



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



CLOUD ARCHITECT

LEARNING PATH



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)



Learn CSP networking basics and review Aviatrix features.
Mandatory course.
Starting point of your cloud networking journey.

AVIATRIX

ACE

ASSOCIATE

(5 Hours Self-Paced)



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)



Create secure and highperformance hybrid cloud solutions using Aviatrix Edge (1 Day ILT) SUBJECT MATTER LEARNING PATH





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 <u>Aviatrix</u>. 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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Agenda















How to Get the ACE Cloud Backbone Certificate





ACE Associate is pre-req Attend the training.

Complete the Cloud backbone Lab.

Pass the Quiz

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





Abbott	abbvie	Adobe ®	Afrac.	ABInBev	(APPTIO	Audi	AVIS* Budget*	BAKER HUGHES Hage company	BankUnited
ВНР	Biogen.	BNY MELLON	CENTENE® Corporation	CHANGE HEALTHCARE	Charter	chewy.com	CHS	Constellation Brands	covetrus 🜊
Cummins	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 ⁻	at	NIKE	PACCAR	pwc	Raytheon Technologies	RheinEnergie	Roche	SIEMENS
splunk>	Takeda	teradata.	THALES	UNITED AIRLINES	ULTA*	VERINT.		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

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







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.

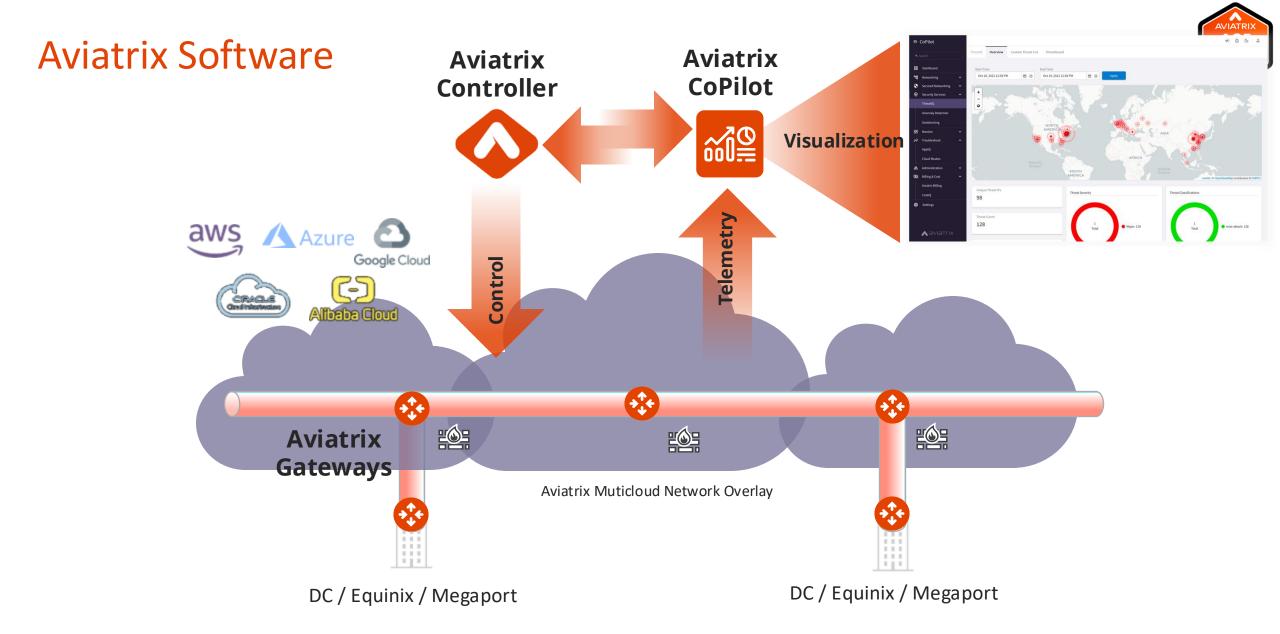




Distributed Data Plane software EC2/VM in your environment

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









Next: Cloud Backbone

