



Australian Government

ICTSS00127 Cloud Programmer Skill Set

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 to equip learners with skills across in-demand technologies.

Description

This skill set addresses the skills and knowledge required to develop and manage cloud-based microservices, serverless applications, and data persistence; and to deploy continuous pipelines across information and communications technology (ICT) environments using virtual networks.

Entry Requirements

Entry to this skill set is limited to those who have completed the following or equivalent units of competency or who are able to demonstrate equivalent competence.

ICTCLD501 Develop cloud disaster recovery plans

ICTCLD502 Design and implement highly-available cloud infrastructure

ICTCLD503 Implement web-scale cloud infrastructure

ICTCLD504 Improve cloud-based infrastructure

Pathways Information

The units provide credit towards ICT50220 Diploma of Information Technology, ICT60220 Advanced Diploma of Information Technology, and other qualifications that allow for selection of these units.

Licensing/Regulatory Information

No licensing, legislative or certification requirements apply to this skill set at the time of publication.

Skill Set Requirements

ICTCLD513 Develop cloud-based microservices architecture using containers

ICTCLD514 Create and test cloud-based serverless applications

ICTCLD515 Build and deploy cloud-based applications using CI and CD pipelines

ICTPRG554 Manage data persistence using noSQL data stores

ICTPRG614 Create cloud computing services

Target Group

This skill set is for individuals who work in cloud programmer roles, including software engineers, DevOps engineers, solution architects, cloud engineers, and other related roles responsible for programming cloud-based applications.

Suggested words for Statement of Attainment

These units of competency from the ICT Information and Communications Technology Training Package meet industry requirements for programming cloud-based applications in ICT contexts.