



Australian Government

Assessment Requirements for ICTCLD514

Create and test cloud-based serverless applications

Release: 1

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Modification History

Release	Comments
Release 1	This version first released with the Information and Communications Technology Training Package Version 8.0. Newly created unit of competency to address in-demand skills needs.

Performance Evidence

The candidate must demonstrate the ability to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including evidence of the ability to:

- create and test at least two different serverless applications using different event triggers.

In the course of the above, the candidate must:

- report unusual serverless application activities within required timeframes
- apply required organisational policies and procedures.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- functions and features of serverless applications technologies, including:
 - application programming interfaces (APIs)
 - event-driven architectures and applications
 - programming languages
 - software development kits
 - hypertext transfer protocols (HTTPs)
 - uniform resource identifiers (URIs)
- functions and features of event triggers supported by cloud platforms, including:
 - API gateways
 - data streams
 - message queues
 - notifications and alarms

- object storage
- methods to configure, test and manage serverless applications
- types of serverless packaging and deployment tools supported by cloud platforms
- methods to operate serverless packaging and deployment tools
- types of software and related requirements for serverless applications, including:
 - cloud platform concurrency
 - execution limits
 - functionality and performance review
 - cost models
 - log monitoring
- organisational policies and procedures, and legislative requirements relating to work tasks.

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:

- a platform where serverless applications may be created and deployed
- work brief, resources, and organisational policies and procedures required to demonstrate the performance evidence.

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>