ACE Cloud Security

ACE Solutions Architecture Team

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splunk>
Takeda
THALES
UNITED AIRLINES
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WiX
YARA

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.

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Shahzad Ali

Shahzad Ali is Vice President of Solutions Architecture at Aviatrix. He is an expert on private and public cloud networking and coinvented the Multicloud Network Architecture (MCNA).

He is also a co-founder and content lead for the Aviatrix Certified Engineer (ACE) Program, the industry's first multicloud networking certification.

Shahzad previously led the Solutions Architecture team at VMware, where his team played a crucial role in growing VMware's NSX business.

Before that, he spent over a decade in technical and leadership roles at Cisco Systems.

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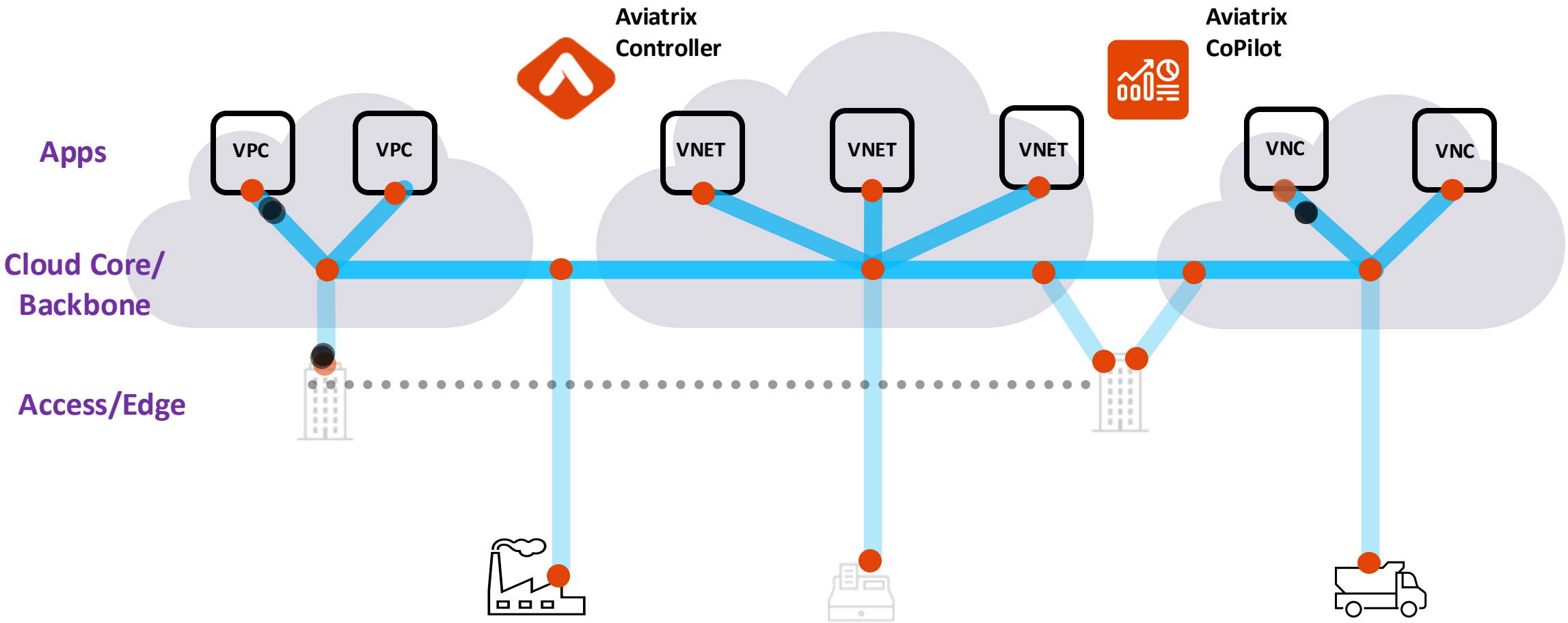
https://youtube.com/netJoints
https://netJoints.com

Aviatrix ACE Security Course Agenda

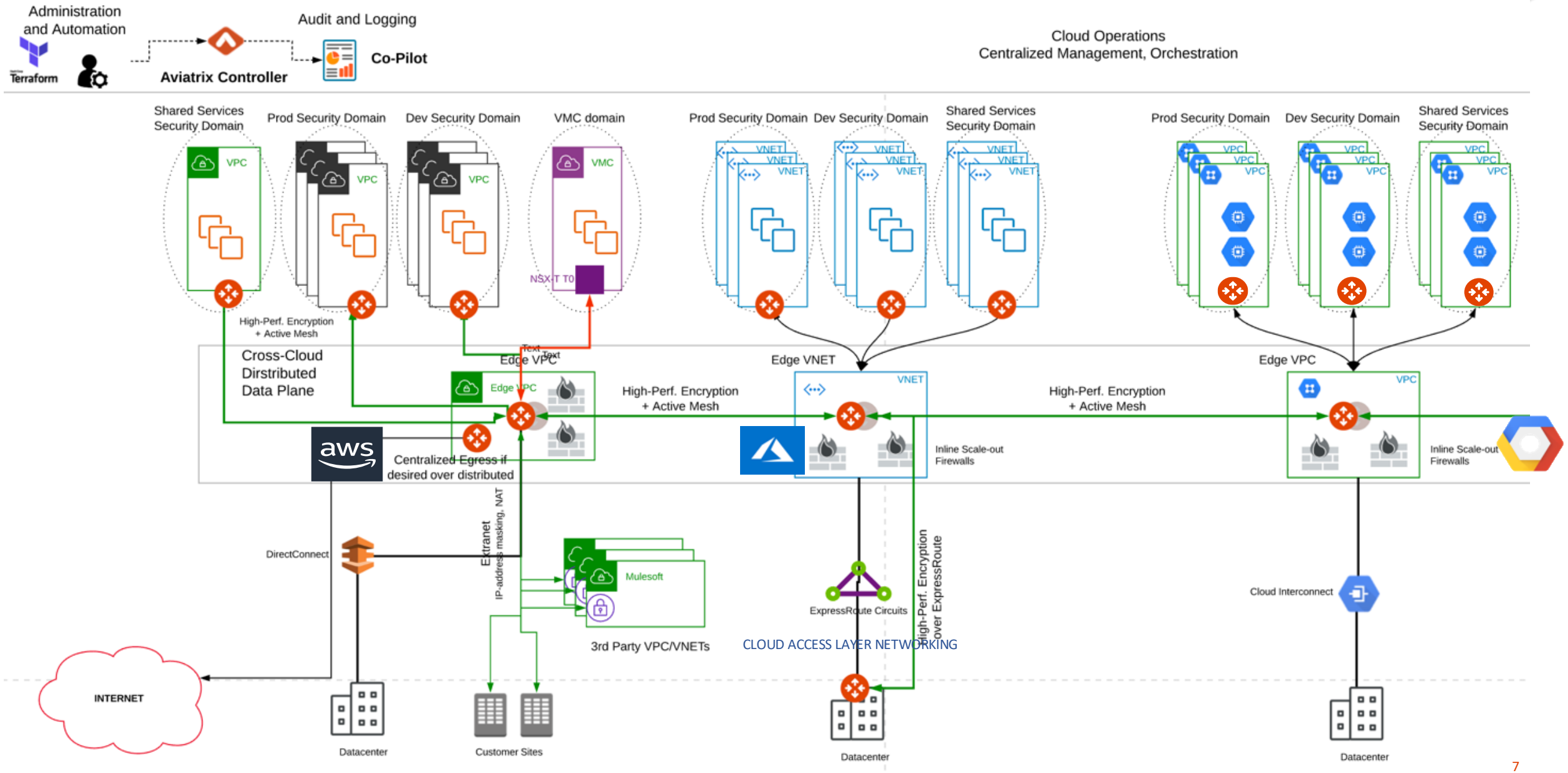
Topics	Approx. Duration (Minutes)
Introduction	25
Zero Trust Architecture (ZTA or ZTNA)	25
Asset Inventory and Grouping (Smart Groups)	15
Break	**10**
Distributed Cloud Firewall and FireNet	35
Cloud Perimeter Security	25
Micro Segmentation	15
ThreatIQ , Geoblocking and Anomoly Detection	15
Break	**10**
Security Visibilty	10
SecOps (Netflow, Alerts, RBAC) – Demo	20
Self-Service LAB and Quiz and Survey	35
Total Duration	**240 min (4 hours)**

Aviatrix Secure Cloud Networking | Distributed Security and Operations

Embedded Security and Operations – The data plane sees every packet



Blueprint of Cloud Networking – Example from a 4 years long Project



Course Overview and Learning Objectives

Overview:

- Business-critical apps need advanced security controls with resiliency
- Customers need “cloud-friendly” and "modernized” security solutions.
- Overview of cloud security with a simple and repeatable approach
- Augment CSP features with consistent security designs

Learning Objectives:

- Design a Resilient Zero Trust Network Architecture (ZTNA)
- https://www.nist.gov/publications/zero-trust-architecture
- Learn the advantages of using a distributed security model over a centralized model
- Learn the cost optimization tips and tricks while improving security.
- Best practice, repeatable security design for single, multiple, and hybrid clouds.

NIST NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY U.S. DEPARTMENT OF COMMERCE

ACE Courses - https://aviatrix.com/ace/

Standard Courses

ACE Associate

Learn CSP networking basics

Get Started Here | Self-Paced

ACE Professional

Deploy proven design patterns for a multicloud network architecture

Virtual | Instructor-Led

ACE Design Expert

Design your own scalable and secure multicloud network

In-Person | Design Defense

Specialty Courses

ACE Automation Specialty

Use IaC tools to build, enhance, and secure infrastructure

Self-Paced

ACE Operations Specialty

Troubleshoot real-world Day 2 cloud issues

Virtual | Instructor-Led

ACE Security Specialty

Learn to secure a cloud network

Virtual | Instructor-Led

© Aviatrix Certified Engineer

How to Get the ACE Security Certificate

1

ACE Associate is pre-req

Attend the training.

2

Pass the Quiz. 12questions. 76% passing score. Retake allowed. Based on the demo lab pod

3

Complete the Survey

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

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LAB Access

https://docs.aviatrixlab.com/ace-security/

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

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