



Australian Government

Assessment Requirements for ICTPRG614 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 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, build, test and deploy
 - at least one web service to specification that can be accessed and used from a separate web application
 - at least one cloud computing application to specification that can be accessed from different portals.

In the course of the above, the candidate must:

- document completed developments.

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:

- agile methodology to design, build, test and deploy web services and cloud computing applications, including for:
 - determining user needs and required functionality of web services and cloud computing application
 - developing uptime strategy for designed services
- characteristics of current and emerging cloud delivery models
- development tools required to produce services deployable through cloud computing
- internet infrastructure necessary for cloud computing
- object-oriented programming and its application to cloud computing
- required languages for database access and manipulation on web.

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:

- client and functionality requirement
- integrated development environment (IDE) for determined language
- database server with tools to access data source and develop queries
- web server for determined environment in performance evidence
- internet and web browser.

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>