



CYBERSECURITY AND IT TRAINING

Network Administration and Troubleshooting

5 day course

Classroom, online or in-house

Course overview

Networks are blamed for every problem nobody else can explain, and an administrator who cannot prove otherwise spends their career on other people's faults. This course builds that capability. Delegates work through addressing, subnetting and routing to the depth daily work requires, switching, virtual networks and the spanning tree behaviour that causes intermittent faults, and wireless deployment and interference. Services that everything depends on are covered: name resolution, address assignment and time. Structured troubleshooting is the core of the course, working from the symptom through layers to evidence rather than by guesswork. Monitoring, capacity and documentation follow. The course closes on change control and on the outages caused by a change nobody recorded.

What you will learn

- Apply addressing, subnetting and routing to daily work
- Configure switching and virtual networks, and diagnose loop behaviour
- Deploy wireless and diagnose interference and coverage problems
- Administer name resolution, address assignment and time services
- Troubleshoot from symptom through layers using evidence
- Monitor capacity and document a network usefully
- Apply change control so outages can be traced to a cause

Who should attend

- Network administrators and technicians
- IT support and infrastructure staff
- System administrators with network responsibility
- Security staff needing network fundamentals
- Technicians moving into network roles

Course outline

- 01 Blamed for everything nobody can explain
- 02 Addressing, subnetting and routing
- 03 Switching and virtual networks
- 04 Intermittent faults and loop behaviour
- 05 Wireless deployment and interference
- 06 Name resolution, addressing and time services
- 07 Structured troubleshooting
- 08 Monitoring, documentation and change control

Upcoming dates

Dates	Venue	Format	Fee per delegate
12 to 16 October 2026	Pretoria, South Africa	Classroom	R19,950
30 November to 4 December 2026	Lusaka, Zambia	Classroom	USD 1,325
7 to 11 December 2026	Accra, Ghana	Classroom	USD 1,325
21 to 25 December 2026	Online	Online	R8,500



Fees and how to register

This 5 day course is **R8,500** per delegate online, **R19,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 1,325** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afiscience.co.za, or WhatsApp us on **+27 63 479 1136**.

AfriScience Group | +27 61 536 6531 | info@afiscience.co.za | Pretoria, Gauteng, South Africa