



@ASK Training
Attitude | Skills | Knowledge



(48 HRS)

ADVANCED NETWORK ADMINISTRATION



Course Synopsis

This course equips participants with the knowledge and practical skills to design, secure, monitor, and troubleshoot **Microsoft Azure network** environments. Participants will configure Azure Virtual Networks, subnets, DNS zones, and security groups, while implementing hybrid connectivity through VPNs, ExpressRoute, and Virtual WAN. The course also covers load balancing solutions such as Azure Load Balancer, Application Gateway, and Traffic Manager to improve application performance and availability. Emphasis is placed on securing networks and applications using **NSGs, Azure Firewall, Private Link, and WAF**. Through scenario-based labs and assessments, participants will build resilient, compliant architectures and strengthen readiness for **AZ-700 certification**.

Course Code: TGS-2026064615



Prerequisites

Completed the following courses awarded by @ASK Training:

- Cloud Computing

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:

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

Learning Units



Learning Unit 1

Azure Networking Fundamentals



Learning Unit 2

Hybrid Connectivity & Security



Learning Unit 3

Load Balancing & Application Delivery



Learning Unit 4

Monitoring, Troubleshooting &
Monitoring Workflow



Learning Unit 5

Advanced Routing & Multi-Region

Course Objectives

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

- ✓ Design and configure Azure Virtual Networks, subnets, DNS zones, and security groups to support scalable cloud environments.
- ✓ Implement hybrid connectivity using VPNs, ExpressRoute, and Virtual WAN, ensuring secure integration between on-premises and cloud networks.
- ✓ Deploy and manage load balancing solutions (Azure Load Balancer, Application Gateway, Traffic Manager) to optimize application delivery and availability.
- ✓ Secure applications and networks with NSGs, Azure Firewall, Private Link, and Web Application Firewall (WAF).
- ✓ Monitor and troubleshoot Azure networking using Azure Monitor, Network Watcher, and advanced routing techniques (UDRs, BGP).
- ✓ Apply advanced design patterns for multi-region, resilient, and compliant architectures.
- ✓ Demonstrate applied skills through scenario-based labs and assessments, preparing for both career transition into IT and AZ-700 certification readiness.



Programme Fee

S\$1,800

(exclusive of
9% GST)

PROGRAMME FEE AFTER ELIGIBLE SSG SUBSIDIES:

From **S\$228.60**

(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\$1,800.00	90% SkillsFuture Funding	S\$228.60
Singapore Citizens, PRs or LTVP+ Holders ≥ 21 years old		70% SkillsFuture Funding	S\$588.60

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\$1,800.00	90% SkillsFuture Funding	S\$228.60
Non-SME Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old		70% SkillsFuture Funding	S\$588.60
Non-SME Singaporean Citizens ≥ 40 years old		90% SkillsFuture Funding	S\$228.60

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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