4-DAYS

IT Infrastructure Automation and Orchestration

Course Code: TGS-2024046017

up to
90%
SkillsFuture Funding

Learning Outcomes

- Articulate the Infrastructure as Code (IaC) concept and differentiate between orchestration and automation, including assessing the benefits and challenges associated with IaC.
- Apply the essential skills in writing and executing PowerShell scripts to be used for On-Premise or Cloud environments.
- Setup the environment to enable IaC implementations.
- Manage automation through ARM templates and Azure Blueprints.
- Configure automation through Desired State Configuration on supported Windows Machines.

@ASK Training is a Private Education Institution accredited by the Ministry of Education and also a Continuing Education and Training Centre (CETC) accredited by SkillsFuture Singapore, offering a diverse range of courses from IT to Digital Marketing, with up to **90% funding.**

COURSE OUTLINE

Learning Unit 1:
Introduction to IT infrastructure Automation & Orchestration

Learning Unit 2:
Command-line Shell & PowerShell scripting language

Learning Unit 3:
Infrastructure as Code Fundamentals

Learning Unit 4:
Automation via PowerShell, ARM Templates & Azure Blueprints

Learning Unit 5:
Configuration management via PowerShell Desired State Configuration (DSC)

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 5.

Practical Assessments
Candidates are to automate and orchestrate IT infrastructure and receive a minimum grade of 50% and above (out of 100%) to demonstrate competencies in Learning Units (LU) 1 to 5.

IT-TOOLS COVERED

Windows Powershell
- Azure CLI
- Azure account to provision resources like virtual network, storage

COURSE FEES & FUNDING

Self-Sponsored	Course Fee before Subsidy and GST	Eligible Funding		Nett Fees Payable incl. 9% GST
Singapore Citizens **40 years old and above**	S$1,600.00	**90%**	SkillsFuture Funding	S$203.20
Singaporean Citizens, PRs or LTVP+ Holders **≥ 21 years old**		**70%**	SkillsFuture Funding	S$523.20

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$1,600.00	**90%**	SkillsFuture Funding	S$203.20
Non-SME Singaporean Citizens, PRs or LTVP+ Holders ≥ 21 years old		**70%**	SkillsFuture Funding	S$523.20
Non-SME Singapore Citizens 40 years old and above		**90%**	SkillsFuture Funding	S$203.20