



Cloud Backbone

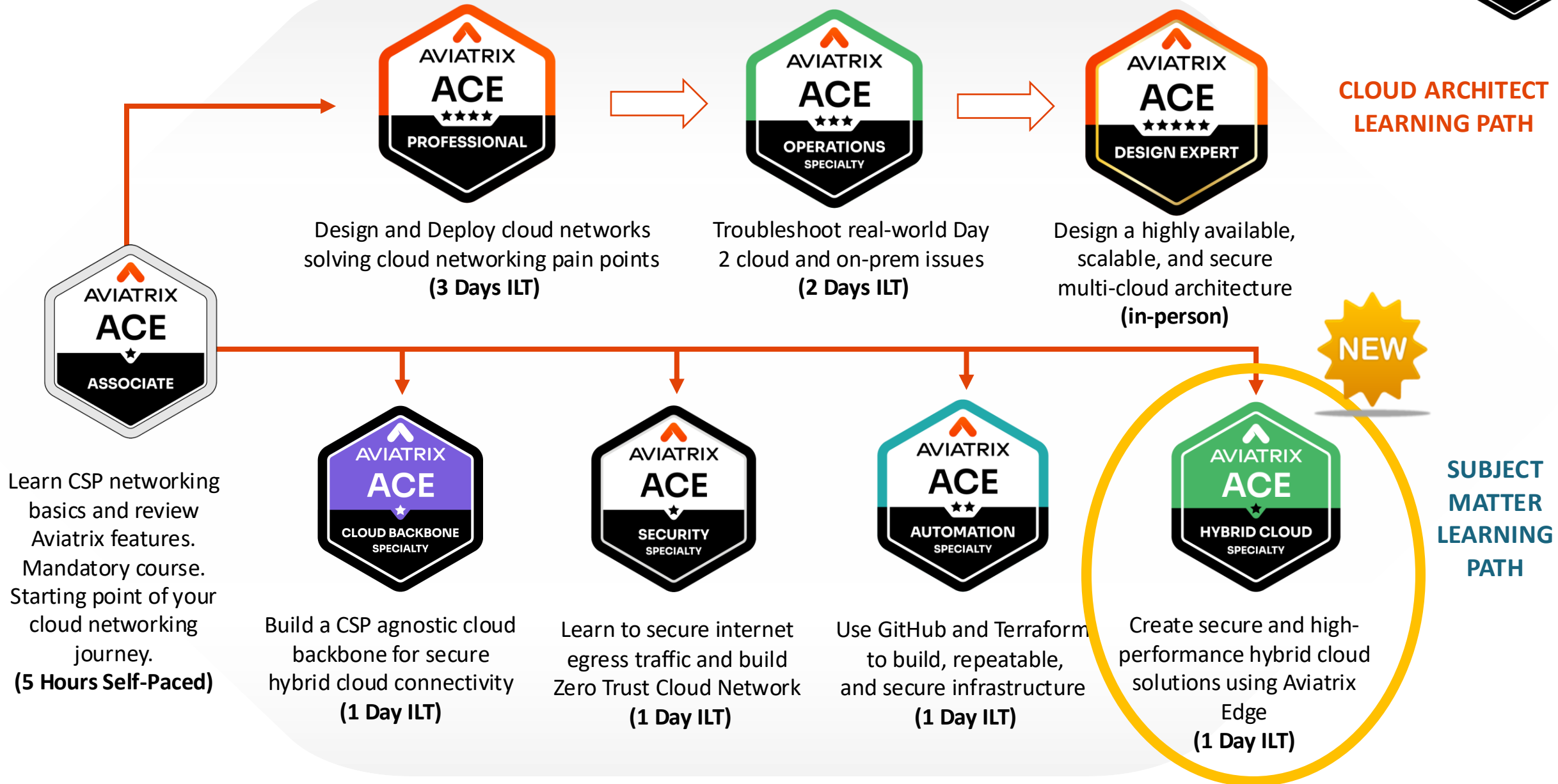
ACE Team

Welcome to Aviatrix Cloud Backbone Specialty Course

The course will cover important concepts about cloud backbone. Course duration is 5 hours. 4 hours of lectures. 1 hour for lab.

We Highly recommend to take the Aviatrix Professional Course to go deeper into this technology

ACE Learning Paths



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 (CCIEx4, HCIE), 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>

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>

Agenda



01

Introduction and Logistics

Aviatrix Software Component
Important Use-Cases

02

CLOUD BACKBONE

03

CLOUD BACKBONE USE CASES

04

ENTERPRISE ARCHITECTURES

05

LAB

How to Get the ACE Cloud Backbone Certificate

1

ACE Associate is pre-req
Attend the training.

2

Complete the Cloud
backbone Lab.

Pass the Quiz

3

Complete the
Survey

Please do not share the Quiz and Survey links outside of this
group

LAB Access

<https://docs.aviatrixlab.com/ace-backbone/>

- Read-only lab access is provided
- Make sure you can log in
- During the lectures feel free to browse the UI



Aviatrix Overview

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

Cloud Perimeter Security
(Secure Cloud Egress)

Secure M&A Connectivity
and Onboarding

Zero Trust Network Access
(Cloud Firewalling)

Secure High-Performance
Data Connectivity for LLM



Aviatrix Platform Components

Aviatrix Software – Not a SaaS Product

Aviatrix Controller



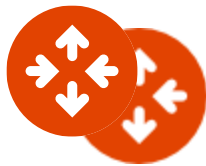
Centralized Control Plane software EC2/VM in your environment.
Deployed from CSP marketplace. Never in data plane.

Aviatrix CoPilot



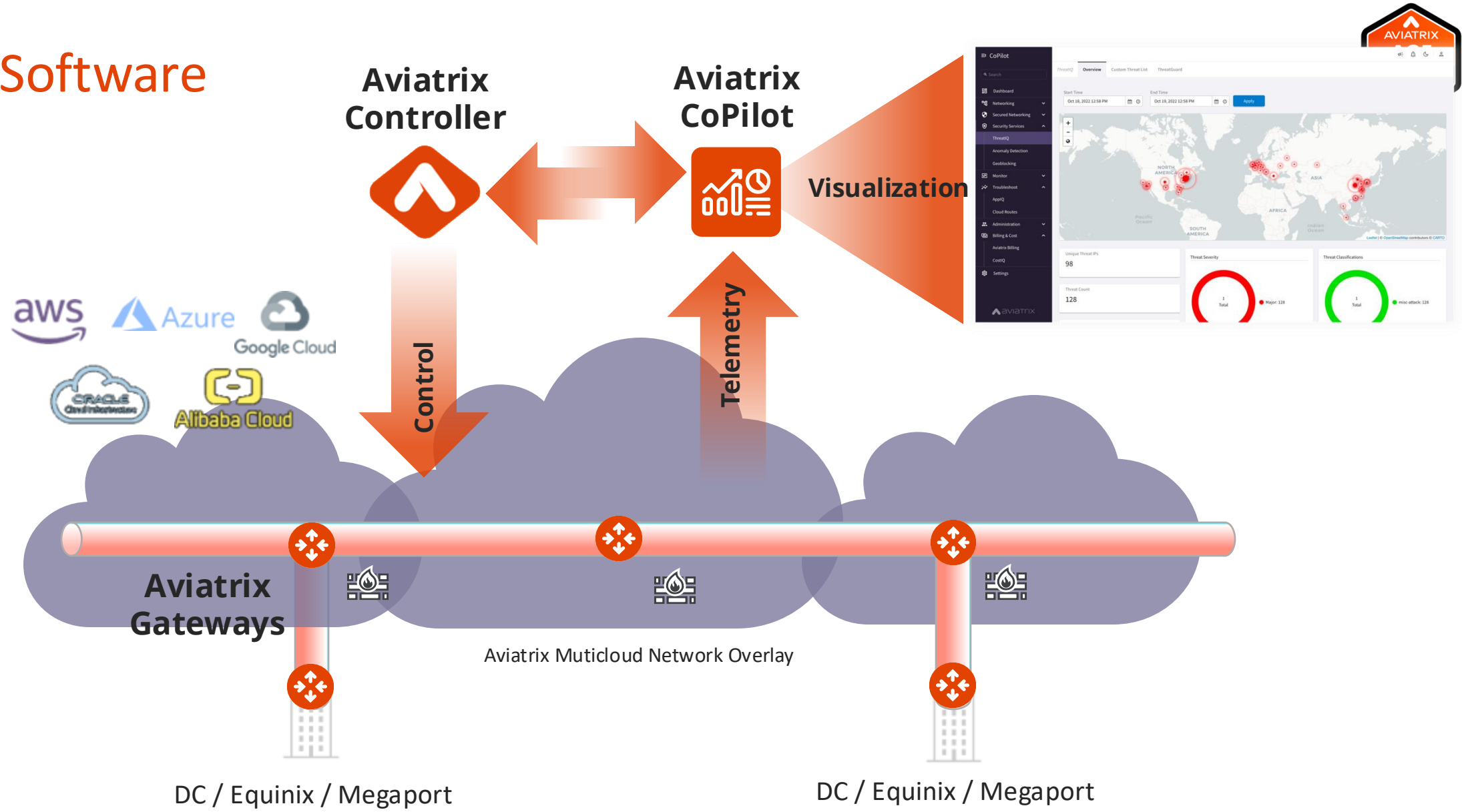
Centralized Management Plane software EC2/VM in your CSP account.
Never in data plane.

Aviatrix Gateways



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

Aviatrix Software





Next: Cloud Backbone