



BCONSULT

Occupational Certificate

CLOUD ADMINISTRATOR

NQF Level 4 | SAQA ID 118699 | 149 Points | 12 Months

Occupational Certificate:

Cloud Administrator – NQF Level 4

SAQA ID: 118699 | Credits: 149 | Duration: 12-month | QCTO Learnership

1. Course Overview

The Occupational Certificate: Cloud Administrator is designed to prepare learners to function effectively within the rapidly growing cloud computing industry. The qualification equips learners with the knowledge, practical skills, and workplace experience required to administer, monitor, maintain, and secure cloud-based systems and services.

Cloud Administrators play a critical role in ensuring the seamless delivery of cloud services by managing cloud infrastructure, networks, storage, performance optimisation, and security protocols. Learners will gain exposure to cloud ecosystems, server administration, networking, cloud security, data storage management, and cloud governance principles.

This qualification aligns with Fourth Industrial Revolution (4IR) trends and addresses the growing demand for cloud computing professionals across various industries. It is ideal for school leavers, TVET graduates, and individuals seeking formal recognition of cloud computing competencies.

2. Learning Outcomes

Upon completion of this qualification, learners will be able to:

- Implement cloud management services and cloud computing solutions.
- Configure and maintain cloud infrastructure, networks, and storage systems.
- Monitor and optimise cloud platform performance and availability.
- Troubleshoot cloud computing environments and network-related issues.
- Secure cloud environments against unauthorised access, cyber threats, and vulnerabilities.
- Apply disaster recovery and business continuity procedures.
- Manage cloud data storage, backups, and restoration processes.
- Apply governance, legislation, ethics, and compliance principles within cloud environments.
- Function effectively and ethically within technology-driven workplaces.

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3. A Qualified Learner Will Be Able To:

A qualified learner will be able to:

- Implement cloud solutions and services related to cloud computing, networking, security, and storage.
- Monitor and maintain servers and cloud networks for optimal performance.
- Ensure seamless delivery and availability of cloud services.
- Monitor data storage capacity and manage cloud-based storage systems.
- Configure and apply cloud security protocols and access control measures.
- Conduct system testing, troubleshooting, and maintenance activities.
- Perform backup, restoration, and disaster recovery procedures.
- Maintain cloud infrastructure standards and security compliance requirements.

Entry Requirements

The minimum entry requirement for this qualification is:

- An NQF Level 3 qualification.

Recognition of Prior Learning (RPL) is available in accordance with QCTO RPL policies for access, module exemption, and credit accumulation.

4. International Comparability

The Occupational Certificate: Cloud Administrator compares favourably with internationally recognised qualifications in Australia and India.

Australia

The qualification was benchmarked against the **Certificate IV in Information Technology (Systems Administration and Support)** offered in Australia. Similarities include:

- Systems administration and support

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- Cybersecurity risk management
- ICT maintenance and troubleshooting
- Network configuration and support
- Technical documentation and support services

The South African qualification differs through its specialised focus on cloud computing and real-time workplace experience requirements.

India

The qualification was also compared with the **Advanced Diploma in IT, Networking & Cloud Computing** offered by the National Skill Training Institute (NSTI) Mumbai. Similar areas include:

- Cloud architecture and cloud platform management
- Network technologies and server configuration
- Data storage and backup management
- Cloud application deployment
- Workplace-based learning components

The South African qualification is technology-agnostic and includes stronger emphasis on soft skills, ethics, cloud governance, and workplace integration.

Overall, the qualification aligns well with international cloud computing and systems administration standards.

5. Occupational Trainer – NQF Level 5 Certification

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This qualification is aligned with the Occupational Qualifications Sub-framework (OQSF) and quality assured by the MICT SETA in partnership with the QCTO.

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6. Potential Career Opportunities

Learners who complete this qualification may pursue careers such as:

- Cloud Administrator
- Junior Cloud Engineer
- Cloud Support Technician
- Cloud Infrastructure Technician
- Network Support Administrator
- Systems Administrator
- Cloud Operations Support Specialist
- Data Storage Administrator
- IT Support Technician
- Cloud Security Support Administrator

Career progression opportunities may include:

- Cloud Engineer
- Cloud Specialist
- Cloud Architect
- IT Infrastructure Manager
- Cybersecurity Specialist

Cloud Administrators are employable across industries that utilise cloud-based systems and digital infrastructure.

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7. Learning Options

This qualification may be offered through:

- Full-time classroom-based learning
- Blended learning programmes
- Online learning delivery
- Workplace-based learning
- Skills development provider programmes
- TVET college partnerships
- Occupational learnership programmes

The programme includes:

- Knowledge Modules
- Practical Skills Training
- Workplace Experience Components
- Integrated Formative Assessments
- External Integrated Summative Assessment conducted through the relevant QCTO Assessment Quality Partner (AQP)

Learners must complete all required modules and workplace experience requirements before qualifying for the external integrated summative assessment.

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