

Specification of Competency Standards
for the Information & Communications Technology Industry
Unit of Competency

Functional Area - DMT Architecture

Title	Coordinate implementation of network for content delivery with cloud service provider
Code	108057L3
Description	This unit of competency applies to all Digital Media Technology (DMT) practitioners responsible for managing the implementation of cloud services. Most of the current DMT organisations will have on-premise infrastructures. When the organisation decided to elect using cloud services, it is important to have well formulated implementation plan and have good coordination with service vendors to create a smooth journey (migration) to the cloud and deliver the contents to customers at committed performance. This UoC assumes the practitioners were not necessarily involved with the cloud service selection process.
Level	3
Credit	3
Competency	<p>Performance Requirements</p> <p>1. Knowledge for coordinating implementation of network for content delivery with cloud service provider</p> <ul style="list-style-type: none"> • Possess good project management and good vendor management skills • Possess good knowledge of the organisation's digital media business • Possess good experience with private and public cloud architectures, and migration considerations • Possess good knowledge of infrastructure network design and network risk management methodologies • Possess in-depth skills in coordinating implementation of solutions for enterprise infrastructure <p>2. Coordinate implementation of network for content delivery with cloud service provider</p> <ul style="list-style-type: none"> • Evaluate the cloud service contract which the organisation purchased including: <ul style="list-style-type: none"> ○ Cloud packages ○ Service Level Agreement (SLA) committed by cloud service vendor ○ Tools available for migration and general operation • Execute implementation/migration plan including items not limited to the following: <ul style="list-style-type: none"> ○ Understand organisation goals for cloud service ○ Selection of pilot projects ○ Scheduled dates ○ People assigned to the project • Coordinate with service provider in preparation for implementation/migration, including: <ul style="list-style-type: none"> ○ Schedules, milestones/checkpoints ○ Security settings of cloud infrastructure ○ Test plans (integration, acceptance), monitoring and reporting setups ○ Contact points, support and emergency ○ Fallback procedures ○ Domain name for CDN (Content Delivery Network) ○ CDN and other cloud configuration ○ Identify type of reports needed to be generated for infrastructure users ○ Organise training and collect user and technical documentation for operation of cloud infrastructures • Assist and liaise with services providers to perform the pilot implementation/migration and review results with all stakeholders to refine process and procedures for the full implementation/migration

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	<ul style="list-style-type: none"> • Assist and liaise with cloud service providers during the full implementation/migration and ensure all contracted services are setup correctly • Liaise with service providers to setup and perform monitoring of all commissioned cloud services, collect feedbacks from all internal stakeholders and perform review internally and with cloud service vendors to ensure constant and reliable performance can be maintained <p>3. Exhibit professionalism</p> <ul style="list-style-type: none"> • Apply industry best practices such as ITIL (Information Technology Infrastructure Library) service integration and management for coordinating with cloud service providers
Assessment Criteria	<p>The integrated outcome requirements of this UoC are the abilities to:</p> <ul style="list-style-type: none"> • Execute the implementation/migration from on-premise infrastructures to cloud services • Coordinate all tasks with cloud service providers which have successfully and smoothly implemented/migrated the organisation to cloud without creating adverse effect on production team or customers
Remark	