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

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

POD & Lab Guides

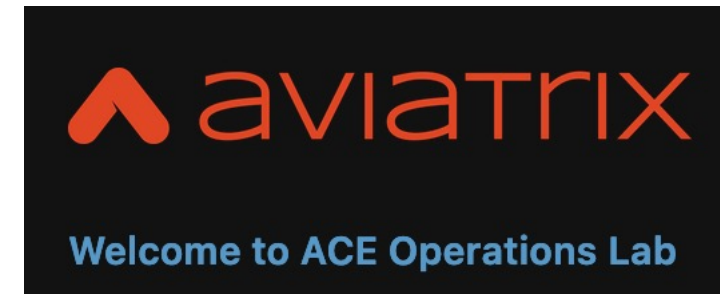Join hands with fellow Network Engineers, help lead transformation in your orgs, and grow your careers

Personal POD access details and 8x walkthrough Labs

Welcome to ACE Operations Lab

https://community.aviatrix.com

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

aviatrix

Prerequisite, Expectations & How to get Certified

Prerequisite:

- ACE Associate.

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).

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

How to get Certified:

1. 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 <u>automated script will evaluate the completion of all labs</u>). 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 and fix the failures 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 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	12:35 AM
Lab 3 FireNet - Interface	**0:30**	**1:15 PM**
Lab 3 Resolution	0:15	1:45 PM
Lunch Break	**1:00**	**2:00 PM**

Meet the Presenters

Shahzad Ali

VP, Solutions Architecture

https://youtube.com/netJoints

Rizwan Jamal

Senior Solutions Architect, Aviatrix

Past: Equinix, Microsoft, Cisco

linkedin.com/in/rizwan-j-35429723/

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	**0:20**	**3:25 PM**
Let's Troubleshoot Together	1:30	3:45 PM
Scenarion Learnings / Survey / Certification Process	0:30	5:15 PM
END		**5:45 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 → **2x Change Requests**

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

Lab 8: Distributed Cloud Firewall → **2x Change Requests**

Next: Walkthrough of Operational features of the CoPilot