



Australian Government

ICTICT423 Select cloud storage strategies

Release: 1

ICTICT423 Select cloud storage strategies

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 1.0.

Application

This unit describes the skills and knowledge required to analyse business requirements, and to select the best strategies for providing a cloud storage solution.

It applies to those engaged in developing a cloud storage strategy for an enterprise.

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. Plan for the implementation of a cloud storage solution	1.1 Review the business requirements and identify the enterprise standards 1.2 Review the major characteristics relating to cloud storage, and identify the advantages and disadvantages of its use 1.3 Review the suitability of “Big Data” in the cloud storage solution
2. Select strategies for implementing cloud storage solutions	2.1 Research, and review, the major cloud storage applications to determine possible cloud storage business needs 2.2 Identify the most relevant business functions for cloud storage deployment 2.3 Evaluate possible providers of cloud storage solutions 2.4 Review service level agreements (SLAs) and identify any

ELEMENT	PERFORMANCE CRITERIA
	hidden costs 2.5 Develop a cloud storage strategy, according to the identified business data deliverables
3. Evaluate the effectiveness of cloud storage	3.1 Review and evaluate, cloud storage technologies for performance, usability and benefit to the enterprise 3.2 Document and action the required improvements

Foundation Skills

This section describes language, literacy, numeracy and employment skills incorporated in the performance criteria that are required for competent performance.

Skill	Performance Criteria	Description
Reading	1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.4, 3.1	- 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	1.1-1.3, 2.5, 3.2	Generates complex written texts, demonstrating control over a broad range of writing styles and purposes
Numeracy	2.4	Analyses and synthesises highly-embedded mathematical information, in a broad range of tasks and texts
Navigate the world of work	1.1, 2.5, 3.1	- Develops, and implements, strategies that ensure that the organisational policies, procedures, and regulatory requirements are met - Monitors and reviews the organisation's policies, procedures, and adherence to legislative requirements, in order to implement and manage change
Get the work done	1.2, 2.5, 3.2	- 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

		Explores and incubates, new and innovative ideas through unconstrained analysis and critical thinking, to develop and improve the organisation's goals
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Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTICT423 Select cloud storage strategies	ICAICT423A Select cloud storage strategies	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for ICTICT423 Select cloud storage strategies

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Performance Evidence

Evidence of the ability to:

- review the benefits and challenges associated with implementing a cloud storage solution
- determine and document the most appropriate cloud storage solutions for the enterprise, and effective strategies for their implementation
- review the implementation of a cloud storage strategy, and identify any areas for improvement.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- describe the business types that may have cloud storage requirements
- define the current trends and directions in information and communications technology (ICT), and the major industry technology standards used in cloud storage services
- analyse the advantages and disadvantages of cloud storage
- define “Big Data” and its application within the corporate environment
- identify and specify, the vendor product directions in cloud storage services
- identify and describe, current industry hardware and software products, and their general features, capabilities and application, especially where applied to cloud storage technologies
- define the characteristics of cloud storage that must be included in service level agreements
- describe the additional costs that impact on a cloud storage strategy.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the general ICT industry, and include access to:

- a site where cloud storage technologies may be used
- the cloud storage technologies currently used in industry
- service level agreements (SLA) documentation relevant to cloud storage scenarios
- documentation detailing work health and safety (WHS) standards, environmental guidelines, and enterprise requirements.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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