



@ASK Training
Attitude | Skills | Knowledge



6-DAYS

Advanced Network Administration

Course Code: TGS-2024045997 (SCTP)
TGS-2025060531 (Non-SCTP)

up to
90%
SkillsFuture
Funding

Course Description

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.

Prerequisites

- Completed the Network Fundamentals and Troubleshooting course awarded by @ASK Training
- Mature candidates (≥ 30 years old with 8 years' work experience in an ICT-related field); OR
- Candidates with other qualifications will be considered on a case-by-case basis

Course Objectives:

Upon completion of this course, trainees 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.

Course Outline



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**



Written Assessments

Candidates are to answer all questions and receive a minimum grade of 50% and above (out of 100%) to demonstrate competencies in Learning Units (LU) 1 to 4.



Practical Assessments

Candidates are to design, implement, and manage a complex network infrastructure and receive a minimum grade of 50% and above (out of 100%) to demonstrate competencies in Learning Units (LU) 1 to 4.

Course Fees & Funding

S\$1,700

(exclusive of 9% GST)

PROGRAMME FEE AFTER ELIGIBLE SSG SUBSIDIES:

From **S\$215.90**

(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 and above

S\$1,700.00

90% SkillsFuture Funding

S\$215.90

Singaporean Citizens,
PRs or LTVP+ Holders
21 years old and above

70% SkillsFuture Funding

S\$555.90



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\$1,700.00

90% SkillsFuture Funding

S\$215.90

Non-SME
Singaporean Citizens,
PRs or LTVP+ Holders
≥ 21 years old

70% SkillsFuture Funding

S\$555.90

Non-SME
Singaporean Citizens
≥ 40 years old

90% SkillsFuture Funding

S\$215.90



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