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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.

© Aviatrix Certified Engineer

AGENDA

01 AVIATRIX Overview

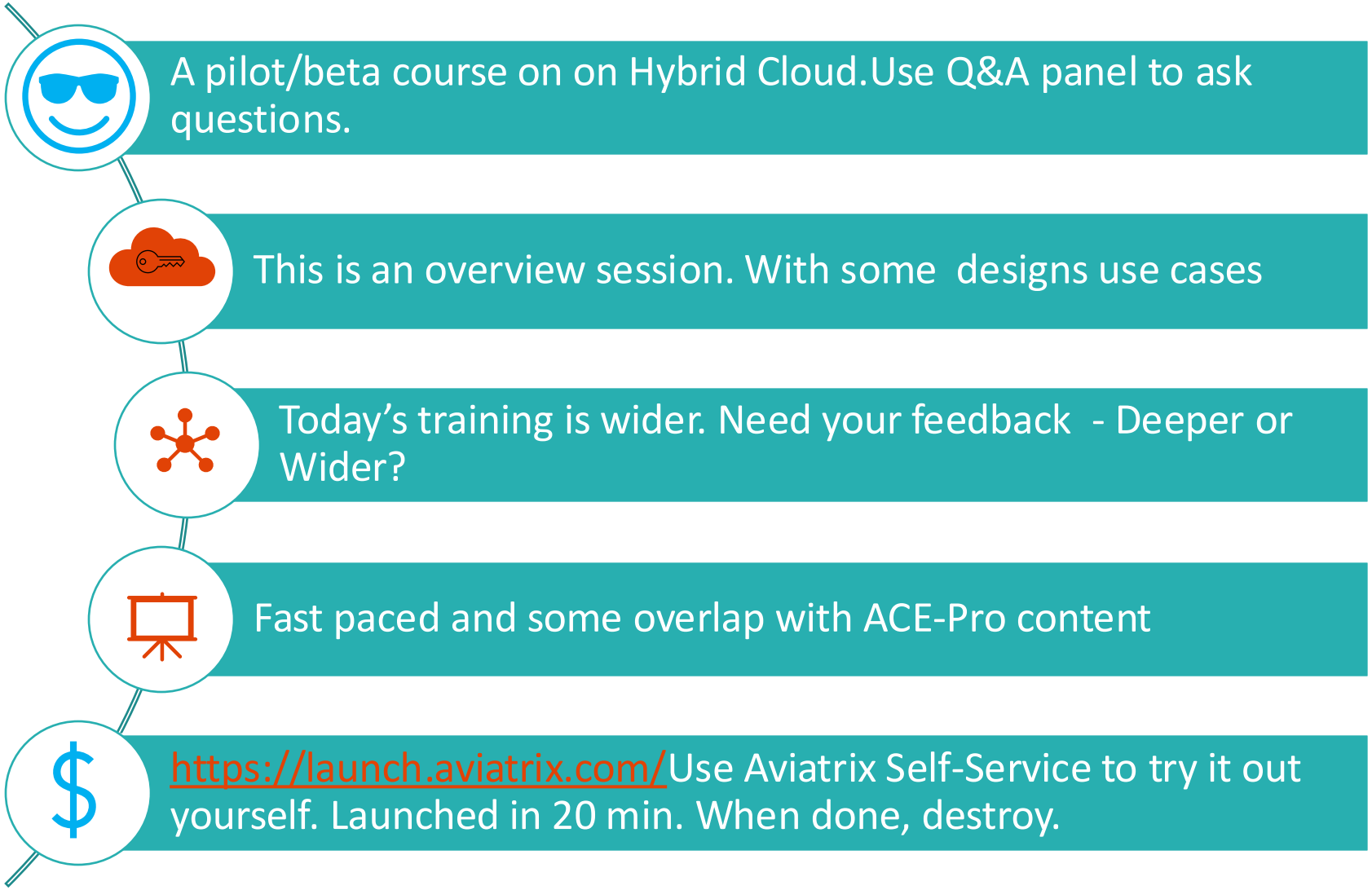
02 AVIATRIX Secure Edge Overview (Hybrid Cloud)

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



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.

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

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)

ACE Learning Paths

Learn CSP networking basics and review Aviatrix features. Mandatory course. Starting point of your cloud networking journey.
(5 Hours Self-Pace)

Design and Deploy cloud networks solving cloud networking pain points
(3 Days ILT)

Troubleshoot real-world Day 2 cloud and on-prem issues
(2 Days ILT)

Design a highly available, scalable, and secure multi-cloud architecture
(in-person)

CLOUD ARCHITECT LEARNING PATH

Build a CSP agnostic cloud backbone for secure hybrid cloud connectivity
(1 Day ILT)

Learn to secure internet egress traffic and build Zero Trust Cloud Network
(1 Day ILT)

Use GitHub and Terraform to build, repeatable, and secure infrastructure
(1 Day ILT)

NEW

Create secure and high-performance hybrid cloud solutions using Aviatrix Edge
(1 Day ILT)

SUBJECT MATTER LEARNING PATH

aviatrix

ILT = Instructor Led Training

Aviatrix Overview

Abbott
abbvie
Adobe
Aflac
ABInBev
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
NIKE
PACCAR
pwc
Raytheon Technologies
RheinEnergie
Roche
SIEMENS
splunk>
Takeda
teradata.
THALES
UNITED AIRLINES
ULTA BEAUTY
VERINT
WiX
YARA

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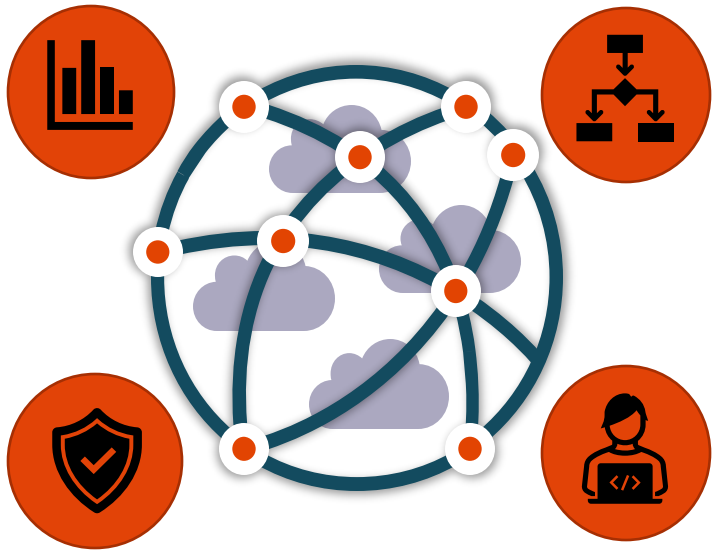
Top Aviatrix Customer Use Cases

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

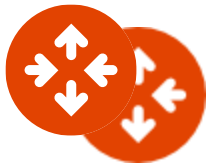
Aviatrix Controller

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

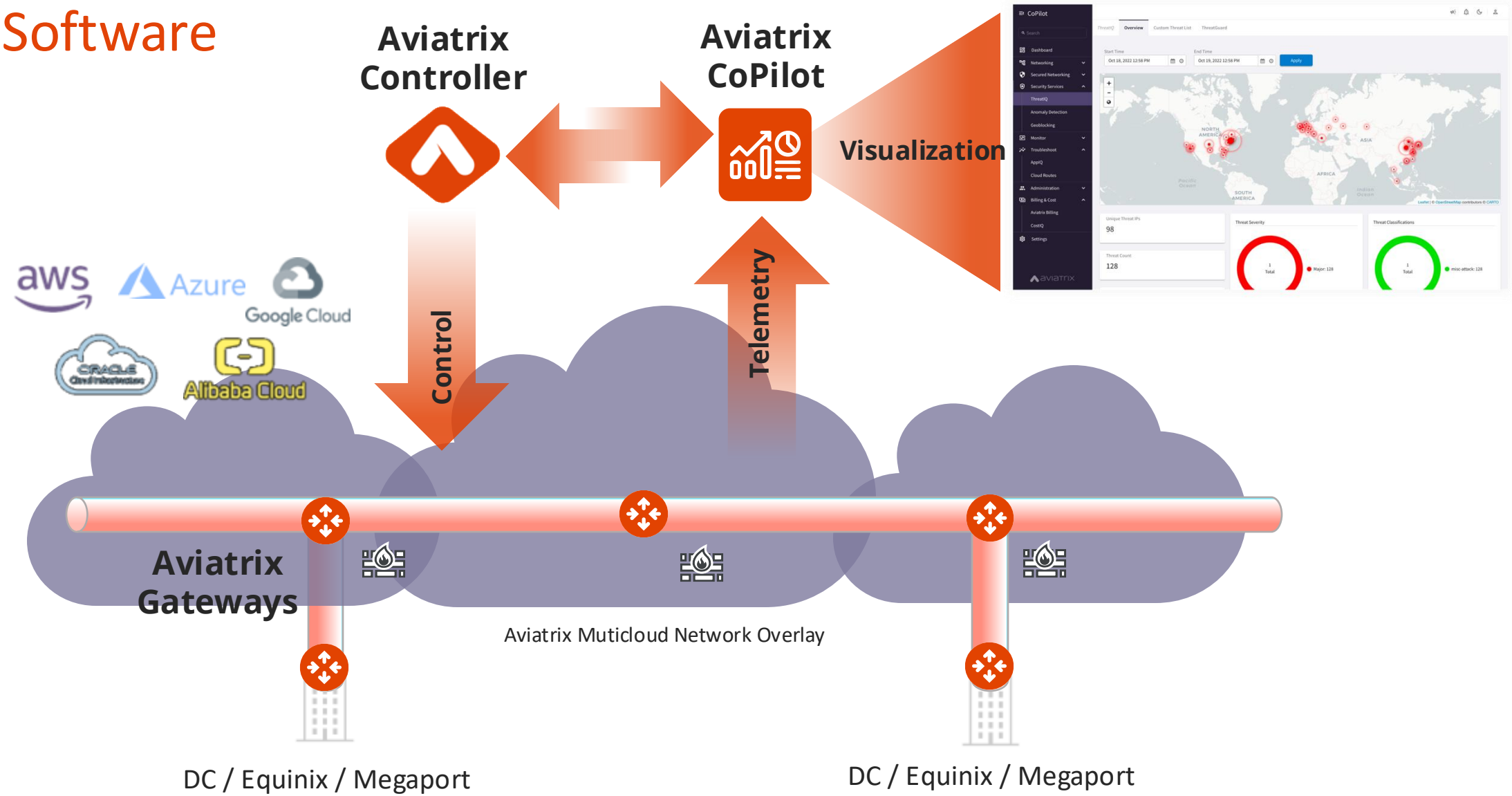
Aviatrix Gateways



Distributed Data Plane software EC2/VM in your environment

Advanced cloud network routing, network telemetry, traffic inspection and policy enforcement.

Aviatrix Software



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Secure Cloud Networking
Simplify Operations
Improve Security
Reduce Costs

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