



# ACE Operations

DAY - 1

# 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



**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



**4 Hours**  
How to secure the network deployed inside the cloud

## Join the ACE Community

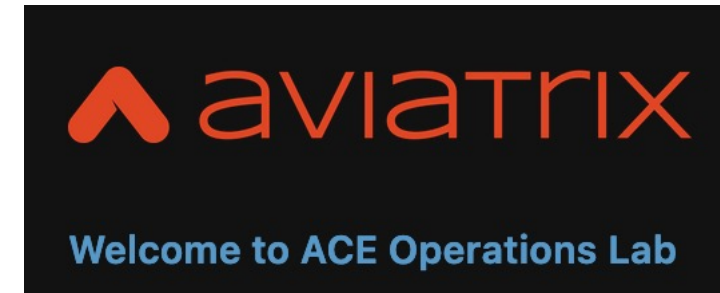
Join hands with fellow Network Engineers, help lead transformation in your orgs, and grow your careers



<https://community.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.

## Expectations:

- Focus is on **gaining familiarity with tools at disposal for troubleshooting real-world Day 2 cloud issue**. This is NOT a Build/Design training (please refer to the ACE PRO training).
- ACE Operations falls between ACE Associate (pre-req) and ACE Professional (highly recommended). This is a specialty certification!

## How to get Certified:

1. Subset of Aviatrix use cases will be discussed (these are meaningful uses cases collected from real scenarios)
  - There are **8** Labs that you will have to complete (automated script will evaluate the completion of all labs). PODs will be torn down as soon as the training has been completed.
2. Attend the entire course.
3. 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 the failures and fix them, using the Aviatrix platform tools.
  - Demonstrate a collaborative approach (it is NOT mandatory to resolve all failures 😊).
4. Complete the Survey.

# 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	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>
Lab 2 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 AM
Lab 3 Resolution	0:15	12:45 PM
<b>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://www.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>5:00 PM</b>

## 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 2



Day-2 Morning	Approx. Duration	Start time
Welcome / Agenda	0:10	9:00 AM
Lab 6 Site2Cloud	0:35	9:10 AM
Lab 6 Resolution	0:20	9:45 AM
Secure Egress	0:20	10:05 AM
<b>Break</b>	0:20	10:25 AM
Lab 7 Secure Egress	0:40	10:45 AM
Lab 7 Resolution	0:15	11:25 AM
Operational Best Practices	0:45	11:40 AM
Distributed Cloud Firewall	0:35	12:25 PM
<b>Launch Break</b>	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 2



Day-2 Afternoon	Approx. Duration	Start time
Lab 8 Distributed Cloud Firewall	0:35	2:00 PM
Lab 8 Resolution	0:20	2:35 PM
<b>Break</b>	<b>0:10</b>	<b>2:55 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>

## 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)



# 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 → **2x Change Requests**

**Lab 7:** Secure Egress → **Change Request**

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



---

Next: Walkthrough of  
Operational features of the  
CoPilot