



Australian Government

Assessment Requirements for ICTCLD506 Implement virtual network in cloud environments

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

Performance Evidence

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

- design and deploy virtual network to support a multi-tier application in a cloud environment
- modify at least one network configuration to peer with another virtual network.

In the course of the above, the candidate must:

- enable security controls and confirm that controls accurately affect network traffic as required
- use cloud management console, cloud software development kits or command line tools
- create user documentation.

Knowledge Evidence

The candidate must demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit. This includes knowledge of:

- industry technology standards used in cloud computing solutions and services
- industry standard hardware and software products, their general features, capabilities and application, including storage technology
- roles and principles of virtual networks in cloud environments
- uses and purpose of routing, routing targets, subnets, networking security controls, virtual private network (VPN) and IP address ranges
- uses of technology to connect to resources within a virtual network, including secure shell (SSH), virtual private network (VPN) and peering
- uses and differences between:
 - public and private subnets
 - networking gateways
 - routing targets

- network security controls
- testing and debugging techniques
- methodology and techniques to collect and analyse network traffic metrics and traffic logs.

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:

- cloud vendor service provider
- information and data sources required to design and implement cloud infrastructure
- specific requirements and industry standards, organisational procedures and legislative requirements, including business and functionality requirements, as required
- internet and web browser
- secure shell (SSH) or remote desktop protocol (RDP) client to connect to cloud-hosted instances
- data to gather information from to determine output and user requirements, including user access and business protocols.

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>