



Aviatrix Hybrid Cloud

ACE Team

Welcome to Aviatrix Hybrid Specialty Course

The course will cover important concepts about Aviatrix Secure Edge.
Course duration is 4 hours. 3 hours of lectures. 1 hour of lab

We Highly recommend to take the Aviatrix Professional Course to go deeper
with Aviatrix Secure Cloud Networking Solutions.

AGENDA

01

AVIATRIX Overview

02

AVIATRIX Secure Edge Overview (Hybrid Cloud)

03

AVIATRIX Secure Edge (Hybrid Cloud) Technical Details

04

DEMO & LAB

05

AVIATRIX Secure Edge (Hybrid Cloud) on Equinix NE and Megaport MVE

Expectations from Today's Session



A pilot/beta course on Hybrid Cloud. Use Q&A panel to ask questions.



This is an overview session. With some designs use cases



Today's training is wider. Need your feedback - Deeper or Wider?



Fast paced and some overlap with ACE-Pro content



<https://launch.aviatrix.com/> Use Aviatrix Self-Service to try it out yourself. Launched in 20 min. When done, destroy.

Rizwan Jamal

Rizwan Jamal is highly experienced Senior Solutions Architecture at Aviatrix. He is an expert on hybrid and public cloud networking

With over 25 years of experience in the technology sector, Rizwan has established himself as SME in Cloud Computing, Datacenters and Colocation networking services.

His past career highlights include:

- Principal Network Architect at Equinix, where he was responsible for global network architecture and engineering, introducing innovative solutions like Intent-based Programmable Network for Equinix Interconnection services.
- Senior Service Engineer at Microsoft, where he was a senior member of the NIS design team, developing scalable and cost-effective network designs for Microsoft's internal datacenters and worldwide network.
- Network Consulting Engineer at Cisco, where he was responsible for designing and building core networking for large enterprises and telcos such as Bell Canada.



<https://linkedin.com/in/rizwan-j-35429723>

Joe Amendolara

Joe Amendolara is a Senior Solutions Architect - ACE at Aviatrix, bringing a wealth of experience in network engineering and design. As a Cisco Certified Internetwork Expert (CCIE), Joe possesses deep technical knowledge and expertise in advanced networking concepts.

Prior to joining Aviatrix, Joe held significant positions at Orange Business Services as a Senior Infrastructure Integration Solution Consultant and at Huawei Technologies as an IP Solution Sales Manager. His experience also includes roles at Whirlpool Corporation and Dimension Data, where he honed his skills in network engineering and service delivery management.

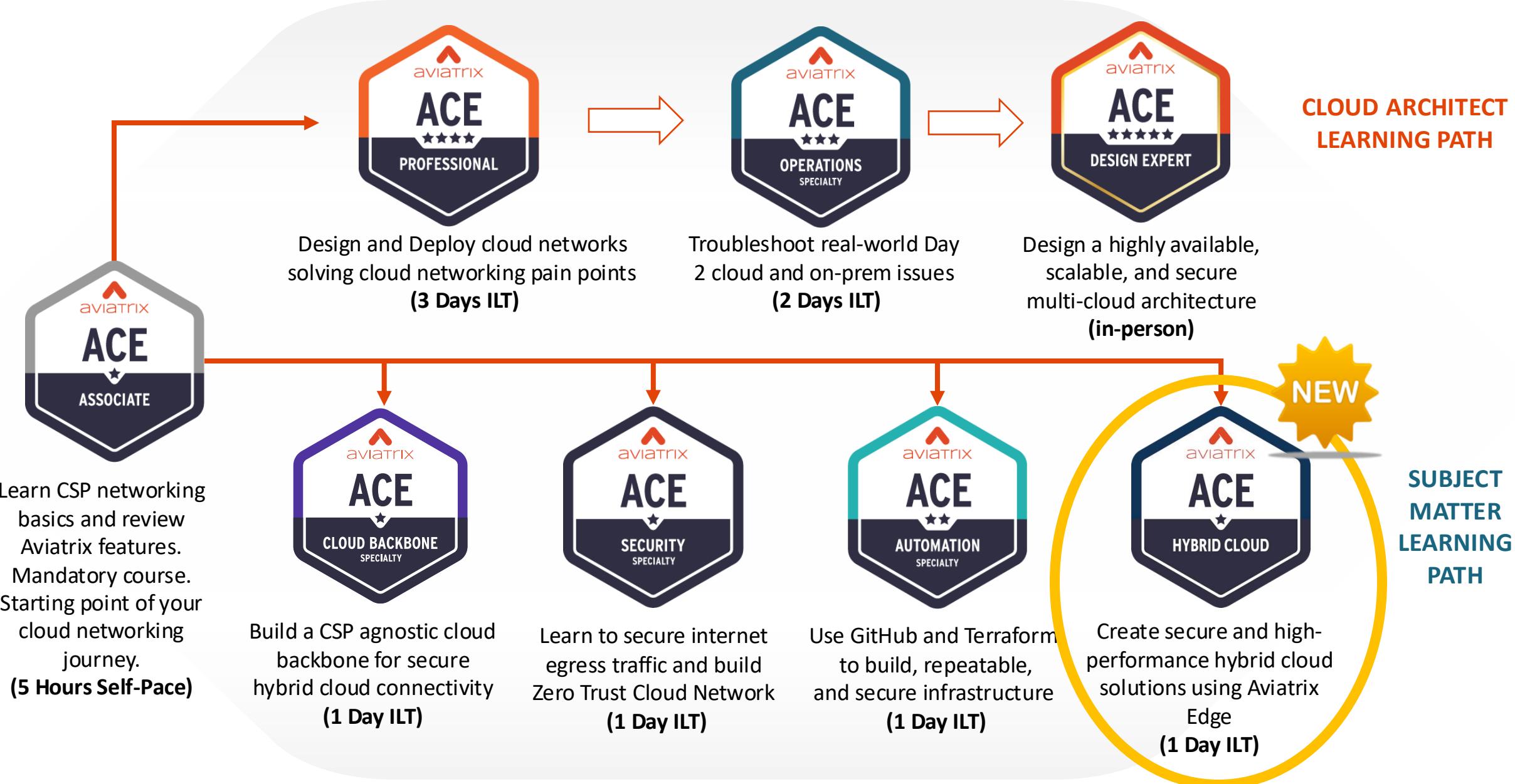
Joe's technical expertise spans various areas, including:

- Multicloud Networking and Security
- QoS and Multicast implementation
- IPv6 solutions deployment
- Cisco ACI (Application Centric Infrastructure)



<https://linkedin.com/in/joe-amendolara>

ACE Learning Paths





Aviatrix Overview

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Top Aviatrix Customer Use Cases

Backbone Focused Use-Cases

Secure High-Performance Datacenter Edge

Secure High-Performance Cloud Interconnect

Multicloud Supportability & Extension

Single or Multicloud Environments



Secure B2B Partner Connectivity

Aviatrix Cloud Firewall
(Secure Cloud Egress)

Secure M&A Connectivity and Onboarding

Zero Trust Network Access (Cloud Firewalling)

Secure High-Performance Data Connectivity for LLM



Aviatrix Network Security Platform (Aviatrix Enterprise) Components

Aviatrix Software – Not a SaaS Product

**Aviatrix
Controller**



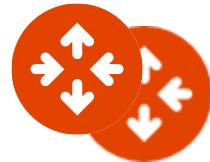
Centralized Control Plane software EC2/VM in your environment.
Deployed from CSP marketplace. Never in data plane.

**Aviatrix
CoPilot**



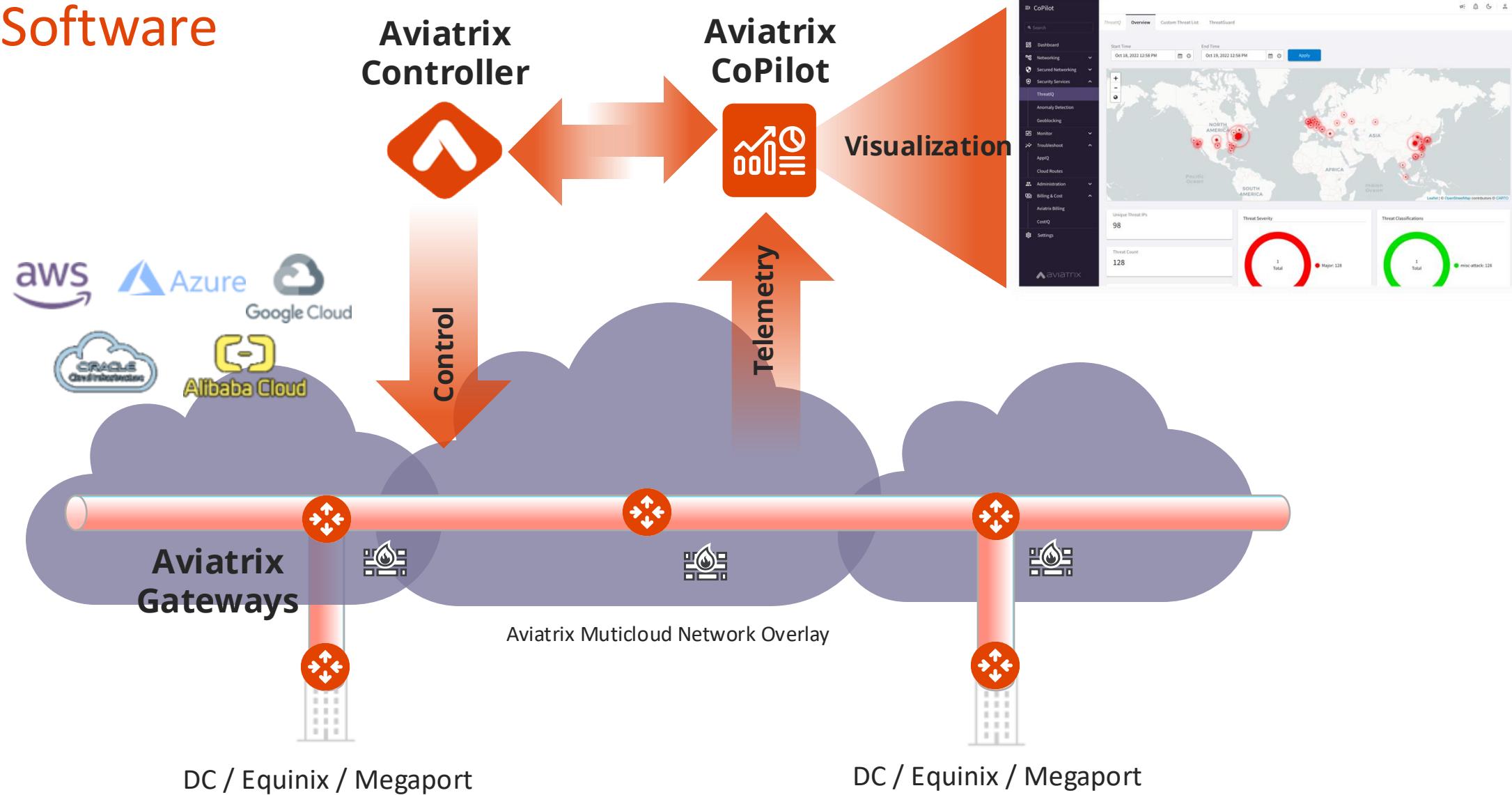
Centralized Management Plane software EC2/VM in your CSP account

**Aviatrix
Gateways**



Distributed Data Plane software EC2/VM in your environment
Advanced cloud network routing, network telemetry, traffic inspection and policy enforcement.

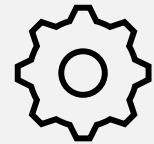
Aviatrix Software





aviATRIX

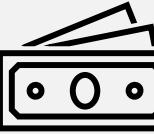
Secure Cloud Networking



Simplify
Operations



Improve
Security

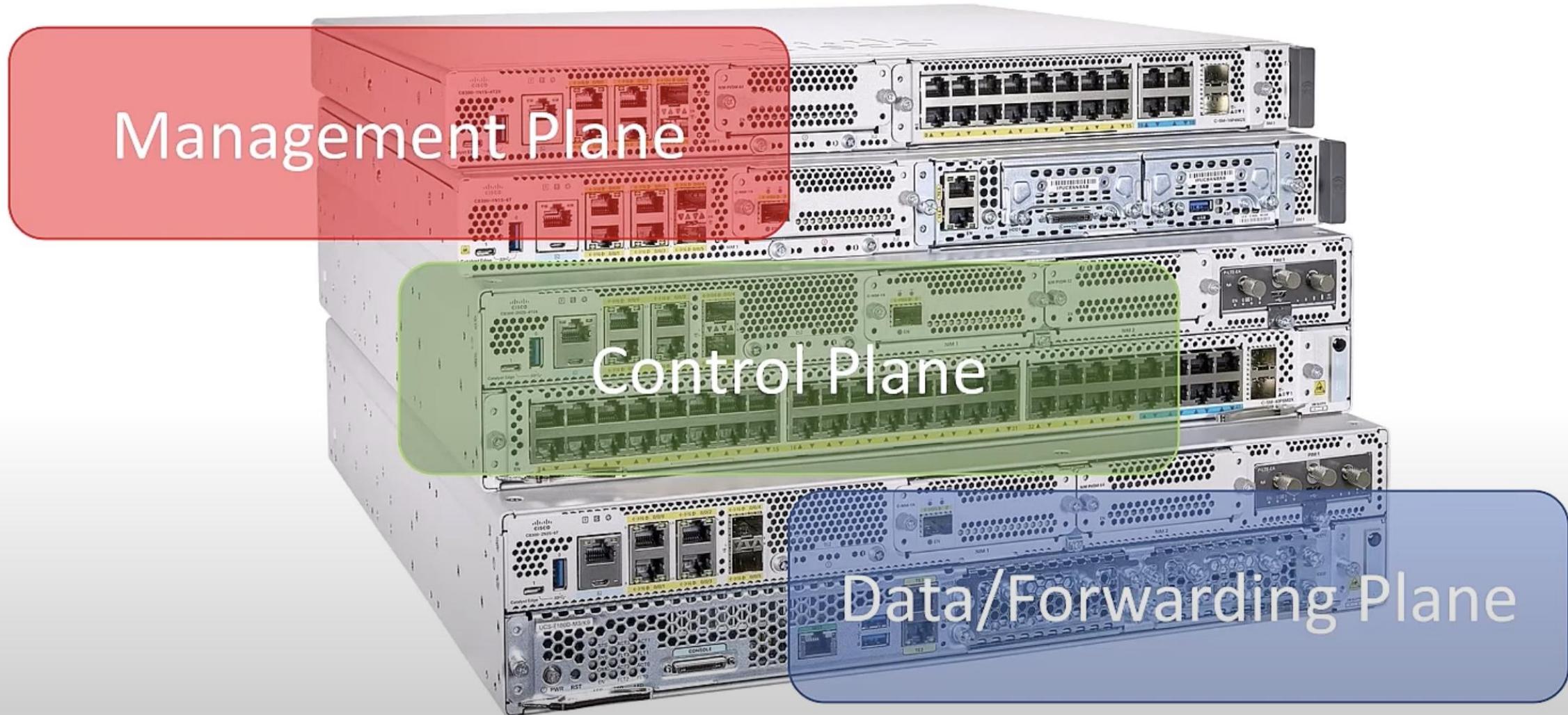


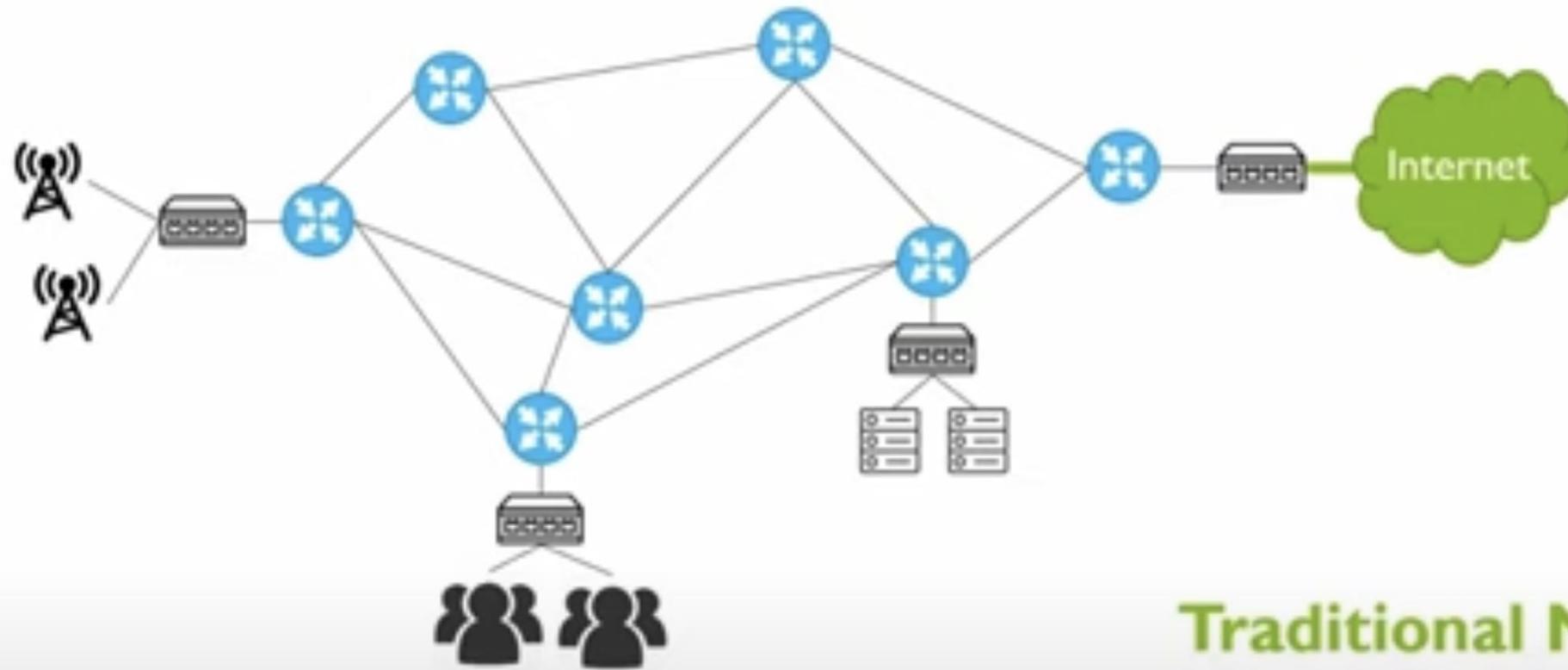
Reduce
Costs



Backup/ References

Network Devices Planes





Traditional Network

Use of Integrated Hardware & Software



- Data or Forwarding Plane
- Control Plane
- Management Plane

SDN : Separation of Control & Data layer

Features of SDN

