



ACE Operations

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



4 Hours
Use the Aviatrix backbone to build hybrid connections



16 Hours
Troubleshoot real-world Day 2 cloud issues



4 Hours
How to secure the network deployed inside the cloud

Join the ACE Academy

Instructor-Led Trainings and On-Demand Trainings



ACE Academy

The Aviatrix Certified Engineer (ACE) Program is the industry's leading multicloud networking certification. Its comprehensive trainings and specialized courses provide a deep understanding of how to build, operate, automate, scale, and secure cloud networks across Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP), and Oracle Cloud Infrastructure (OCI). The ACE Program equips participants with best practices that span all major cloud providers.



<https://ace.aviatrix.com>

POD & Lab Guides



Personal POD access details and 8x walkthrough Labs



<https://docs.aviatrixlab.com/ace-ops/docs/home.html>



Prerequisite, Expectations & How to get Certified

Prerequisite:

- ACE Associate is required. ACE Professional is highly recommended.

Expectations:

- The focus is on gaining familiarity with tools at your disposal for troubleshooting real-world Day 2 cloud issues. This is NOT a Build/Design training (please refer to the ACE PRO training).

How to get Certified:

1. Create Aviatrix ACE Academy Account: <https://ace.aviatrix.com>
 2. A Subset of Aviatrix use cases will be discussed (these are meaningful use cases collected from real scenarios)
 - There are **8** Labs that you will have to complete (an automated script will evaluate the completion of all labs). PODs will be torn down as soon as the training has been completed.
 3. Attend the entire course.
 4. On day 2, you will work with other participants on another dedicated pod (i.e., *"Let's troubleshoot together"* POD), where you will be presented with several failures. The objective is to identify and fix the failures using the Aviatrix platform tools.
 - Demonstrate a collaborative approach (it is NOT mandatory to resolve all failures 😊).
 5. Complete the Survey.
- Recordings are not distributed, nevertheless, the slides will be shared

Aviatrix Certified Engineer – Operations Day 1



Day-1 Morning	Approx. Duration	Start time
Welcome / Logistics / Agenda / Intro	0:10	9:00 AM
Walkthrough of Operational features of CoPilot	1:00	9:10 AM
Network Segmentation	0:20	10:10 AM
Lab 1 Network Segmentation	0:30	10:30 AM
Lab 2 Connection Policy	0:30	11:00 AM
Break	0:20	10:30 AM
FireNet	0:35	11:50 AM
Lab 3 FireNet - Interface	0:35	12:25 AM
Lunch Break	1:00	1:00 PM

Meet the Presenter



Joe Amendolara

Senior Solutions Architect,
Aviatrix

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

Aviatrix Certified Engineer – Operations Day 1



Day-1 Afternoon	Approx. Duration	Start time
Lab 4 FireNet - Routes	0:35	2:00 PM
Routes Manipulation & NAT	0:40	2:35 PM
BREAK	0:25	3:15 PM
Lab 5 Routes Manipulation & NAT	0:40	3:40 PM
Site2Cloud	0:40	4:20 PM
END		5:00 PM

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Aviatrix Certified Engineer – Operations Day 2



Day-2 Morning	Approx. Duration	Start time
Welcome / Agenda	0:10	9:00 AM
Lab 6 Site2Cloud	0:40	9:10 AM
Secure Egress	0:40	9:50 AM
Lab 7 Secure Egress	0:40	10:30 AM
Break	0:25	11:10 AM
Operational Best Practices	0:45	11:35 AM
Distributed Cloud Firewall	0:40	12:20 PM
Lunch Break	1:00	1:00 PM

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Aviatrix Certified Engineer – Operations Day 2



Day-2 Afternoon	Approx. Duration	Start time
Lab 8 Distributed Cloud Firewall	0:40	2:00 PM
Break	0:25	2:40 PM
Let's Troubleshoot Together	1:30	3:05 PM
Scenario Learnings / Survey / Certification Process	0:25	4:35 PM
END		5:00 PM

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Next: Walkthrough of Operational features of the CoPilot