

OCCUPATIONAL CERTIFICATE

Cloud Administrator

Level 4 | SAQA ID | 118699



Edge Training is a proudly Level 1 B-BBEE accredited skills training provider with a national footprint and full accreditation with QCTO and SETA partners. We remain aligned with evolving QCTO regulations, ensuring that skills development in South Africa continues to meet national standards. Our commitment to compliance, excellence and quality assurance reinforces our role in strengthening the national framework and contributing meaningfully to the advancement and sustainability of skills development training.

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Qualification Information

Occupational Certificate: Cloud Administrator

Level 4 SAQA ID – 118699 149 Credits

Entry Requirements:

- NQF 3

Occupational Purpose:

The purpose of this qualification is to prepare a learner to operate as a Cloud Administrator

A Cloud Administrator implements cost-effective cloud-based systems and the cloud management service and transitions locally hosted infrastructure to the cloud. They monitor, maintain and troubleshoot networks of cloud platforms and computing resources, ensuring the seamless delivery of all cloud services and maintaining protocols to secure cloud environments against unauthorised access, threats and other risks.

Occupational Tasks:

- Implement the cloud management service.
- Monitor and maintain specific elements of the cloud, cloud users, the cloud environment and overall cloud performance.
- Maintain security protocols to secure cloud environments against unauthorised access, threats and other risks.

Qualification Information

Purpose of the Knowledge Modules:

The knowledge acquired will enable learners to demonstrate an understanding of:

(KM-01):

- Introduction to Cloud Computing

(KM-02):

- Cloud Computing Elements

(KM-03):

- Containers, Cloud Native and Kubernetes

(KM-04):

- Cloud Security, Risks, Vulnerabilities and Mitigation

(KM-05):

- Data and Databases in the Cloud

(KM-06):

- Fundamentals of Cloud Computing Platforms

(KM-07):

- Introduction to Cloud Computing Governance, Legislation and Ethics

(KM-08):

- 4IR and Future Skills

(KM-09):

- Design Thinking Principles for Innovation

Qualification Information

Purpose of the Practical Modules:

The focus of the learning in the practical modules is on providing the learner an opportunity to:

(PM-01):

- Conduct Effective Server Maintenance and Optimisation

(PM-02):

- Monitor On-Demand Availability of Data Storage, Storage Capacity and Storage Services over the Internet

(PM-03):

- Provide Cloud Network Administration and Support for Optimal Performance

(PM-04):

- Ensure Integrity of the Cloud Ecosystem by Implementing Security Measures

(PM-05):

- Access and Visualise Structured Data Using Spreadsheets

(PM-06):

- Participate in a Design Thinking for Innovation Workshop

(PM-07):

- Function Ethically and Effectively in the Workplace

Purpose of the Workplace Modules:

The focus of the work experience module is on providing the learner an opportunity to:

(WM-01):

- On-demand Availability of Server Resources and Services over the Internet

(WM-02):

- On-demand Availability of Data storage, Storage capacity and Storage services over the Internet

(WM-03):

- Ensure of Availability and Reliability of Network connection according to Workflow and Security protocols

Edge Training Will Provide

- Full project management of qualification
- Registration of the qualification with the relevant SETA
- Enrolment of the learner with QCTO for the qualification
- Facilitation by a Subject Matter Expert
- Venue suitable for the number of delegates
- Course material
- Monthly progress reports via the Edge Client Portal
- Booking of final exam (EISA) with the relevant SETA
- Certificates of Attendance

Qualification Structure

Cloud Administrator | Total Credits: 149

	Knowledge Modules	Level	Credits
KM01	Introduction to Cloud Computing	4	8
KM02	Cloud Computing Elements	4	8
KM03	Containers, Cloud Native and Kubernetes	4	4
KM04	Cloud Security, Risks, Vulnerabilities and Mitigation	4	3
KM05	Data and Databases in the Cloud	4	6
KM06	Fundamentals of Cloud Computing Platforms	4	3
KM07	Introduction to Cloud Computing Governance, Legislation and Ethics	4	1
KM08	4IR and Future Skills	4	4
KM09	Design Thinking Principles for Innovation	4	1

Knowledge Modules | Total Credits: 38

	Practical Modules	Level	Credits
PM01	Conduct Effective Server Maintenance and Optimisation	4	8
PM02	Monitor On-Demand Availability of Data Storage, Storage Capacity and Storage Services over the Internet	4	8
PM03	Provide Cloud Network Administration and Support for Optimal Performance	4	16
PM04	Ensure Integrity of the Cloud Ecosystem by Implementing Security Measures	4	8
PM05	Access and Visualise Structured Data Using Spreadsheets	4	8
PM06	Participate in a Design Thinking for Innovation Workshop	4	3
PM07	Function Ethically and Effectively in the Workplace	4	4

Practical Modules | Total Credits: 55

Qualification Structure

Cloud Administrator | Total Credits: 149

	Workplace Modules	Level	Credits
WM01	On-demand Availability of Server Resources and Services over the Internet	4	20
WM02	On-demand Availability of Data storage, Storage capacity and Storage services over the Internet	7	16
WM03	Ensure of Availability and Reliability of Network connection according to Workflow and Security protocols	7	20

Work Experience Modules | Total Credits: 56

Additional Information

Alternative titles used by the industry:

- None

Get in Touch

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We are a fully accredited training provider with BEE Level 1 certification and SSETA Accreditation #1135. Our VAT number is 4640189041, and we are registered under the number 2017 / 349079 / 07.