



Australian Government

ICTICT428 Select cloud storage solutions

Release: 1

ICTICT428 Select cloud storage solutions

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 4.0.

Application

This unit describes the skills and knowledge required to select cloud storage solutions based on the analysis of organisational requirements. It includes the development of implementation strategies to ensure that the organisation is prepared for the implementation of the selected cloud storage solutions.

This unit applies to individuals who undertake the evaluation of organisational data storage requirements and plan the implementation for the organisation.

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

Unit Sector

General ICT

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. Determine requirements for a cloud storage solution	1.1 Review organisational data storage requirements and guidelines, and industry standards to determine need for cloud storage solutions within scope of own responsibilities 1.2 Identify and evaluate cloud storage options with respect to organisational data storage requirements 1.3 Identify data and security risks to evaluate cloud storage options for organisations
2. Develop an implementation plan for implementing cloud	2.1 Select cloud storage options to satisfy organisational data storage requirements 2.2 Identify potential providers of cloud storage solutions and

storage solutions	evaluate providers with respect to organisational data storage requirements 2.3 Develop and document an implementation plan for the cloud storage solution aligned to the organisation data storage requirements within scope of own responsibilities
-------------------	---

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
Reading	- Draws on a broad range of strategies to build and maintain understanding throughout complex texts - Organises, evaluates and critiques ideas, and information, from a wide range of complex texts
Writing	Generates complex written texts, demonstrating control over a broad range of writing styles and purposes
Numeracy	- Analyses and synthesises highly-embedded mathematical information, in a broad range of tasks and texts - Extracts numerical information to calculate cloud storage and performance requirements and costs
Navigate the world of work	- Develops, and implements, strategies that ensure that the organisational and regulatory requirements are met - Monitors and reviews the organisation's requirements and adherence to legislative requirements, in order to implement and manage change
Get the work done	- Plans strategic priorities and outcomes within a flexible, efficient and effective context, in a diverse environment exposed to competing demands - Gathers and analyses data, and seeks feedback, to improve plans and processes - Makes high-impact decisions in a complex and diverse environment, using input from a range of sources

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
-----------------------------------	------------------------------------	----------	-----------------------

ICTICT428 Select cloud storage solutions	ICTICT423 Select cloud storage strategies	Edits to title, application, elements 1 and 2, and assessment requirements to clarify intent and scope. Edits to foundation skills to reflect unit content.	Equivalent unit
--	---	--	-----------------

Links

Companion Volume Implementation Guides are available from VETNet -

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

Assessment Requirements for ICTICT428 Select cloud storage solutions

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 4.0.

Performance Evidence

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

- Determine the cloud storage needs of an organisation within the scope of own responsibilities including the identification of three cloud storage options through considering the following:
 - data
 - security
 - performance
 - usability
 - and broader organisational benefits and detriments
- Review service level agreements (SLAs) for the three identified cloud storage options to identify hidden costs, ownership of data, disaster recovery and rights to retrieval, availability and performance, security standards and audit rights, data storage location and dispute mediation processes in the identification of potential cloud service providers
- Evaluate the performance and usability of the three cloud storage options
- Develop and document one cloud storage implementation plan for an organisation including the evaluation and selection of cloud storage solutions

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements and performance criteria of this unit. This includes:

- Key requirements of an ICT implementation plan
- Business types that may have cloud storage requirements
- Current trends and directions in information and communications technology (ICT), and the major industry technology standards used in cloud storage options
- Advantages and disadvantages of cloud storage options and providers
- Major themes relating to data and cyber security and their application within the organisational environment

- Current industry hardware and software products and their general features, capabilities and application as relevant to cloud storage options
- Characteristics relating to cloud storage that must be included in service level agreements
- Costs and organisational impacts relevant to a cloud storage strategy
- SLA terms related to service availability and performance

Assessment Conditions

Skills must be demonstrated in a workplace or simulated environment where conditions are typical of those in an ICT working environment or ICT workplace. This includes:

- A site where cloud storage technologies may be used
- Organisational data storage requirements and guidelines relating to the storage of information
- Cloud storage options currently used in industry
- Service level agreements (SLA) documentation relevant to cloud storage providers
- Standards, guidelines, and organisational requirements relating to work health and safety (WHS) and sustainability

Assessors of this unit must satisfy the assessor requirements in applicable vocational education and training legislation, frameworks and/or standards.

Links

Companion Volume Implementation Guides are available from VETNet -

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