



Arista Use Case

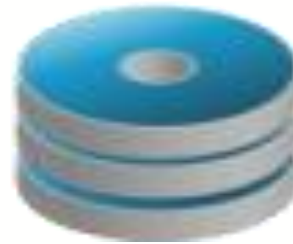
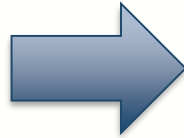
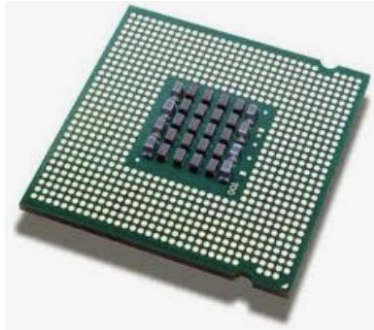
Gerry Lu
Taiwan, 2019

Session Agenda

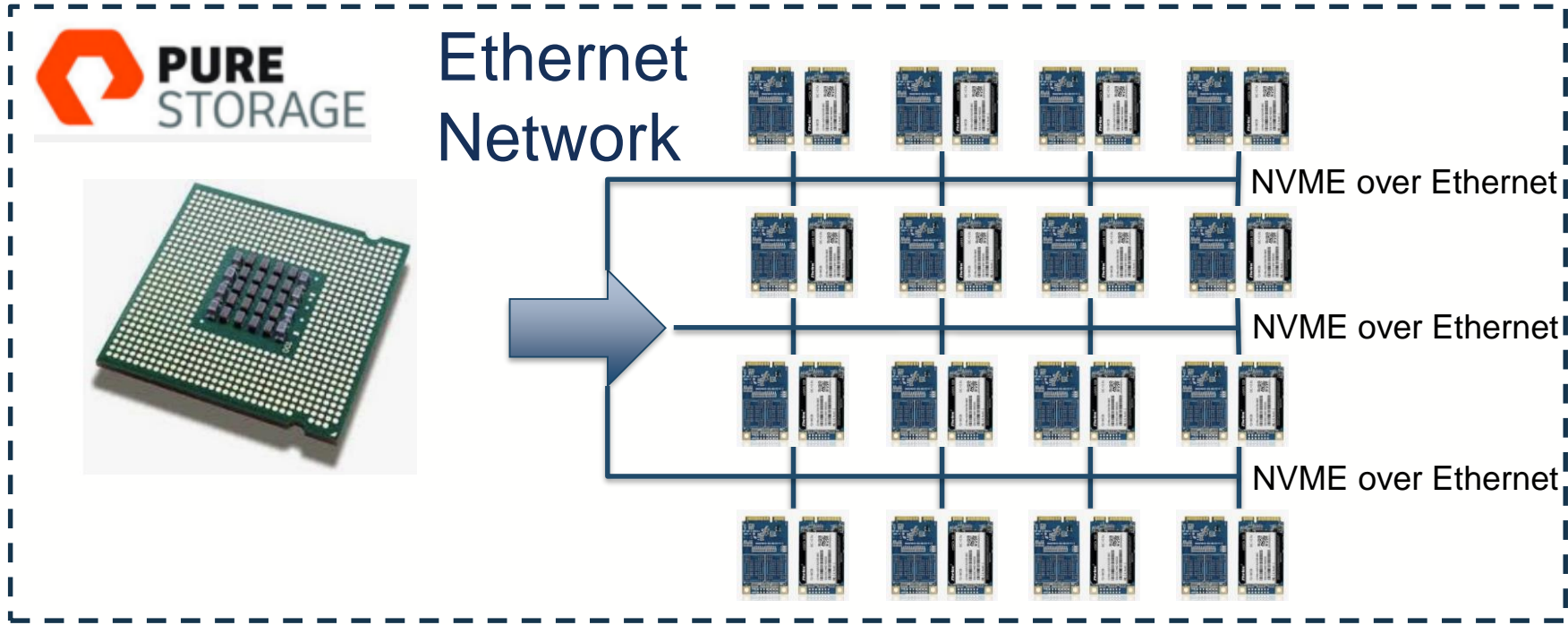
- IP Storage Network
- EVPN VXLAN Network



NVME over Ethernet



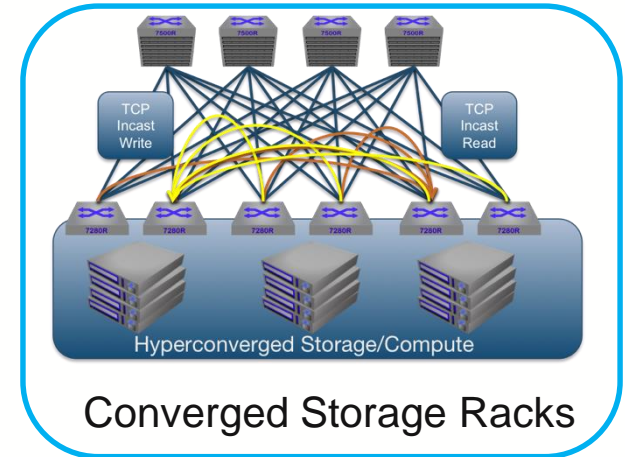
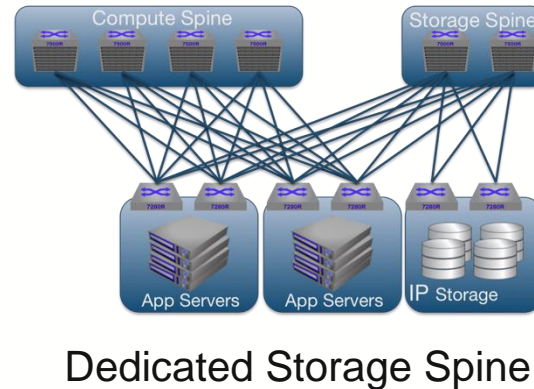
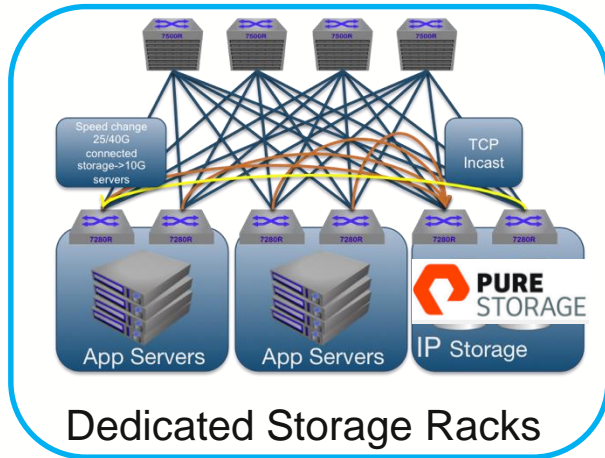
NVME over Ethernet



IP Storage Network

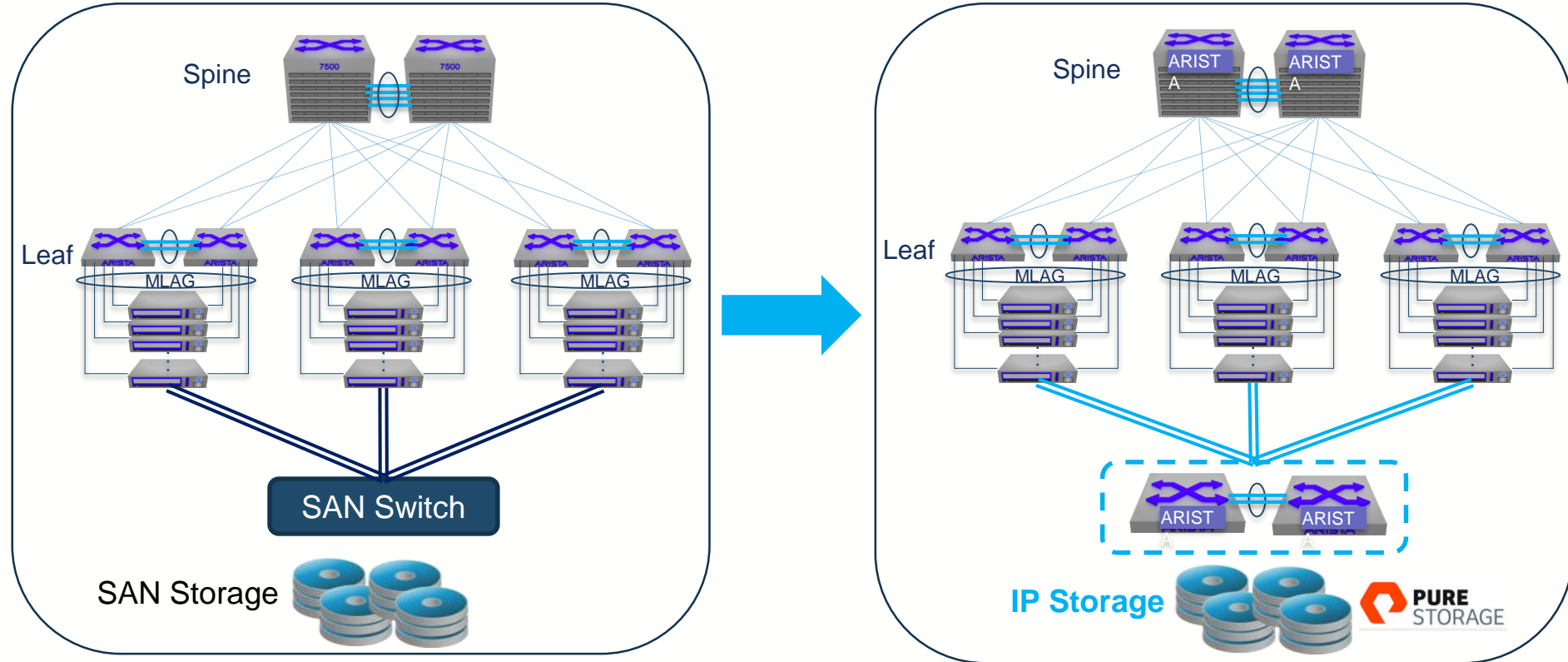
- 7500R and 7280R systems
 - Fixed systems for Storage Leaf Switch
 - Modular and fixed systems for Spine
- Seamless migration from 10G to 100G
 - 25G and 50G for next generation systems

- Arista Architectural Advantages
 - VoQ and Dynamic Deep Buffers
 - Cell based architecture
 - Storage optimized QoS – DCB and PFC
 - Advanced Telemetry for performance monitoring



IP Storage Network

SAN to IP storage Transition



EVPN VXLAN Network (Anycast Gateway)

Underlay

BGP

VXLAN Control Service (CVX)
Head-End Replication
EVPN

Layer 2 VXLAN Overlay(s)

Active/Active VTEP's + MLAG

VNI-4002

VNI-6013

VXLAN Bridging & Routing

Dual-Homed Leaf

Dual-Homed Leaf

Storage Leaf

Internet Transit/DMZ

VTEP

VTEP

VTEP

VTEP

VTEP

VTEP

VTEP

VTEP

MLAG

MLAG

MLAG

MLAG

Web Servers

App Delivery

Controllers

Firewalls

External Network

NAS

IP Storage

Deep Buffers

IP Storage

Web Servers

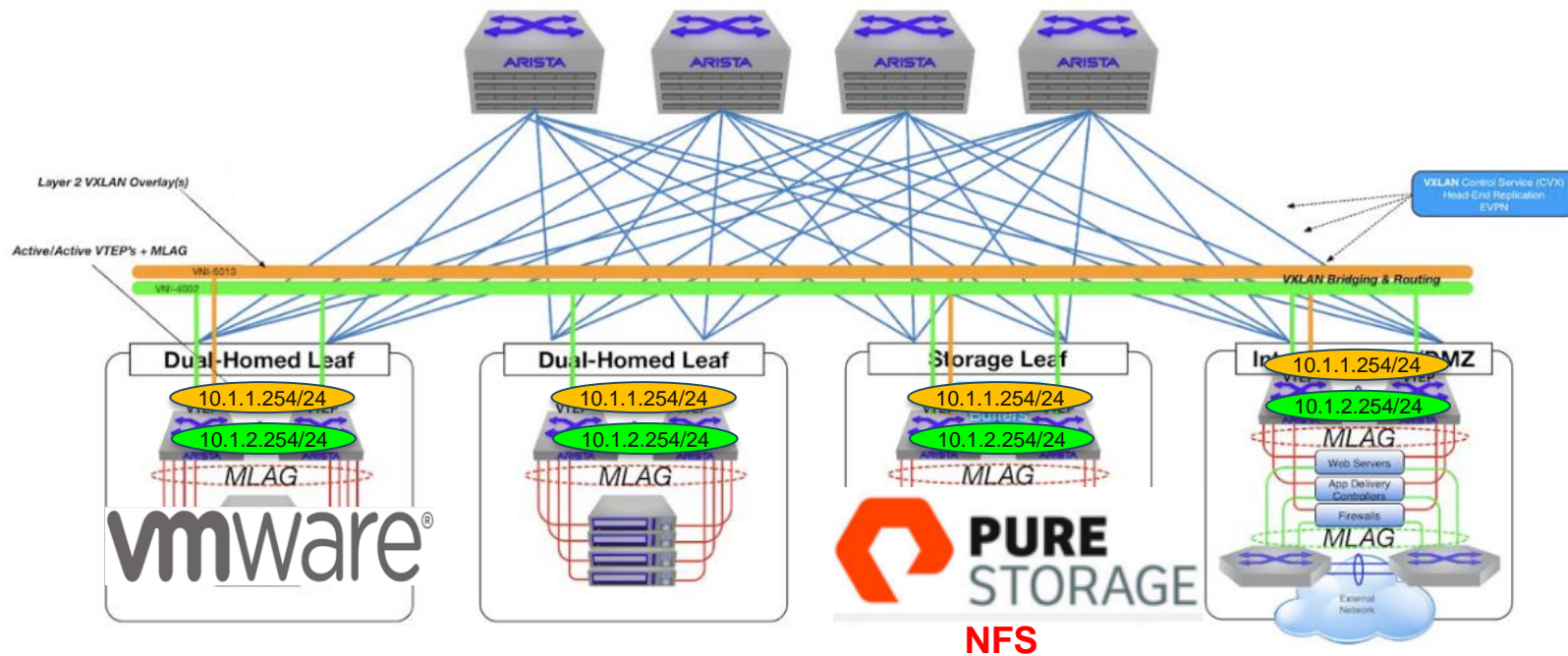
App Delivery

Controllers

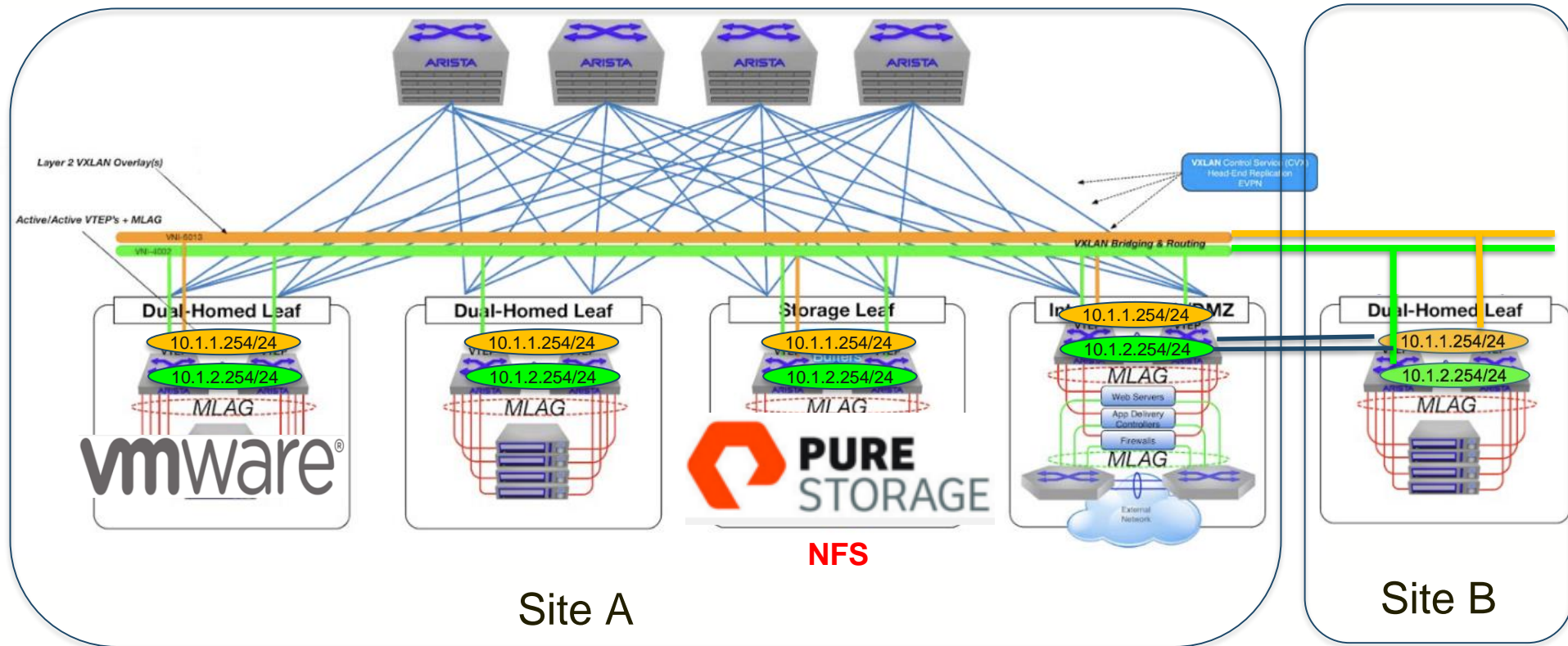
Firewalls

External Network

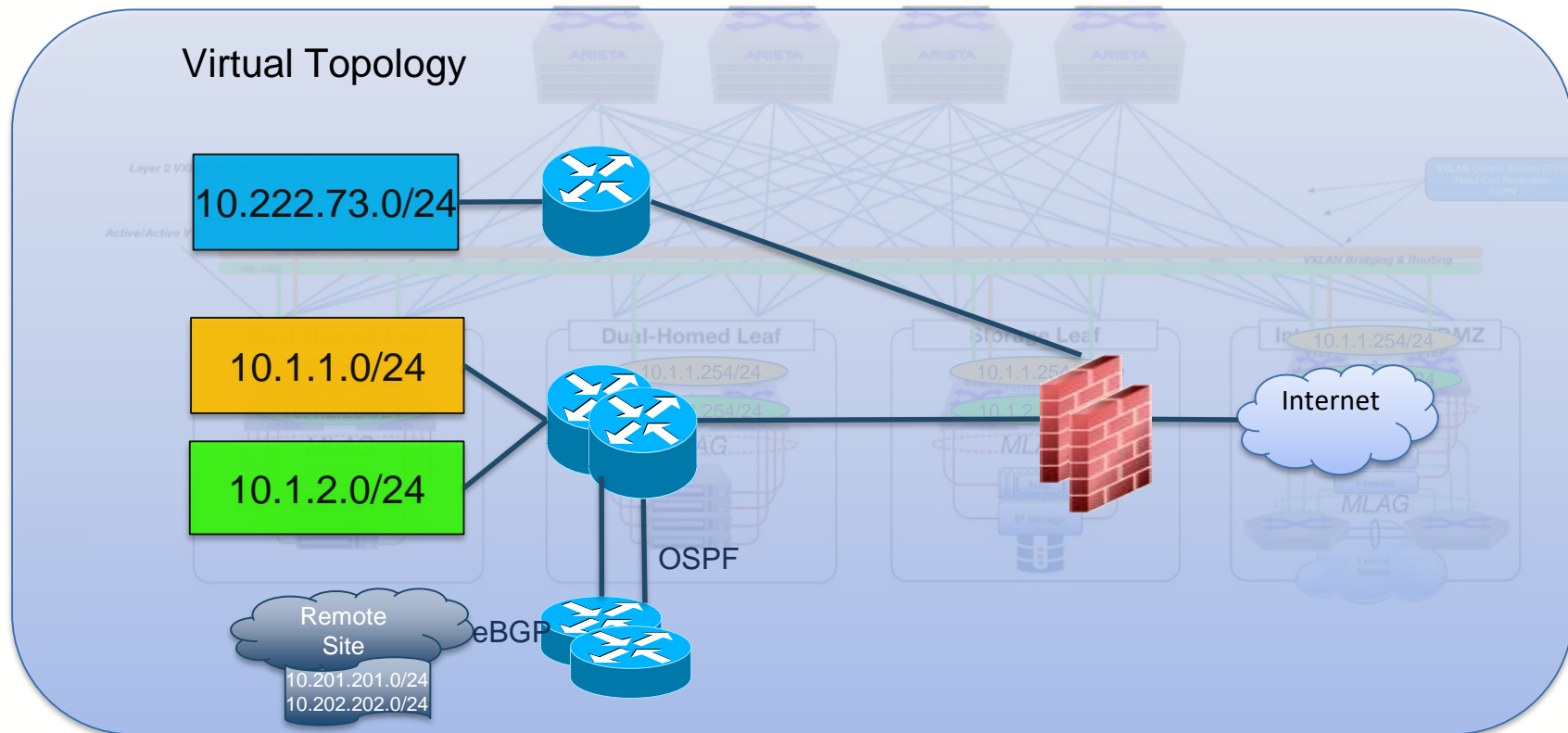
EVPN VXLAN Network (Anycast Gateway)



EVPN VXLAN Network (Anycast Gateway)



EVPN VXLAN Network (Anycast Gateway)





Thank You

www.arista.com