



ACE Operations

DAY - 1

ACE Multicloud Networking Learning Paths

The industry's first and only multicloud networking certification

Join the ACE Community

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

Join hands with fellow Network Engineers, help lead transformation in your orgs, and grow your careers



<https://community.aviatrix.com/groups/ace-operations-portal-38>

Optional Specialty Trainings



6 Hours

Learn CSP networking basics and SAP fundamentals with a focus on S/4HANA



4 Hours

Use IaC tools to build, enhance, and secure infrastructure



4 Hours

Use the AviaTrix backbone to build hybrid connections



16 Hours

Troubleshoot real-world Day 2 cloud issues

Expectations

- Focus is on **gaining familiarity with tools at disposal for troubleshooting real-world Day 2 cloud issues**
 - Focus on learning the tools and not just solving given issue
 - This is **NOT** a Build/Design training
- Subset of Aviatrix use cases will be discussed (these are meaningful uses cases collected from real scenarios)
 - There are 5 Labs that you will have to challenge.
- ACE Operations falls between ACE Associate (pre-req) and ACE Professional (highly recommended). This is a specialty certification!
- The trainer will walk you through scenario-based labs and introduce the techniques for carrying out both the troubleshoot and the root cause analysis, leveraging the tools available mainly on the CoPilot, but also on the Controller.
- On day-2 you will work with other participants on a dedicated pod ("*Let's troubleshoot together*"), where you will be presented with several failures. The objective is to identify the failures and fix them, using the Aviatrix platform tools.
 - Demonstrate a collaborative approach (it is NOT mandatory to resolve all failures 😊).

Aviatrix Certified Engineer – Operations Day 1



Day-1 Morning	Approx. Duration	Start time EDT
Welcome / Logistics / Agenda / Intro	0:10	10:00 AM
Walkthrough of Operational features of platform	0:50	10:10 AM
Network Segmentation	0:15	11:00 AM
Lab 1 Network Domains	0:30	11:15 AM
Lab 1 Resolution	0:05	11:45 AM
Break	0:20	11:50 AM
Lab 2 Connection Policy	0:20	12:10 AM
Lab 2 Resolution	0:05	12:30 AM
FireNet	0:40	13:35 AM
Lunch Break	1:00	1:15 PM
Lab 3 FireNet - Interface	0:30	2:15 PM
Lab 3 Resolution	1:00	2:45 PM

Meet the Presenters



Joe Amendolara

Senior Solutions Architect,
Aviatrix

Past: Whirlpool, Huawei, Orange
[linkedin.com/in/joe-amendolara](https://www.linkedin.com/in/joe-amendolara)



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Aviatrix Certified Engineer – Operations Day 1



Day-1 Afternoon	Approx. Duration	Start time EDT
Lab 4 FireNet - Routes	0:30	3:00 PM
Lab 4 Resolution	0:15	3:30 PM
Routes Manipulation & NAT	0:30	3:45 PM
Break	0:20	4:15 PM
Lab 5 Routes Manipulation & NAT	0:35	4:35 PM
Lab 5 Resolution	0:15	5:10 PM
Site2Cloud	0:35	5:25 PM
END		6:00 PM

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Aviatrix Certified Engineer – Cloud Operations Day 2



Day-2 Morning	Approx. Duration	Start time EDT
Welcome / Agenda	0:10	10:00 AM
Lab 6 Site2Cloud	0:40	10:10 AM
Lab 6 Resolution	0:20	10:50 AM
Egress FQDN	0:20	11:10 AM
Break	0:20	11:30 AM
Lab 7 Egress FQDN	0:20	11:50 AM
Lab 7 Resolution	0:10	12:10 AM
Operational Best Practices	0:40	12:20 AM
Launch Break	1:00	1:00 PM

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Aviatrix Certified Engineer – Cloud Operations Day 2



Day-2 Afternoon	Approx. Duration	Start time EDT
Distributed Cloud Firewall	0:40	2:00 PM
Lab 8 Distributed Cloud Firewall	0:30	2:40 PM
Lab 8 Resolution	0:15	3:10 PM
BREAK	0:30	3:25 PM
Let's Troubleshoot Together	1:30	3:45 PM
Scenarion Learnings / Survey / Certification Process	0:30	5:15 PM
END		5:35 PM

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LAB TYPES: Validation Request / Change Request / Tshoot Request

Lab 1: Network Domains → **Validation Request**

Lab 2: Connection Policy → **Change Request**

Lab 3: FireNet – Interface → **Tshoot Request**

Lab 4: FireNet – Routes → **Tshoot Request**

Lab 5: Routes Manipulation & NAT → **Tshoot Request**

Lab 6: Site2Cloud → **Change Request**

Lab 7: Egress FQDN Filtering → **Tshoot Request**

Lab 8: Distributed Cloud Firewall → **Change Request**



Next: Walkthrough of
Operational features of the
platform