



Australian Government

ICTCLD603 Design hybrid cloud-based network architectures

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.

Application

This unit describes the skills and knowledge required to plan the connection of traditional on-premises infrastructure to resources in specified vendor programs, through developing hybrid cloud-based network architectures. It includes designing a hybrid network architecture and selecting appropriate hybrid network solutions to support a cloud-based computing environment.

The unit applies to individuals who may work in a variety of roles, including hybrid cloud architects, network architects and specialist solution architects who independently design hybrid network architectures in various contexts.

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

Unit Sector

Cloud computing

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Create network integration plan	1.1 Confirm work brief and tasks according to organisational policies and procedures 1.2 Identify existing and proposed on-premises and cloud-based resources in consultation with required personnel 1.3 Research vendor and hybrid network technologies 1.4 Record research findings in network integration plan according to work brief

ELEMENT	PERFORMANCE CRITERIA
	1.5 Select and source hybrid network technologies according to work brief and organisational policies and procedures 1.6 Record functions and features of hybrid network architectures in network integration plan
2. Set up on-premise hybrid connectivity	2.1 Identify advantages and disadvantages of extension program options 2.2 Select preferred option according to work brief in consultation with required personnel 2.3 Review program components according to work brief 2.4 Determine reference architecture 2.5 Confirm required network configurations 2.6 Outline procedures to confirm connection between on-premise network and selected program
3. Finalise documentation	3.1 Document capability matrix according to organisational policies and procedures 3.2 Save applications in required locations according to organisational policies and procedures 3.3 Confirm that documentation includes required components according to work brief 3.4 Securely file documentation according to organisational policies and procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Skill	Description
Numeracy	Analyses hybrid network architecture diagrams and uses advanced numeracy to calculate capability matrix components
Reading	Interprets a range of specialised documentation and diagrams, and identifies solutions according to requirements
Writing	Completes workplace records, documentation and forms accurately and legibly using correct technical and enterprise-specific vocabulary
Planning and organising	Plans strategic priorities and outcomes in a flexible, efficient and effective context and diverse environment exposed to competing demands

Unit Mapping Information

No equivalent unit. Newly created unit.

Links

Companion Volume Implementation Guide is found on VETNet - -

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