



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aatikd.co.za · Website: www.aatikd.co.za

COURSE BROCHURE

Cloud Management and Security

Custom Courses / Information Technology (IT) and Digital Skills

Unit Standard AATICD-0093 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to manage and secure cloud-based infrastructure and services. Participants will learn to implement cloud security controls, monitor cloud environments, and apply best practices for data protection and compliance in the cloud.

Category	Custom Courses
Subfield	Information Technology (IT) and Digital Skills
Unit Standard	AATICD-0093
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply cloud computing concepts and service models (IaaS, PaaS, SaaS) to organizational scenarios
- Implement identity and access management (IAM) policies and security controls in cloud environments
- Evaluate cloud security risks and apply mitigation strategies for data protection and compliance
- Design and configure cloud monitoring, logging, and incident response procedures
- Demonstrate secure configuration and management of cloud resources (compute, storage, networking)
- Analyze cloud security frameworks and standards relevant to the South African context

WHO SHOULD ATTEND

- IT professionals, systems administrators, network engineers, and security analysts who are responsible for managing and securing cloud resources.
- Also suitable for managers overseeing cloud adoption and digital transformation initiatives.

COURSE OUTLINE

Day 1: Foundations of Cloud Computing and Security

- Introduction to cloud computing: IaaS, PaaS, SaaS, public, private, hybrid.
- Cloud architecture and service models.
- Shared responsibility model: provider vs. customer.
- Cloud security threats: data breaches, misconfigurations, DDoS.
- Compliance and governance: POPIA, GDPR, ISO 27001.
- Overview of cloud security standards and best practices.

Day 2: Identity and Access Management (IAM) in the Cloud

- IAM concepts: users, groups, roles, policies.
- Authentication methods: passwords, MFA, SSO, SAML, OIDC.
- Authorization: role-based access control (RBAC), attribute-based access control (ABAC).
- Identity federation and directory services.
- IAM best practices: least privilege, regular audits.
- Hands-on: creating IAM policies and roles.

Day 3: Data Protection and Encryption in the Cloud

- Encryption fundamentals: symmetric vs. asymmetric.
- Key management services: AWS KMS, Azure Key Vault.
- Data at rest: encrypting storage volumes, databases.
- Data in transit: TLS/SSL, VPNs.
- Data masking and tokenization.
- Backup, disaster recovery, and business continuity.
- DLP policies and monitoring.

Day 4: Network Security and Monitoring in the Cloud

- Virtual private clouds (VPCs) and network segmentation.
- Security groups vs. network ACLs.
- Web application firewalls (WAF) and DDoS protection.
- IDS/IPS in the cloud.
- Centralized logging: CloudTrail, CloudWatch, Azure Monitor.
- Security information and event management (SIEM).
- Incident response procedures and automation.

Day 5: Compliance, Auditing, and Cloud Security Posture Management

- Compliance frameworks: SOC 2, PCI DSS, HIPAA.
- Automated compliance scanning and reporting.
- CSPM tools: AWS Security Hub, Azure Security Center.
- Cloud workload protection platforms (CWPP).
- Security policy development and enforcement.
- Continuous monitoring and improvement.
- Final assessment and course wrap-up.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **10 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 24,200.00	R 24,200.00
1	In-House	R 31,400.00	R 31,400.00
1	On-Campus (Pretoria)	R 36,200.00	R 36,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
17 Aug 2026	21 Aug 2026	On-Campus	Harare, Zimbabwe
17 Aug 2026	21 Aug 2026	On-Campus	Shenzhen, China
24 Aug 2026	28 Aug 2026	On-Campus	Bangkok, Thailand
24 Aug 2026	28 Aug 2026	On-Campus	Victoria Falls, Zimbabwe
31 Aug 2026	04 Sep 2026	On-Campus	Lusaka, Zambia
31 Aug 2026	04 Sep 2026	On-Campus	London, UK

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0093) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call **+27 12 004 8389** or WhatsApp **+27 65 077 6310** and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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