



CYBERSECURITY AND IT TRAINING

Database Administration and Performance

5 day course

Classroom, online or in-house

Course overview

A database is where an organisation's records actually live, which makes its administrator the person who can lose everything and the person expected to explain why a report is slow. This course covers both duties. Delegates work through database architecture, storage and the instance configuration that affects everything else, and user, role and privilege administration. Backup and recovery are treated as the core responsibility, including proving a restore rather than assuming one. Performance follows: reading an execution plan, indexing decisions and the trade offs they carry, and diagnosing contention and blocking. Maintenance, statistics and growth management are covered. The course closes on patching, upgrades and high availability arrangements.

What you will learn

- Describe database architecture, storage and instance configuration
- Administer users, roles and privileges securely
- Design backups and prove recovery by testing a restore
- Read an execution plan and identify the cost
- Make indexing decisions and understand their trade offs
- Diagnose contention, blocking and resource limits
- Manage maintenance, growth, patching and high availability

Who should attend

- Database administrators and support staff
- System administrators with database duties
- Developers writing queries against production systems
- IT managers responsible for data availability
- Analysts investigating performance problems

Course outline

- 01 Losing everything and explaining slowness
- 02 Architecture, storage and instance configuration
- 03 Users, roles and privileges
- 04 Backup design
- 05 Recovery and proving a restore
- 06 Execution plans and query cost
- 07 Indexing decisions and trade offs
- 08 Contention, maintenance, patching and high availability

Upcoming dates

Dates	Venue	Format	Fee per delegate
5 to 9 October 2026	Online	Online	R8,500
19 to 23 October 2026	Lusaka, Zambia	Classroom	USD 1,325
26 to 30 October 2026	Kigali, Rwanda	Classroom	USD 1,325
2 to 6 November 2026	Maseru, Lesotho	Classroom	R19,950



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@afri-science.co.za, or WhatsApp us on **+27 63 479 1136**.

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