



ACE Professional

DAY 1

ACE Solutions Architecture Team

ACE Multicloud Networking Learning Paths

The industry's first and only multicloud networking certification

<https://aviatrix.com/ace/>



Standard Learning Path



6 Hours
Learn CSP networking basics and review Aviatrix features



3 Days
Deploy proven design patterns for a multicloud network architecture



Weeks
Design a highly available, scalable, and secure multicloud architecture

Optional Specialty Trainings



4 Hours
Use IaC tools to build, enhance, and secure infrastructure



5 Hours
Use the Aviatrix backbone to build hybrid connections



16 Hours
Troubleshoot real-world Day 2 cloud issues



5 Hours
How to secure the network deployed inside the cloud

ACE Professional – Prerequisite and How to get certified

Prerequisite:

- ACE Associate

How to get certified:

1. It is necessary to complete at least **80%** of all Labs (~11 Labs!)
 - The automated script will evaluate the completion of each lab
2. Attend the entire course
 - You are expected to attend all class sessions. If you miss one day, it will be regarded as a “no-show” for the whole course.
3. Complete the final Survey.
 - It will take not more than 3 minutes

Certification will be then delivered after approximately seven business days!



ACE Associate is must to get certification

- You are welcome to attend the training, but the ACE Associate certificate is a must to get the ACE-Pro or ACE-Ops certificate
- If after successfully finishing this training, should you proceed to attain ACE-Associate certification, kindly reach out to ace@aviatrix.com to request your ACE-Pro or ACE-Ops certificate

It is a manual process and can take a minimum 5 business days a

LAB POD Policy

- LAB POD will be destroyed if a person doesn't show up on day1
- If a person shows up on day2, they can attend the training without the LAB POD
- They will not be issued ACE-Pro or ACE-Ops certification

ACE Multi-Cloud Networking – Professional Training

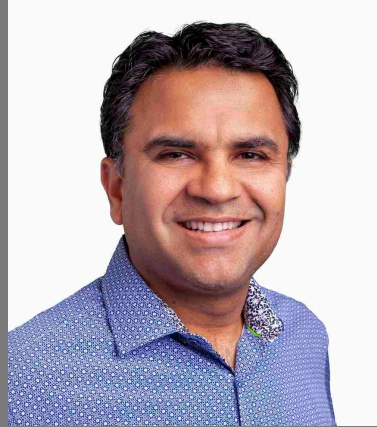


- Meet the Trainers



Joe Amendolara
Senior Solutions Architect

Past: Whirlpool, Huawei, Orange
<https://linkedin.com/in/joe-amendolara>



Shahzad Ali
VP Solutions Architect

Past: Cisco, VMware
2 x CCIE, VCDX, ACE-DE
<https://YouTube.com/netJoints>



Rizwan Jamal
Senior Solutions Architect

Past: Equinix, Microsoft, Cisco
linkedin.com/in/rizwan-j-35429723/

Agenda – Day 1



Topics	Approx. Duration	Start time CEST
Welcome / Logistics / Agenda / Intro	0:50	9:00 AM
CoPilot UI tour	1:00	9:50 AM
Break	0:15	10:50 AM
LAB 1: Create VPCs/VNet using CoPilot	0:30	11:05 AM
MultiCloud Network Architecture (MCNA)	0:20	11:35 AM
Transit Networking	0:50	11:55 AM
Lunch Break	1:00	12:45 PM
LAB 2: (MCNA) Transit Networking	0:55	1:45 PM
Network Segmentation	0:30	2:40 PM
LAB 3: Network Segmentation	0:30	3:10 PM
Break	0:15	3:40 PM
High Performance Encryption - HPE	0:25	3:55 PM
Multi-Region /Multicloud ActiveMesh	0:40	4:20 AM
End		5:00 PM

Agenda – Day 2



Topics	Approx. Duration	Start time CEST
Day 1 Recap (Quiz)	0:20	9:00 AM
LAB 4: HPE with ActiveMesh	0:50	9:20 AM
Security	0:40	10:10 AM
Break	0:15	10:50 AM
LAB 5: Egress	0:50	11:05 AM
Firewall Network - FireNet	0:45	11:55
Lunch Break	1:00	12:40 PM
LAB 6: Firewall Network with PAN	0:55	1:40 PM
Site2Cloud	1:00	2:35 PM
User VPN	0:20	3:35AM
Break	0:15	3:55 PM
LAB 7: Site2Cloud	0:30	4:10 PM
LAB 8: Aviatrix Edge	0:20	4:40 AM
END		5:00 PM

Agenda – Day 3



Topics	Approx. Duration	Start time CEST
Day 2 Recap (Quiz)	0:20	9:00 AM
ThreatIQ and ThreatGuard	0:20	9:20 AM
LAB 9: ThreatIQ and CostIQ	0:30	9:40 AM
Distributed Cloud Firewall	0:50	10:10 A.M
Break	0:15	11:00 AM
LAB 10: Distributed Cloud Firewall	1:15	11:15 AM
IaC and NetworkInsight API	0:20	12:30 AM
Lunch Break	1:00	12:50 PM
LAB 11: Terraform and NetworkInsight API	0:35	1:50 AM
Role-Based Access Control - RBAC	0:20	2:25 AM
Design Exercise Recap	0:25	2:45 PM
Break	0:10	3:10 PM
Let's Design Together! (breakout rooms)	1:00	3:20 PM
Design Presentations	0:30	4:20 PM
Survey + Closing	0:10	4:50 PM
End		5:00 PM



Microphone check:
What is your desired outcome of this training?

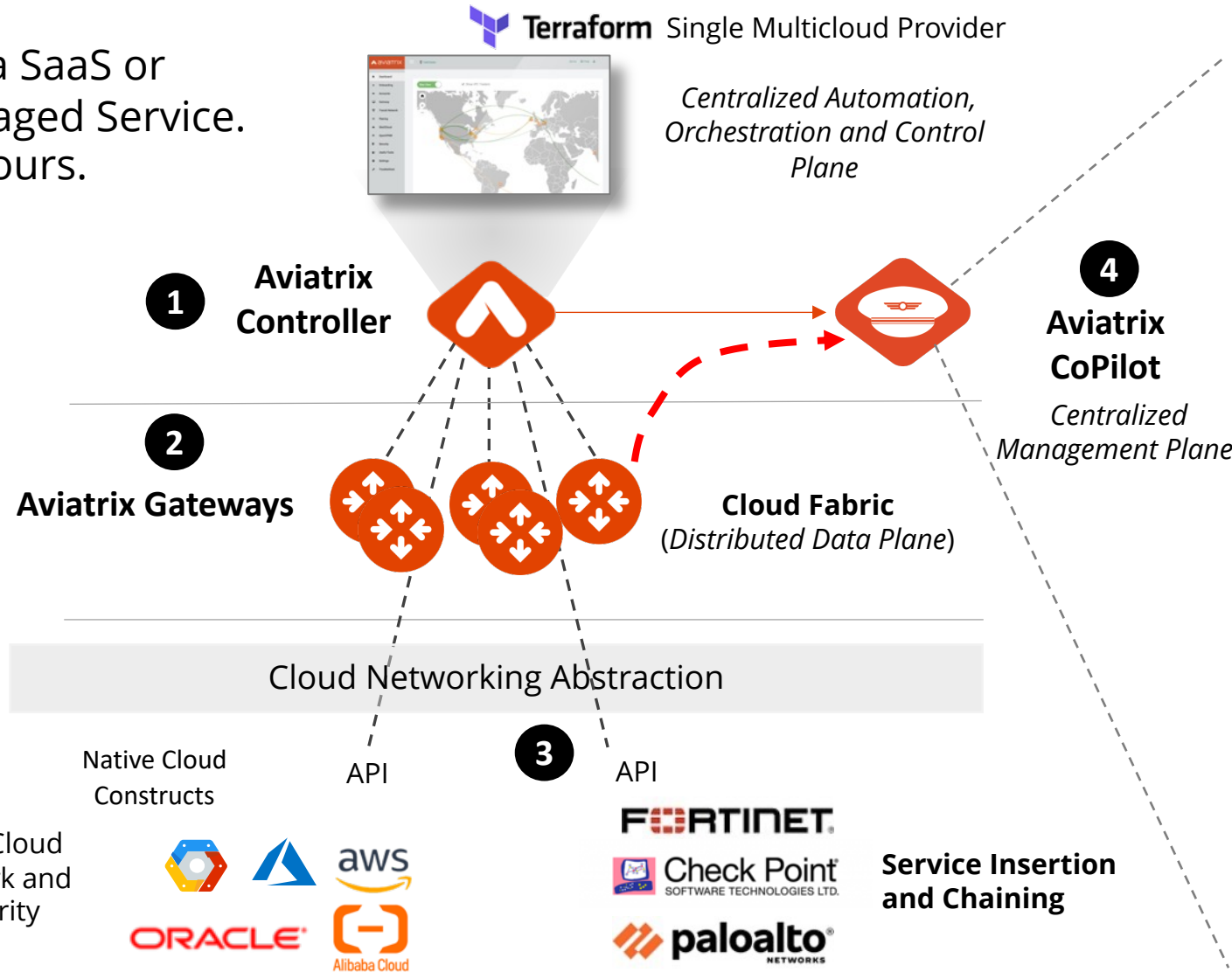


What is Aviatrix?

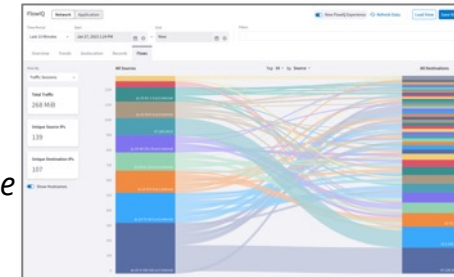
Aviatrix Cloud Network Platform Software



Not a SaaS or
Managed Service.
It's Yours.



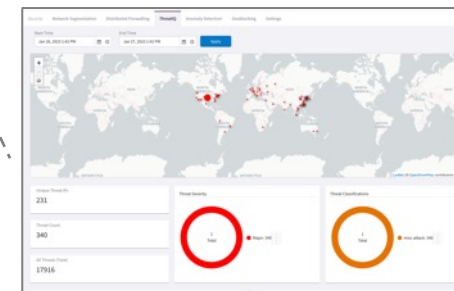
Multicloud
Operational
Visibility



FlowIQ
Multicloud
Traffic Flow
Analysis



Multicloud
Dynamic
Topology
Mapping



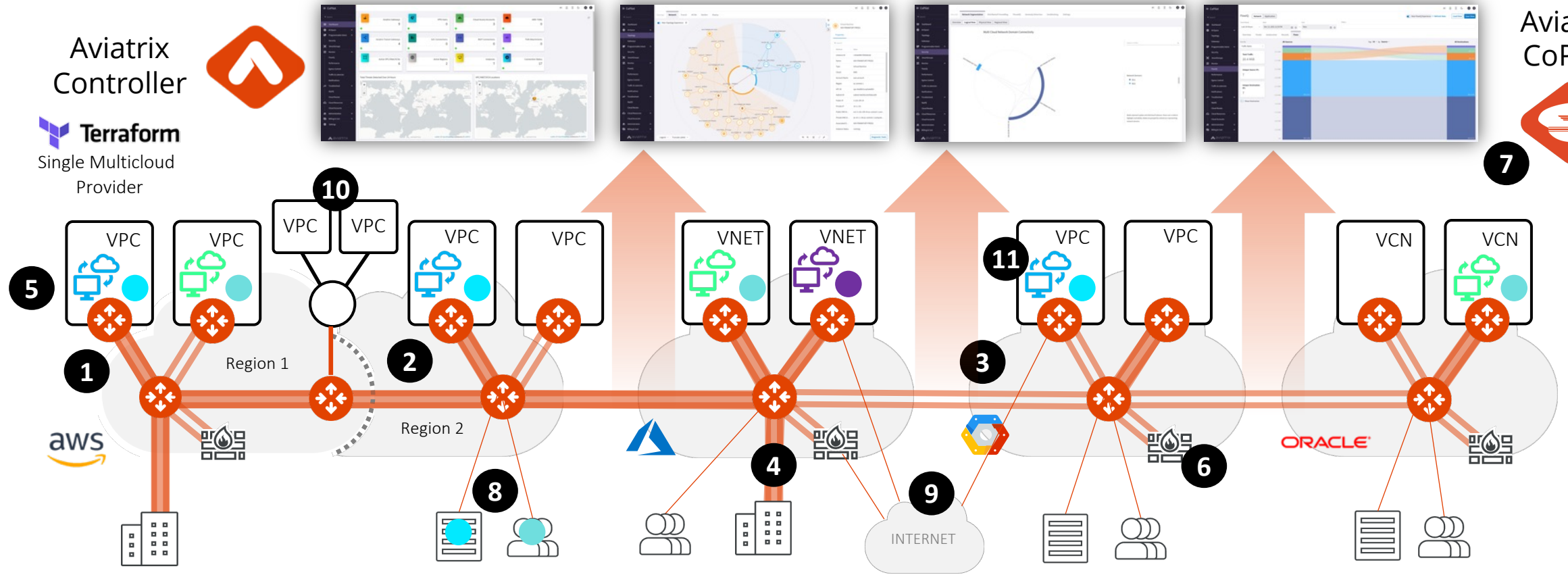
ThreatIQ with
ThreatGuard
Distributed Threat
Visibility and
Control

 Abbott	 abbvie	 Adobe	 Aflac	 ABInBev	 APPTIO		 AVIS Budget	 BAKER HUGHES a GE company	 BankUnited
 BHP	 Biogen	 BNY MELLON	 CHOICE HOTELS	 CENTENE Corporation	 CHANGE HEALTHCARE	 chewy.com	 CHS	 Constellation Brands	 covetrus
 Cummins	 DELL	 dōTERRA	 DXC TECHNOLOGY	 e.on	 FACTSET	 FEMA	 Ford	 Genworth	 GN
 GUIDEWIRE	 Heineken	 Home Office	 IHG	 Informatica	 inmarsat	 Johnson Controls	 Jefferies	 Lufthansa Systems	 lululemon
 LG	 Mercedes-Benz	 NASA	 navitaire an amadeus company	 nl	 NIKE	 PACCAR	 pwc	 Raytheon Technologies	 RheinEnergie
 Roche	 salesforce	 SIEMENS	 splunk	 Takeda	 THALES	 UNITED AIRLINES	 VERINT	 WIX	 YARA

Aviatrix – Foundation of Your Multicloud Networking and Security



Aviatrix
CoPilot



1. Single Cloud
Multi-Account
High-Availability (Active-Active)
End-to-End Encryption
Network Correctness

2. Multi-Region
3. Multicloud Repeatable Design
4. High-Performance Encryption
5. Network Segmentation

6. Service Insertion & Chaining
7. Enterprise Operational Visibility
8. Secure Cloud Access

9. Secure Ingress and Egress
10. Cloud-Native
11. Distributed Cloud Firewall





Next: Walkthrough of CoPilot UI