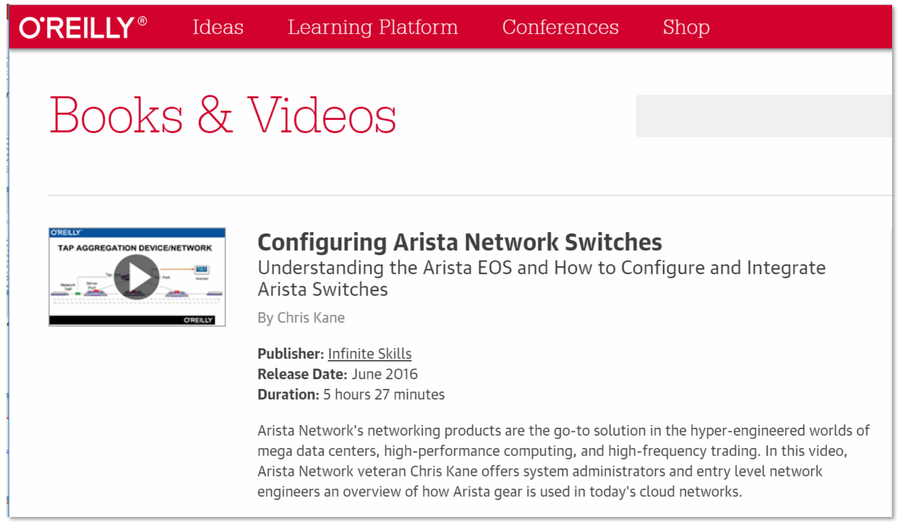
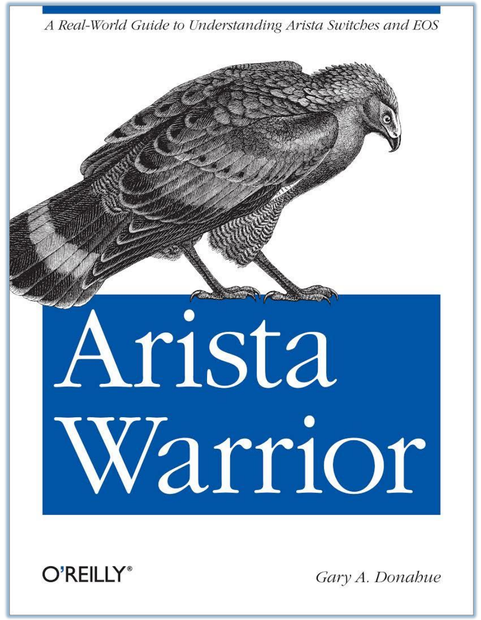
EXAM PREP RESOURCES

- Books
- Hardware Quick Start Guides
- Transfer of Information (TOI)
- Transceiver & Cables
- Supported Features across Platforms
- EOS Licensing

- Arista GitHub Page
- EOS Central
- vEOS (hands on)



http://shop.oreilly.com/product/0636920050889.do



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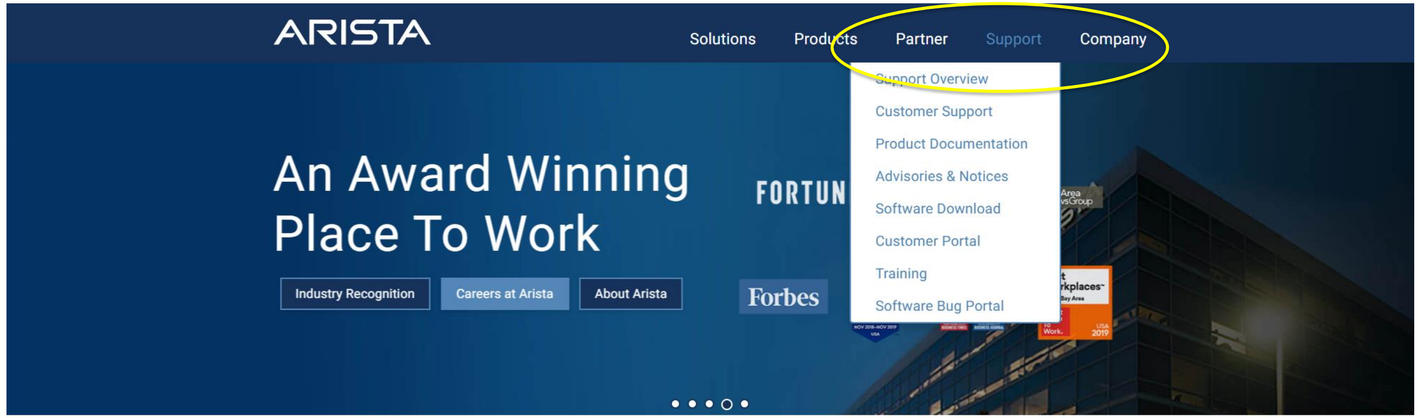
EOS Central

- HW Installation Guides
- Configuration Guides
- Transfer of Information (TOI)
- Transceiver & Cables
- EOS Licensing
- Forums for Q&A



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Product Documentation

- HW Installation Guides
- Configuration Guides
- Product Bulletins
- Feature Licensing
- End of Life Policy

Software | Hardware | Policies

Software Documentation

Latest EOS Documentation	PDF
EOS System Configuration Guide	
vEOS Router Configuration Guide	
For documentation on other EOS releases, please visit our Software Download page.	

CloudVision Documentation	PDF
CloudVision Configuration Guide	
CloudVision Portal API Guide	
CloudVision Video Guides	

7130 Products
7130 User-Guides

Product Bulletins
CloudVision Portal 2018.2
EOS release 4.22.1F
EOS release 4.22.0F
EOS release 4.21.3F
EOS release 4.21.0F and 4.21.1F
EOS release 4.20.5F
CloudVision Portal 2018.1.0
CloudVision Portal 2017.2.0
EOS release 4.20.1F
EOS release 4.18.1F
CloudVision Portal 2017.1.0
EOS release 4.18.0F

Resources	
EOS Central	The officially unofficial EOS community forum, interact with others in the EOS community; ask / answer questions and browse articles on a multitude of topics about configuring and leveraging EOS.
Arista Supported Features	A complete list of supported features per platform
Arista SNMP MIBs	List of supported SNMP MIBs for EOS
EOS Feature Licensing	A list of EOS features that are licensed

Software | Hardware | Policies

Hardware Installation Documentation, Service Guides and Videos

Product Family Documentation	Products	PDF	Installation & Service Video
7500N Series	DCS-7504N, DCS-7508N, DCS-7512N, DCS-7516N		
7500 Series	DCS-7504 / 7504E, DCS-7508 / 7508E, 7500R		
7368X Series	DCS-7368X4		
7300 Series	DCS-7304, DCS-7308, DCS-7316, DCS-7324, DCS-7328, DCS-7304X3, DCS-7308X3		
7280CR Series 1RU	DCS-7280CR2A-30, DCS-7280CR2K-30		
7280X Series 1RU (Gen 3)	DCS-7280SE-64, DCS-7280SE-68, DCS-7280SE-72, DCS-7280QR-C36, DCS-7280TR-48C6, DCS-7280SR2A-48YC6, DCS-7280TRA-48C6, DCS-7280QRA-C36S, DCS-7280SRAM-48C6, DCS-7280SR-48C6, DCS-7280SR2-48YC6, DCS-7280SRA-48C6, DCS-7280SR2K-48C6, DCS-7280SRM-40CX2		
7100 Series 1RU (Gen 3)	DCS-7160-32CQ,DCS-7160-48YC6,DCS-7160-48TC6,DCS-7170-32C,DCS-7170-32CD		
7060 Series 1RU (Gen 3)	DCS-7060CX-32S, DCS-7060CX2-32S, DCS-7060SX2-48YC6		
7050 Series 1RU (Gen 3)	DCS-7050QX-32S, DCS-7050TX-48, DCS-7050QX2-32S, DCS-7050TX-64, DCS-7050SX-64, DCS-7050TX-72, DCS-7050SX-72, DCS-7050TX-72Q, DCS-7050SX-72Q, DCS-7050TX-96, DCS-7050SX2-72Q, DCS-7050SX-96, DCS-7050CX3-32S, DCS-7050SX3-48YC12, DCS-7050SX3-48YC8		
7020 Series 1RU (Gen 3)	DCS-7020TR-48, DCS-7020TRA-48 , DCS-7020SR-24C2 , DCS-7020SRG-24C2		
720XP Series 1 RU (Gen 3)	CCS-720XP-48ZC2		
7000 Series 2RU	DCS-7050SX-128, DCS-7250QX-64, DCS-7280CR-48, DCS-7050TX-128, DCS-7260QX-64, DCS-7280CR2-60, DCS-7050SX2-128, DCS-7260CX-64, DCS-7280CR2A-60, DCS-7050TX2-128, DCS-7260CX3-64, DCS-7280CR2K-60		
7000 Series 1RU (Gen 2)	DCS-7048T-A, DCS-7050T-64, DCS-7050Q-16, DCS-7124FX, DCS-7050QX-32, DCS-7124SX, DCS-7050S-52, DCS-7150S-24, DCS-7050S-64, DCS-7150S-52, DCS-7050T-36, DCS-7150S-64, DCS-7050T-52		
7000 Series 1RU (Gen 1)	DCS-7120T-4S, DCS-7140T-4S, DCS-7148SX, DCS-7048T, DCS-7124S, DCS-7148S		
7010 Series 1RU	DCS-7010T-48 , DCS-7010T-48-DC		
CloudVision Appliance	DCA-CV-100		
	DCA-200-CV		

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ARISTA

Transceivers & Cables

- Distance & Fiber Type
- LC, MTP Termination

By Type | In Detail | Technical Resources

10/100/1000 RJ45	Type	Media/Reach
7050T, 7050TX, 7010T	Cat5e, Cat6, Cat6A, Cat7	100m
1GbE SFP	**Type**	**Media/Reach**
All SFP/SFP+ Ports	1000BASE-SX	50µ MMF / 550m
	1000BASE-LX	9µ SMF / 10km
	1000BASE-T	Cat5e / 100m
10GBASE-T RJ45	**Type**	**Media/Reach**
All 10GBASE-T Ports	Cat5e/6 U/UTP	55m
	Cat6/6A F/UTP	100m
	Cat7 S/FTP	100m
10G Optical SFP+	**Type**	**Media/Reach**
All SFP/SFP+ Ports	10GBASE-SRL	50µ MMF / 100m
	10GBASE-SR	50µ MMF / 300m
	10GBASE-LRL	9µ SMF / 1km
	10GBASE-LR	9µ SMF / 10km
	10GBASE-ER	9µ SMF / 40km
	10GBASE-ZR	9µ SMF / 80km
	10GBASE-DWDM (40 Wavelengths)	9µ SMF / 80km
	10GBASE-DWDM (Tunable)	9µ SMF / 80km
	10GBASE-AOC	Pre-terminated in 3, 5, 7, 10, 15, 20, 25, 30m lengths
10G Copper SFP+	**Type**	**Media/Reach**
All SFP/SFP+ Ports	10GBASE-CR Twinax / CX1 / 'Direct Attach'	Pre-terminated in 0.5m, 1m, 1.5m, 2m, 2.5m 3m, 5m lengths
25G Optics SFP	**Type**	**Media/Reach**
All 25G SFP Ports	25GBASE-SR	50µ MMF / 70m (OM3), 100m (OM4)
	25GBASE-LR	9µ SMF / 10km
	25GBASE-AOC	Pre-terminated in 3, 5, 7, 10, 15, 20, 25, 30m lengths
25G Copper SFP	**Type**	**Media/Reach**
All 25G SFP Ports	25GBASE-CR Twinax / 'Direct Attach'	Pre-terminated in 1m, 2m, 3m, 5m lengths
40G Optical QSFP	**Type**	**Media/Reach**
	40GBASE-SR4	50µ MMF / 100m (OM3), 150m (OM4)

By Type | In Detail | Technical Resources

Port Type	Transceiver & Connector	Arista Switch Platform										
		7010T	7150S	7280E	7280R	7500E	7500R	7250QX	7300X	7320X	7170	7130
10/100/1000BASE-T	RJ45	✔										
10GBASE-T	RJ45				✔	✔			✔			
1000BASE-SX	SFP (LC)	✔	✔	✔	✔	✔	✔		✔		✔	
1000BASE-LX	SFP (LC)	✔	✔	✔	✔	✔	✔		✔		✔	
1000BASE-T	SFP (RJ45)	✔	✔	✔	✔	✔	✔		✔		✔	✔
10GBASE-SRL	SFP+ (LC)	✔	✔	✔	✔	✔	✔		✔		✔	✔
10GBASE-SR	SFP+ (LC)	✔	✔	✔	✔	✔	✔		✔		✔	✔
10GBASE-LR/LRL	SFP+ (LC)	✔	✔	✔	✔	✔	✔		✔		✔	✔
10GBASE-ER	SFP+ (LC)		✔	✔	✔	✔	✔		✔		✔	✔
10GBASE-ZR	SFP+ (LC)		✔	✔	✔	✔	✔		✔		✔	
10GBASE-DWDM Tunable	SFP+ (LC)		✔	✔	✔	✔	✔		✔		✔	
10GBASE-CR	SFP+ (DAC)	✔	✔	✔	✔	✔	✔				✔	✔
10GBASE-AOC	SFP+ (DAC)	✔	✔	✔	✔	✔	✔		✔		✔	
25GBASE-SR	SFP (LC)				✔ (7280SR2)		✔					
25GBASE-LR	SFP (LC)				✔ (7280SR2)		✔					
25GBASE-CR	SFP (DAC)				✔ (7280SR2)		✔					
25GBASE-AOC	SFP (DAC)				✔ (7280SR2)		✔					
40GBASE-SR4/40GBASE-XSR4	QSFP+ (MTP)		✔	✔	✔	✔	✔	✔	✔	✔	✔	
40GBASE-BIDI	QSFP+ (LC)		✔	✔	✔	✔	✔	✔	✔	✔	✔	
40GBASE-UNIV	QSFP+ (LC)		✔	✔	✔	✔	✔	✔	✔	✔	✔	
40GBASE-LR4	QSFP+ (LC)		✔	✔	✔	✔	✔	✔	✔	✔	✔	
40GBASE-LRL4	QSFP+ (LC)		✔	✔	✔	✔	✔	✔	✔	✔	✔	
40GBASE-PLR4	QSFP+ (MTP)		✔	✔	✔	✔	✔	✔	✔	✔	✔	
40GBASE-PLRL4	QSFP+ (MTP)		✔	✔	✔	✔	✔	✔	✔	✔	✔	
40GBASE-ER4	QSFP+ (LC)		✔	✔	✔	✔	✔	✔	✔	✔	✔	
40GBASE-CR4	QSFP+ (DAC)		✔	✔	✔	✔	✔	✔	✔	✔	✔	

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ARISTA

Supported Features across Platforms

Supported Features in EOS

The features listed below are supported in the latest EOS release. Please see the Release Notes for more details on a specific release. For more information on EOS licenses, please refer to the EOS feature licensing page

Product Type	Product Model	Product Features	
◉ Fixed	☐ 7280R3	☑ All	Search
○ Modular	☑ 7280R2	☑ Management Features	Clear
○ Software	☐ 7280R	☑ SNMP MIBs	
	☐ 7280E		

Product Features	7280R2	Licenses
MANAGEMENT FEATURES		
Industry Standard CLI	✓	
In band management	✓	
SSH v2	✓	
Telnet	✓	
Ingress IPv6 Access Control Lists (ACL)	✓	
Egress IPv6 Access Control Lists (ACL)	✓	
Control-Plane Access Control Lists (CP-ACL)	✓	
TACACS+ Authentication and Authorization (PAP)	✓	
TACACS+ Accounting	✓	
RADIUS Authentication	✓	
RADIUS Accounting	✓	
RADIUS Authorization	✓	
Management port isolation	✓	
DNS Client	✓	
NTP	✓	
NTPv6	✓	
IEEE 1588 PTP boundary clock	✓	
IEEE 1588 PTP transparent clock	✓	
IEEE 802.1AB LLDP	✓	
Syslog	✓	
File download via FTP, HTTP, HTTPS, FTP, SCP, SFTP and TFTP	✓	
Access Control List (ACL) deny logging	✓	
Access Control List (ACL) permit logging	✗	
Discontiguous masks for IPv6 ACLs	✓	E
VRF aware ACL logging	✓	E
CLI Scheduler	✓	
Event Manager	✓	
Event Monitor	✓	
Tcpdump sessions	✓	
LANZ (Latency Analyzer)	✓	Z
LANZ queue Sampling	✗	Z
User-Configurable Hardware Control Plane Policing	✓	
Management VRF	✓	
Role Based Access Control	✓	
Time-stamping	✓	Z
Mirror to EOS	✓	Z
Access Control Lists (ACL) Filters for Mirror Sessions	✓	Z
TAP Aggregation	✓	Z
EOS API (eAPI)	✓	Z
Openflow	✗	Z
DirectFlow	✗	Z
Leaf SSU - Hitless Upgrade	✗	
Spine SSU - Maintenance mode	✓	
Path Tracer	✗	V2
MapReduce Tracer with YARN Support	✓	V2
Configure Replace	✓	
Config Sesssion	✓	
Config versions	✓	
Mirroring to GRE tunnel	✓	
Bug Alerts	✓	CV
OpenConfig models over gRPC or RESTCONF or NETCONF	✓	Z
SNMP MIBS		
SNMP TRAPS		
L2 FEATURES		
QOS FEATURES		
VXLAN FEATURES		
L3 FEATURES		
MULTICAST FEATURES		
MPLS FEATURES		
CAMPUS FEATURES		
ADVANCED FEATURES		

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ARISTA

EOS Licensing

EOS Licensing Overview | EOS Platform Licensing | Automation/Visibility | vEOS Router

The Arista software platforms, EOS and CloudVision, are designed to provide flexibility both in the choice of the appropriate feature functionality and in the software consumption model. The base feature set of Arista EOS comes bundled with the Arista products and systems. A set of feature licenses are available to enable additional functionality in advanced feature sets.

The traditional licensing procurement model employs a perpetual term for the right to use the feature, set at a fixed price. For Arista CloudVision and vEOS Router, the functionality is available as a monthly subscription, for an agreed upon term.

The following diagrams depict the two primary groupings for the advanced feature sets:

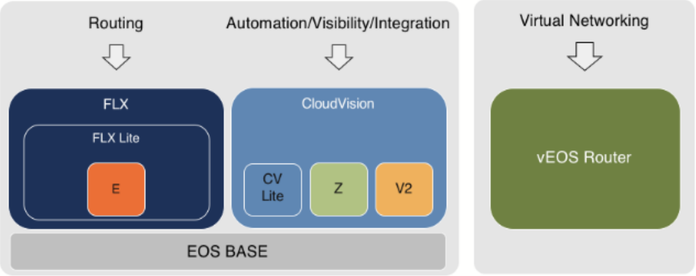

Figure 1: Software Procurement Approach

- Routing: General Routing functionality (BGP, Multicast, etc) is available in the E license. The FLX Lite license expands that to include key features like BGP-EVPN for VXLAN. The FLX license is the superset that also includes larger routing tables and MPLS features. See the EOS Platform Licensing tab for specifics.
- Automation/Visibility: CloudVision is the most complete offering for advanced automation and visibility. Arista also offers subsets of that offering with CloudVision Lite, for entry-level GUI functionality, and the Z license for discrete APIs and visibility tools. See the Automation/Visibility tab for specifics. Agility through EOS Extensions and Partner Integration: The V2 license includes capability to run custom extensions natively or via containers in EOS. In addition, the V2 license gives customers an option of integrating with Arista's best of breed ecosystem for security, analytics, visibility, and other use-cases.
- vEOS Router: This product is a software-based datapath for routing, advanced network telemetry and secure IPSec VPN connectivity in a software-only package for EOS, for virtualized and cloud native deployments. See the vEOS Router tab for specifics.

EOS Licensing Overview | EOS Platform Licensing | Automation/Visibility | vEOS Router

Arista EOS offers a broad range of advanced features through the feature sets shown in diagram below.

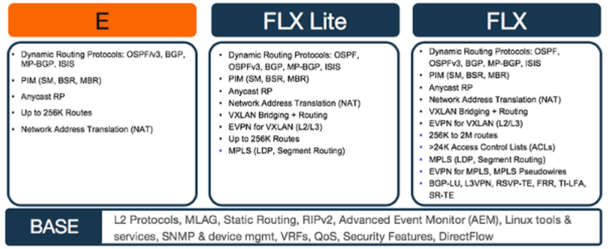

Figure 1: Software license to feature mapping

The following section explains how EOS licenses map to the platforms. The platform mapping model uses a SKU naming convention, subdivided into fixed and modular platforms. The Platform to License SKU mapping is available here.

The EOS licensing for platforms employs a perpetual term for the right to use the feature. The model is subdivided for fixed and modular platforms as follows:

Fixed Switching Platforms

The perpetual license on Arista fixed configuration 1RU and 2RU switches are subdivided based on the various attributes such as chip capacity, system features, port speeds etc. Each of the licenses are subdivided into the four categories

- **LIC-FIX-1-X*, LIC-FIX-2-X*, LIC-FIX-3-X* and LIC-FIX-4-X*:** Where "X" can be FLX, FLX-Lite, E, V2 or Z licenses

Modular Switching Platforms

EOS licenses for modular switches are based on the total number of linecard slots. Each of the licenses are subdivided into the following categories

- **LIC-MOD-1-X*: This licenses features on modular switches with 4 linecard slots**
- **LIC-MOD-2-X*: This licenses features on modular switches with 8 linecard slots**
- **LIC-MOD-3-X*: This licenses features on modular switches with 12 linecard slots**
- **LIC-MOD-4-X*: This licenses features on modular switches with 16 linecard slots**

Where "X" can be FLX, FLX-Lite, E, V2 or Z licenses.

1 Gigabit Switching Platforms

EOS licensing for 1G/mG platforms are slightly modified from the other 10G and above platforms. FLX and FLX-Lite licenses are available for 1G/mG platforms, covering a subset of the features available for 10G fixed platforms.

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ARISTA

EOS Central

ARISTA EOS CENTRAL

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Transfer of Information (TOI) – learn what are the latest features included within an EOS release

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Video Library

View technology related videos created by Arista engineers

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Github

FREE repository of extensions that you can script and automate Arista switches with. Feel free to use or post your extensions on here

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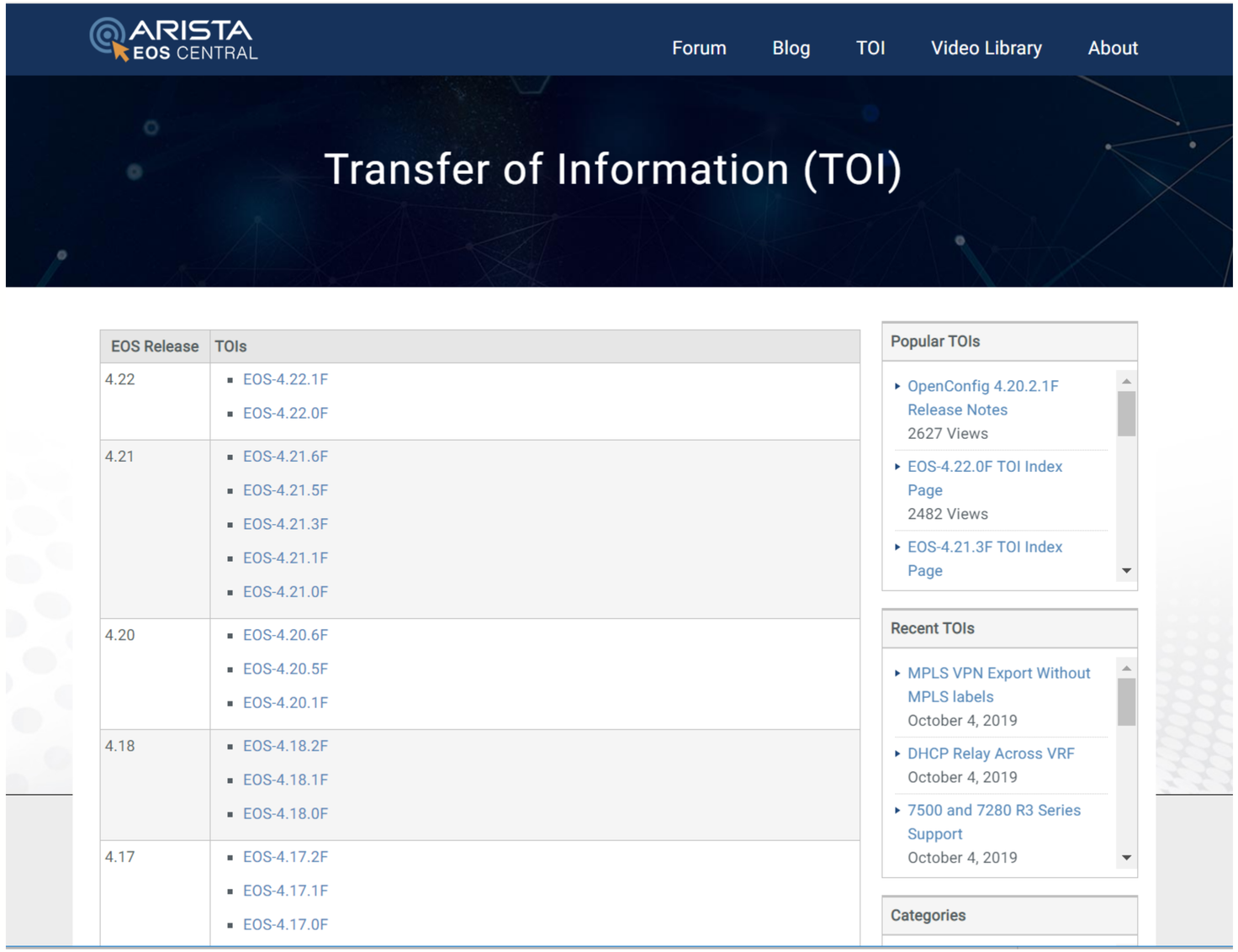
Transfer of Information (TOI)

- Detailed Feature Configs
- Supported Platform Options
- Comparison of Features



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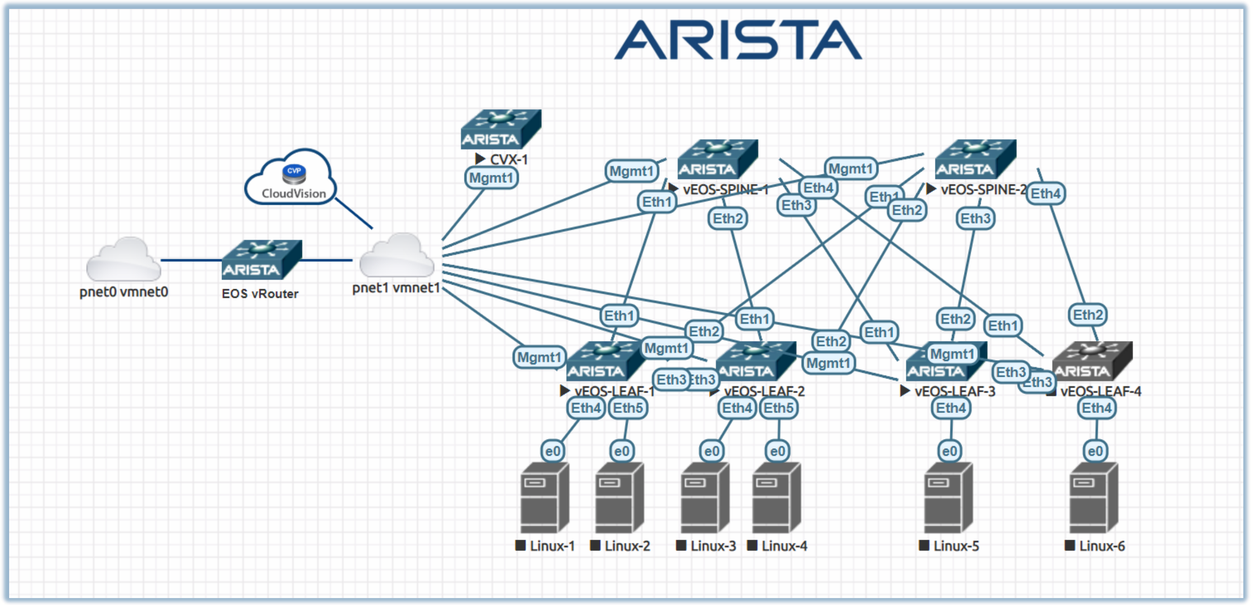
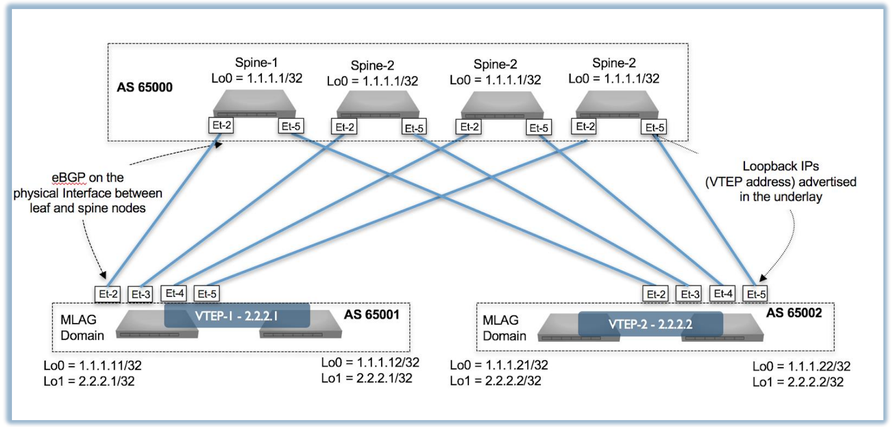
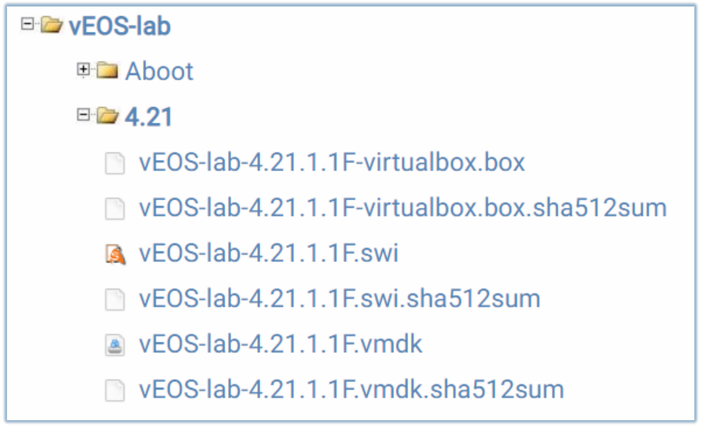
vEOS – Hands on from the Comfort of your Laptop







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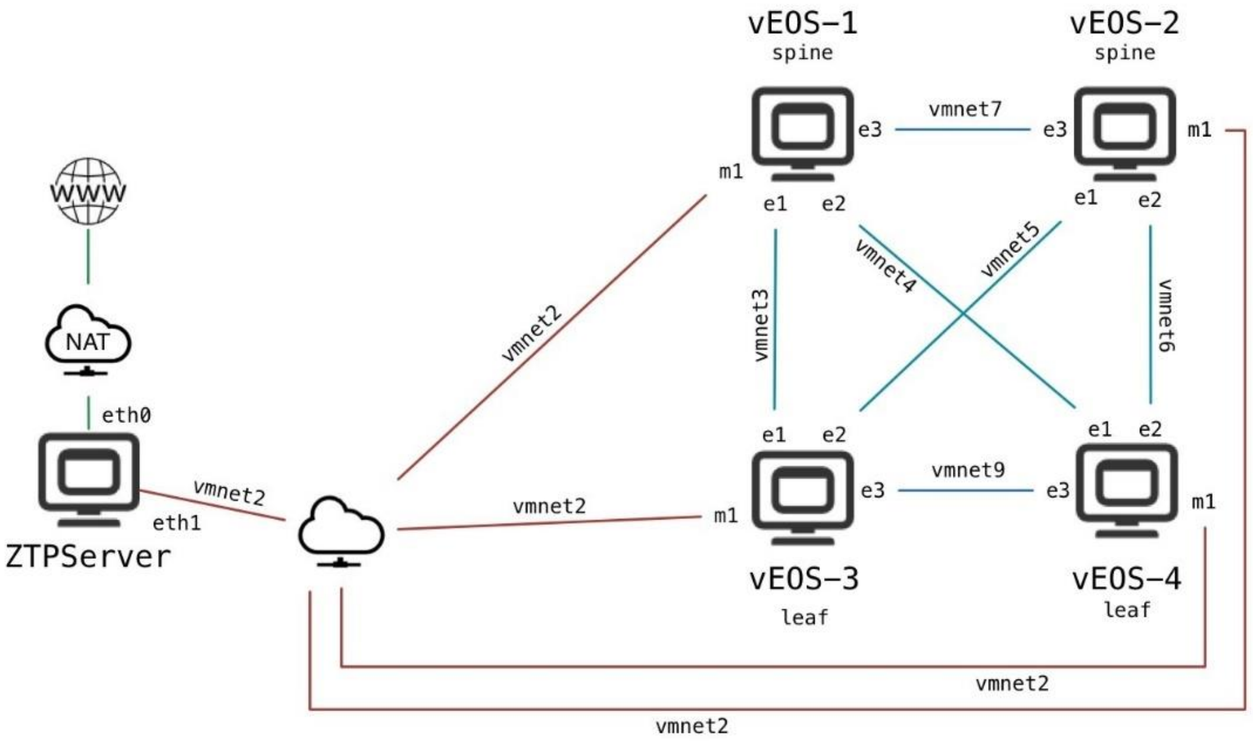
Arista’s GitHub Page

- https://github.com/arista-eosplus
- https://github.com/arista-eosplus/packer-veos



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