



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 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.

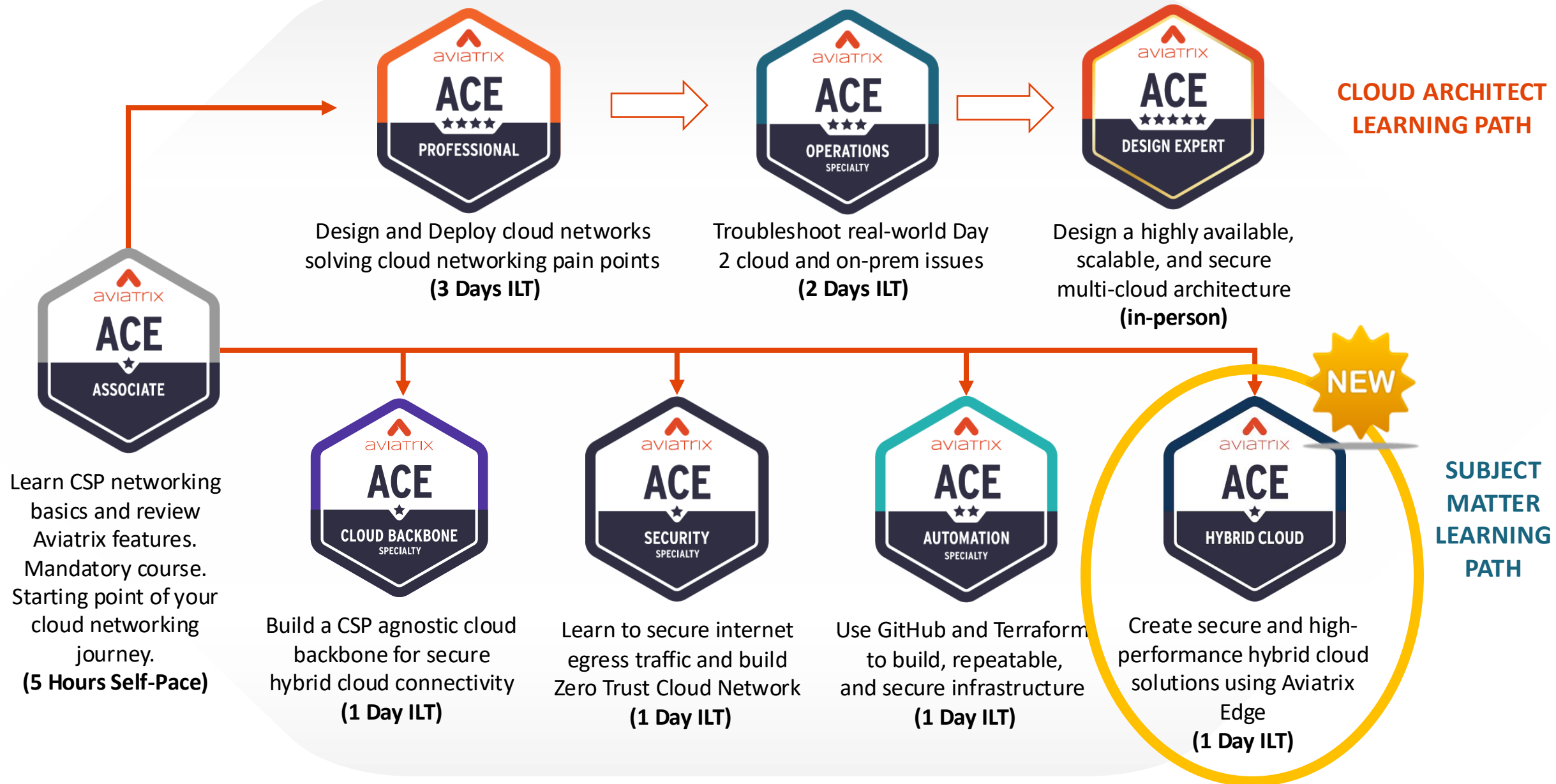
Joe's technical expertise spans various areas, including:

- 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

 Abbott	abbvie	 Adobe	 Aflac	 AB InBev	 APPTIO	 Audi	 AVIS Budget	 BAKER HUGHES a GE company	 BankUnited
 BHP	 Biogen	 BNY MELLON	 CENTENE Corporation	 CHANGE HEALTHCARE	 Charter COMMUNICATIONS	 chewy.com	 CHS	 Constellation Brands	 covetrus
 Cummins	 DXC TECHNOLOGY	 dentsu	 e.on	 FACTSET	 FEMA	 Ford	 Genworth	 GN	 GUIDEWIRE
 Heineken	 Home Office	 Informatica	 inmarsat	 Johnson Controls	 Jefferies	 Lufthansa Systems	 lululemon	 Mercedes-Benz	 NASA
 navitaire an amadeus company	 NetApp	 ni	 NIKE	 PACCAR	 pwc	 Raytheon Technologies	 RheinEnergie	 Roche	 SIEMENS
 splunk	 Takeda	 teradata.	 THALES	 UNITED AIRLINES	 ULTA BEAUTY	 VERINT.	 VW	 WIX	 YARA

Top Aviatrix Customer Use Cases

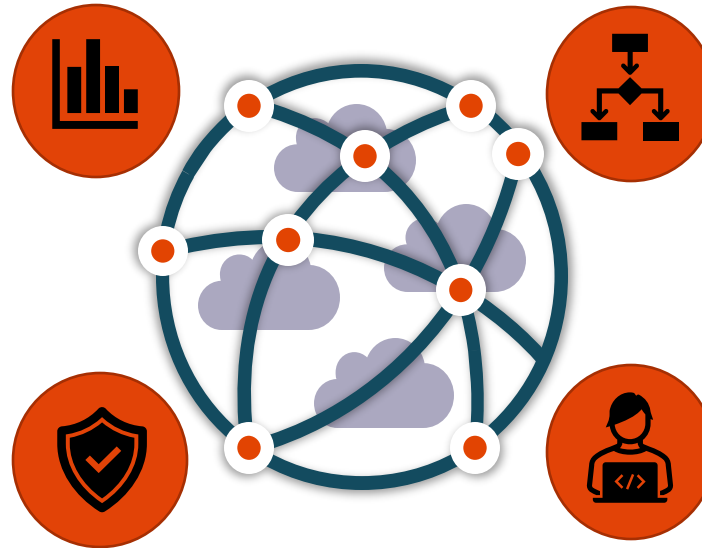
Backbone Focused Use-Cases

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



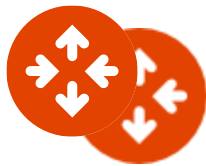
Centralized Control Plane software EC2/VM in your environment.
Deployed from CSP marketplace. Never in data plane.

Aviatrix CoPilot



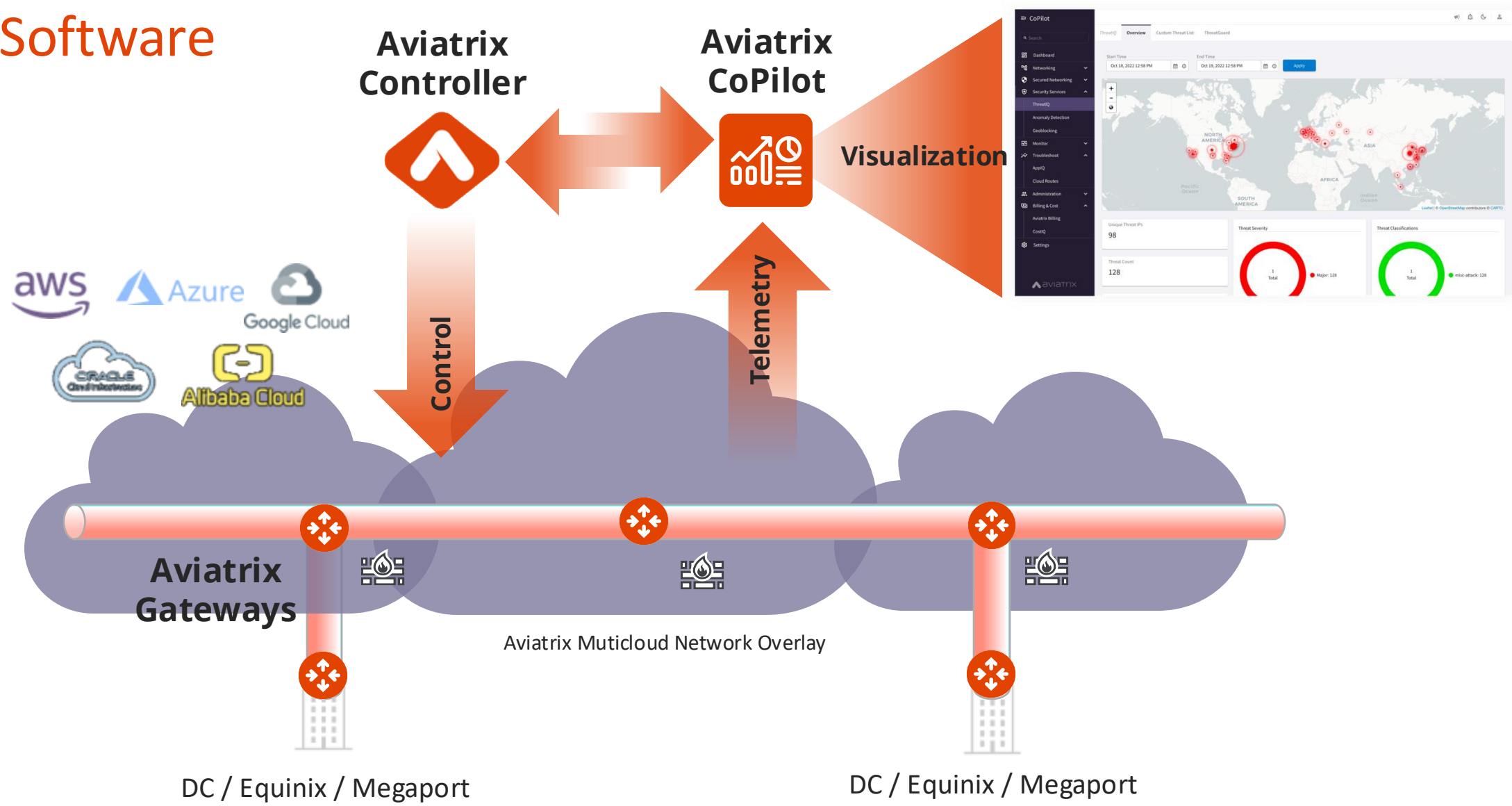
Centralized Management Plane software EC2/VM in your CSP account

Aviatrix Gateways



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

Aviatrix Software







Backup/ References

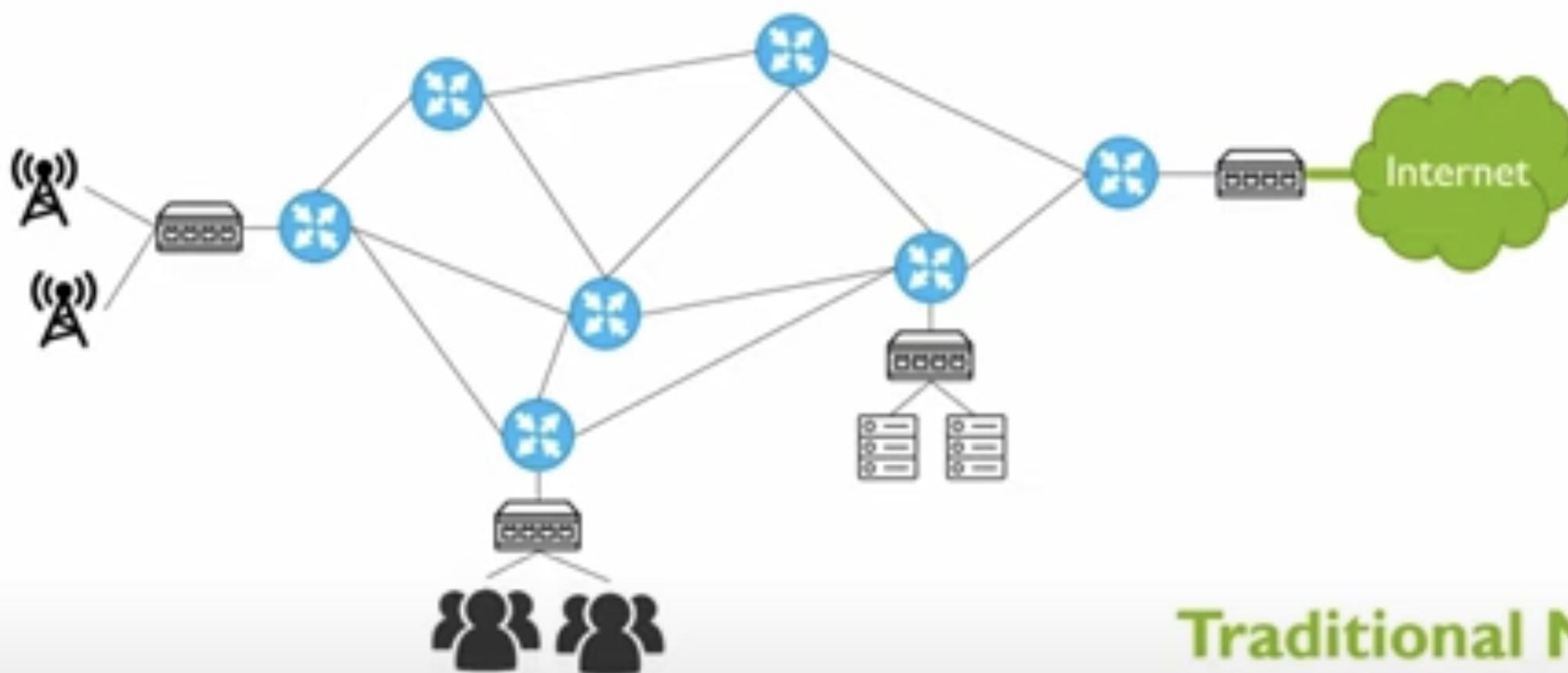
Network Devices Planes



Management Plane

Control Plane

Data/Forwarding Plane



Traditional Network

Use of Integrated Hardware & Software



- Data or Forwarding Plane
- Control Plane
- Management Plane

SDN : Separation of Control & Data layer

Features of SDN

