



Australian Government

Assessment Requirements for ICTCLD505 Implement cloud infrastructure with code

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:

- deploy, update and remove cloud infrastructure using cloud platform templates
- create, run and update at least one own template required to deploy and modify cloud infrastructure.

In the course of the above, the candidate must:

- use cloud management console, cloud software development kits or command line tools
- create user documentation.

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 application, including storage technology
- benefits of deploying infrastructure as code compared to manual provisioning in a console
- different infrastructure as code services that can be used on a cloud platform
- syntax of selected infrastructure as code service templates
- tooling required to execute cloud infrastructure templates
- testing and debugging techniques, including common issues and errors relating to deploying cloud infrastructure as code
- parameterisation of templates to support configuration and code reuse
- industry standard practices to define infrastructure as code
- uses and methods to create, manage, provision and update cloud resources and templates
- techniques, methods and industry standard metrics used to leverage cloud platform capabilities and deploy and manage templates.

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 vendor or 3rd party infrastructure as code service
- specific requirements and industry standards, organisational procedures and legislative requirements, including business and functionality requirements, as required
- information and data sources required to design and implement cloud infrastructure
- integrated development environment (IDE)
- internet and web browser
- secure shell (SSH) or remote desktop protocol (RDP) client to connect to cloud-hosted instances
- cloud management console, cloud software development kit or command line tools.

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>