



Australian Government

Assessment Requirements for ICTCLD507 Build and deploy resources on cloud platforms

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:

- deploy and configure at least 6 of the following different types of cloud resources, including but not limited to
- virtual machines
- container services
- load balancers and autoscaling
- serverless functions
- API gateways
- block or object storage
- managed databases
- DNS
- content delivery networks.

In the course of the above, the candidate must:

- use cloud management console, cloud software development kits or command line tools
- develop and execute test plans and demonstrate successful task completion
- consider procedural improvements to produce repeatable and automated deployments by reducing manual processes.

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 applications
- testing and debugging techniques of cloud resources and technologies

- purpose, benefits and features of cloud-based:
 - virtual machines and containers services
 - API gateways and serverless computing
 - load balancing and autoscaling
 - block and object storage
 - managed databases
 - DNS and content delivery networks
 - resource logging, monitoring and alerting tools
- repeatable and automated provisioning with
- software development kits
- command line tools
- infrastructure as code services.

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
- cloud managed database service
- information and data sources required to design and implement cloud infrastructure
- integrated development environment (IDE)
- 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>