

ACE Multicloud Network Automation Specialty: A Comprehensive Guide



What is the ACE Multicloud Network Automation training?

The ACE Multicloud Network Automation Specialty training brings the concepts of DevOps together by teaching participants how to automate a multicloud network infrastructure through hands-on labs.

The training includes three hands-on labs along with a solved walk-through guide for each lab.

Even with no coding background, students can expect to complete the training with an understanding of how to use GitHub and Terraform Cloud to build, enhance, and secure multicloud networks at scale in an automated fashion.

The ACE Automation course provides guidance for Day 0 and Day 2 automation of multicloud networks.

Course objectives:

- **AUTOMATE** a secure multicloud network using the Aviatix cloud network platform and the principles of DevOps and IaC
- **COLLABORATE** with other stakeholders in your organization by building CI/CD pipelines to apply a very common use case in the cloud: egress security

ACE Automation builds on the basic cloud networking knowledge gained in the ACE Associate training, and prepares students for the networking and security operations skills taught in the ACE Multicloud Network Operations Specialty training.

Why get certified

As cloud has gained prominence in the networking space, it has created a need for network engineers to know Terraform and other IaC tools like GitHub.

With these skills in tow, network engineers will be able to build and automate infrastructure more accurately, and meet DevOps demands more quickly.

The ACE certification is a recognized and respected cloud networking qualification with over 20,000 graduates to date.

WHO IS THE COURSE FOR?

The ACE Multicloud Network Automation course was designed for:

- DevOps teams
- SecOps teams
- NetSecOps teams
- Operations teams
- Infrastructure teams

All candidates must have completed the ACE Associate training to be eligible for the Automation course.

In addition, students are expected to have deployed the Aviatix Controller using the [Sandbox Starter Tool](#) (SST).

HOW LONG IS THE COURSE?

The ACE Automation training is self-paced and can be completed in **4 hours**. The course consists of modules, lab guides, and hands-on labs. There is no exam component to qualify for the certification.

WHAT DO I NEED?

You will need the following for the ACE Automation self-paced course:

- [An ACE Academy account](#)
- Active AWS account
- Active Azure account
- Aviatix Controller deployed from the [Sandbox Starter Tool](#)
- Three GitHub accounts
- One Terraform Cloud Organization account

HOW DO I SIGN UP?

You can learn more and sign up for the training [here](#).

HOW MUCH DOES IT COST?

The ACE Automation training costs \$995 USD.

Bridging the gap with Terraform and GitHub

To strengthen collaboration between network engineers and security and developer teams, the Automation training walks participants through Terraform, GitHub, and code-checking.

Terraform training is commonly only offered from a coder's perspective. However, ACE Automation teaches you Terraform through a networking lens, making it far more advantageous to those in the cloud space.

As the most prevalent version control system, knowledge of GitHub is also hugely beneficial in bridging the gap between engineers and developers.

Tips for the exam

- Revisit the training material and study your notes
- Get hands-on experience by launching the Aviatrix Controller
- Engage with the [ACE community](#) and ask and answer questions

Prepare for the future with ACE Automation

The skills needed to succeed in cloud networking are changing. But you can future proof your career and take your company's cloud journey to the next level by earning the ACE Multicloud Network Automation Speciality certification. Start today.

"The ACE certification has made a huge impact on my career. I use the skills I learned in the training while implementing modern multicloud network architectures for my customers, skills that are very important in an increasingly multicloud world."

— Manas Mondal,
Solutions Architect and Aviatrix ACE,
IT Services Industry

TOP TIPS

1. Set goals

Consider what you would like to gain from the course.

2. Expand your industry knowledge

Start fresh with ACE, or build upon these related programs:

- [HashiCorp Certified: Terraform Associate](#)
- [Introduction to Git and GitHub](#)
- [Automating Infrastructure on Google Cloud with Terraform](#)
- [Managing Cloud Infrastructure with Terraform](#)

3. Study

Revisit the course material and [Knowledge Base](#) to enhance your recall.

4. Get certified

Upon successful completion of the coursework and labs, you will be awarded your certificate and digital badge. The digital badge contains verified metadata that describes your ACE Automation certification and the process required to earn the designation.

5. Network with the community

Join the [Aviatrix community](#) to connect with other ACEs, keep your knowledge refreshed, and tap into networking opportunities.

6. Level up to the advanced ACE certifications

Once you achieve the Automation certification, you will be eligible to move on to the [ACE Multicloud Network Operations](#) training where you'll learn how to manage and operate a multicloud network.