



**Australian Government**

# **Assessment Requirements for ICTCLD301 Evaluate characteristics of cloud computing solutions and services**

**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:

- determine at least one suitable cloud computing solution and associated services according to business needs.

In the course of the above, the candidate must:

- collate information on the business' need for cloud technology
- articulate total cost of ownership for cloud computing solution as it applies to business needs
- document finalised evaluation findings.

## 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:

- technology trends in cloud computing
- industry technology standards used in cloud computing solutions and services
- functions and features of cloud computing solutions and services vendor products
- principles and functions of cloud computing solutions, models and technologies, including:
  - Infrastructure as a Service (IaaS)
  - Platforms as a Service (PaaS)
  - Software as a Service (SaaS)
- industry standard hardware and software products, their general features, capabilities and application
- different cost models and cloud economic theories as they apply to different cloud services, and benefits to each
- uses and different features of private, hybrid and public cloud deployment models.

## 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:

- organisational and industry standards, guidelines and legislation required to inform business cloud computing requirements
- information and data sources
- industry standard information and telecommunications equipment required to capture and store data
- a variety of cloud solutions and services and their specifications

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>