



Australian Government

**Assessment Requirements for ICTCLD508
Manage infrastructure 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:

- monitor and manage inventory, changes and lifecycle of at least one cloud resource.

In the course of the above, the candidate must:

- use cloud management console, cloud software development kits or command line tools
- collect and analyse cloud and system data and adjust resources accordingly
- summarise ways system operations in cloud environments can be automated to minimise manual intervention.

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
- purpose, benefits and features of cloud services that enable:
 - resource inventory and change management
 - performance, capacity and availability monitoring and alerting
 - snapshots and backups
 - user, service and resource permissions
 - access management, monitoring and auditing
 - system patching and update services
 - security mechanisms
- repeatable and automated maintenance of cloud resources with:
 - console-based management services

- software development kits
- command line tools.

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 well as retention/lifecycle business policy, as required
- retention/lifecycle policy example as it relates to managing cloud infrastructure
- internet and web browser
- 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>