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90%
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(40 HRS)

CLOUD COMPUTING

Course Synopsis

Cloud computing is a model that enables on-demand access to shared computing resources, such as servers, storage, networks, and applications, that can be rapidly provisioned and scaled with minimal effort. As organisations in Singapore and worldwide accelerate digital transformation, the demand for skilled cloud professionals continues to grow, with national initiatives actively addressing the talent gap.

This course provides participants with both foundational knowledge and hands-on technical skills to design, deploy, and manage cloud solutions effectively. Participants will explore key concepts of **cloud architecture, service models (IaaS, PaaS, SaaS), and deployment strategies** (public, private, hybrid, community), while gaining practical experience in configuring virtual networks, managing storage, deploying virtual machines, and monitoring cloud environments using **Azure tools**.

Completion of this course prepares participants for the **Microsoft Azure Fundamentals (AZ-900)** and **Azure Administrator Associate (AZ-104)** certification exams, thereby enhancing their career readiness in cloud computing.

Course Code: TGS-2026064463



Prerequisites

Completed the following courses awarded by @ASK Training:

- Network Fundamentals and Troubleshooting

Language:

- Attained at least WPLN level 5 OR
- Obtained Grade C6 for GCE O level English OR
- Other equivalent qualifications

Academic:

- Obtained at least a pass or C6 at GCE O Level in at least 3 subjects OR
- Candidates with other qualifications will be considered on a case-by-case basis OR
- Mature candidates (≥ 30 years old) with 8 years of relevant working experience

Total Training Hours:

- 40 hours, including a 2-hour assessment
- Written Assessment
- Practical Assessment

Learning Units



Learning Unit 1

Introduction to Cloud Computing



Learning Unit 2

Introduction to Cloud Virtual Network



Learning Unit 3

Introduction to Cloud Storage



Learning Unit 4

Introduction to Cloud Virtual Machines



Learning Unit 5

Introduction to Cloud Monitoring

Course Objectives

By the end of this course, learners should be able to:

- ✓ Explain the core concepts, architecture, and characteristics of cloud computing.
- ✓ Differentiate between Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS), including applying the appropriate service model based on use cases.
- ✓ Evaluate cloud deployment models (public, private, hybrid, community) with emphasis on security, compliance, and governance considerations.
- ✓ Configure virtual networks, subnets, and IP addressing to establish secure connectivity.
- ✓ Manage cloud storage solutions including object, block, and file storage
- ✓ Deploy and configure virtual machines, covering sizing, storage, and networking requirements.
- ✓ Implement Azure Network Watcher and troubleshoot networking issues.
- ✓ Configure Azure Monitor for performance tracking, alerts, and proactive troubleshooting.

Programme Fee


S\$1,500

(exclusive of 9% GST)


PROGRAMME FEE AFTER ELIGIBLE SSG SUBSIDIES:

From **S\$190.50**

(inclusive of 9% GST) after 90% SSG Subsidies

 Self-Sponsored	Course Fee before Subsidy and GST	Eligible Funding	Nett Fees Payable incl. 9% GST
Singapore Citizens ≥ 40 years old	S\$1,500.00	90% SkillsFuture Funding	S\$190.50
Singapore Citizens, PRs or LTVP+ Holders ≥ 21 years old		70% SkillsFuture Funding	S\$490.50

SkillsFuture Credits can be used on top of existing subsidies

 Company-Sponsored	Course Fee before Subsidy and GST	Eligible Funding	Nett Fees Payable incl. 9% GST
Small-to-Medium Enterprise (SME) Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old	S\$1,500.00	90% SkillsFuture Funding	S\$190.50
Non-SME Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old		70% SkillsFuture Funding	S\$490.50
Non-SME Singaporean Citizens ≥ 40 years old		90% SkillsFuture Funding	S\$190.50

Singapore Citizens 21 years old and above who meet special criteria* may be eligible for Additional Course Fee Funding Support (AFS) of 95% Subsidy. AFS is only eligible for SkillsFuture Career Transition Programme applicants.

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