



Australian Government

Assessment Requirements for ICTPRG604 Create cloud computing 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 1.0.

Performance Evidence

Evidence of the ability to:

- design, build, test and deploy a web service to specification that can be accessed and used from a separate web application
- design, build, test and deploy a cloud computing application to specification that can be accessed from a variety of portals
- document the completed development.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- identify and describe the development tools required to produce services deployable through cloud computing
- summarise the internet infrastructure necessary for cloud computing
- describe object-oriented programming and its application to cloud computing
- describe database access and manipulation on the web using:
 - hypertext markup language (HTML)
 - eXtensible markup language (XML)
- describe the term “big data” and explain its relevance to cloud computing.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances should be typical of those experienced in the programming and software development industry and include access to:

- specific requirements, including client and functionality requirements
- integrated development environment (IDE) for the determined language
- the database server with tools to access data source and develop queries
- the web server for the determined environment
- the internet and a web browser.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

Companion Volume implementation guides are found in VETNet -

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