ACE Operations

ACE Team

Day-1

© Aviatrix Certified Engineer

ACE Learning Paths

Learn CSP networking basics and review Aviatrix features. Mandatory course. Starting point of your cloud networking journey.
(5 Hours Self-Pace)

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)

CLOUD ARCHITECT LEARNING PATH

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 high-performance hybrid cloud solutions using Aviatrix Edge
(1 Day ILT)

NEW

SUBJECT MATTER LEARNING PATH

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ILT = Instructor Led Training

Join the ACE Academy

Instructor-Led Trainings and On-Demand Trainings

ACE Academy

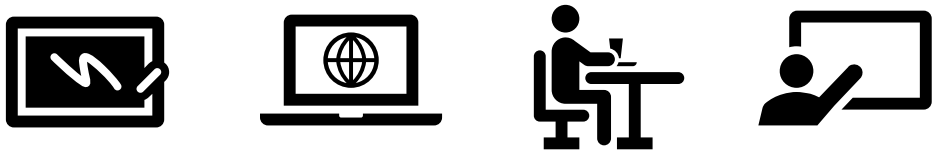
The Aviatrix Certified Engineer (ACE) Program is the industry's leading multicloud networking certification. Its comprehensive trainings and specialized courses provide a deep understanding of how to build, operate, automate, scale, and secure cloud networks across Amazon Web Services (AWS), Microsoft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

AVIATRIX ACE AVIATRIX CERTIFIED ENGINEER

https://ace.aviatrix.com

POD & Lab Guides

Personal POD access details and 8x walkthrough Labs



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Welcome to ACE Operations Lab

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

Certification will be then delivered after approximately seven business days!

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.

https://linkedin.com/in/joe-amendolara

Joe's technical expertise spans various areas, including:

- Multicloud Networking and Security
- QoS and Multicast implementation
- IPv6 solutions deployment
- Cisco ACI (Application Centric Infrastructure)

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
Break	**0:20**	**10:50 AM**
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
Lunch Break	**1:00**	**1:00 PM**

Meet the Presenter

Joe Amendolara
Senior Solutions Architect,
Aviatrix

Past: Whirlpool, Huawei, Orange
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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
Break	**0:20**	**4:05 PM**
Site2Cloud	0:35	4:25 PM
END	**1:00**	**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