



Australian Government

Assessment Requirements for ICTCLD603 Design hybrid cloud-based network architectures

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with the Information and Communications Technology Training Package Version 8.0. Newly created unit of competency to address in-demand skills needs.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- design at least two hybrid network architectures.

In the course of the above, the candidate must:

- research and compare available hybrid network architecture options
- apply required organisational policies and procedures.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- functions and features of integration plans and capability matrices
- methods to design hybrid network architecture and integration plans
- key functions and features of hybrid network architectures, including:
 - virtual machine connections
 - bandwidth requirements
 - computers, hardware and hybrid topologies
 - network traffic
 - private connections and reference architecture
 - virtual private network (VPN) configurations and gateways
 - system and custom routing tables
- key types of industry-recognised network topologies, including:
 - site-to-site

- multi-site
- point-to-site
- network-to-network
- methods to calculate bandwidth
- industry-recognised technologies and resources used in designing hybrid network architectures
- industry-recognised hybrid network architecture vendors
- types of communication methods between resources and datacentres
- types of extension programs to extend on-premise network over private connections
- methods to establish dedicated, high-speed connection between networks and programs
- methods to secure and save applications
- organisational formats for documentation and reports
- organisational policies and procedures, and legislative requirements relating to work tasks.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- technologies and resources to design hybrid network architectures
- work brief and organisational policies and procedures required to demonstrate the performance evidence.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guide is found on VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2>