



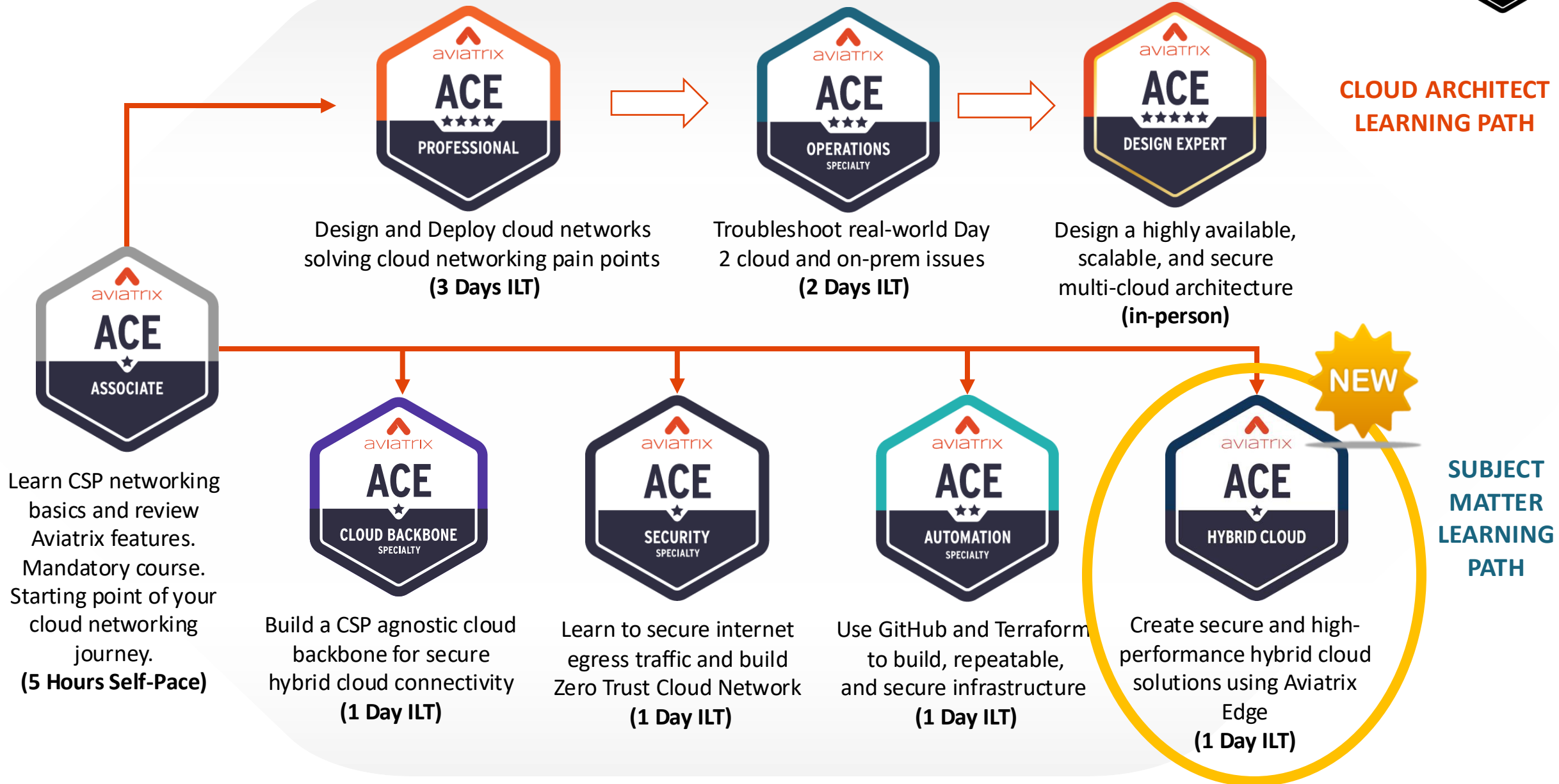
# ACE Operations

ACE Team

Day-1



# ACE Learning Paths



# Join the ACE Academy



Instructor-Led Trainings and On-Demand Trainings



## ACE Academy

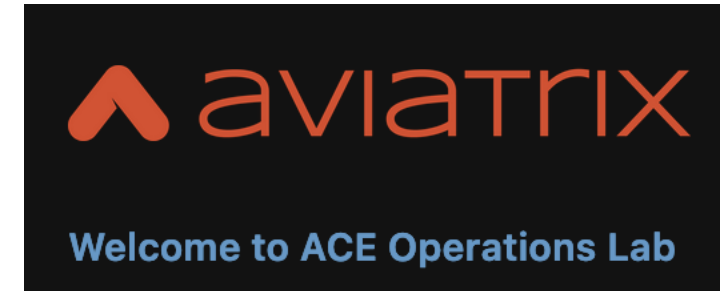
The Aviatrix Certified Engineer (ACE) Program is the industry's leading multicloud networking certification. Its comprehensive trainings and specialized courses provide a deep understanding of how to build, operate, automate, scale, and secure cloud networks across Amazon Web Services (AWS), Microsoft 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

## 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>

# Aviatrix Certified Engineer – Operations Day 1



Day-1 Morning	Approx. Duration	Start time
Welcome / Logistics / Agenda / Intro	0:10	9:00 AM
CoPilot UI Tour	0:50	9:10 AM
Network Segmentation	0:15	10:00 AM
Lab 1 Network Segmentation	0:30	10:15 AM
Lab 1 Resolution	0:05	10:45 AM
<b>Break</b>	<b>0:20</b>	<b>10:50 AM</b>
Lab2 Connection Policy	0:20	11:10 AM
Lab 2 Resolution	0:05	11:30 AM
FireNet	0:40	11:35 AM
Lab 3 FireNet - Interface	0:30	12:15 PM
Lab 3 Resolution	0:15	12:45 PM
<b>Lunch Break</b>	<b>1:00</b>	<b>1:00 PM</b>

## Meet the Presenter



**Joe Amendolara**

Senior Solutions Architect,  
Aviatrix

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

# Aviatrix Certified Engineer – Operations Day 1



Day-1 Afternoon	Approx. Duration	Start time
Lab 4 FireNet - Routes	0:30	2:00 PM
Lab 4 Resolution	0:15	2:30 PM
Routes Manipulation & NAT	0:30	2:45 PM
Lab 5 Routes Manipulation & NAT	0:35	3:15 PM
Lab 5 Resolution	0:15	3:50 PM
<b>Break</b>	<b>0:20</b>	<b>4:05 PM</b>
Site2Cloud	0:35	4:25 PM
<b>END</b>	<b>1:00</b>	<b>5:00 PM</b>

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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
<b>Break</b>	<b>0:25</b>	<b>11:10 AM</b>
Operational Best Practices	0:45	11:35 AM
Distributed Cloud Firewall	0:40	12:20 PM
<b>Lunch Break</b>	<b>1:00</b>	<b>1:00 PM</b>

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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
<b>Break</b>	<b>0:25</b>	<b>2:40 PM</b>
Let's Troubleshoot Together	1:30	3:05 PM
Scenario Learnings / Survey / Certification Process	0:25	4:35 PM
<b>END</b>		<b>5:00 PM</b>

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Next: Walkthrough of Operational features of the CoPilot