



Australian Government

ICTNWK419 Identify and use current virtualisation technologies

Release: 1

ICTNWK419 Identify and use current virtualisation technologies

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 use virtualisation technology, according to the industry standards for reviewing and demonstrating work processes, skills and techniques to ensure that the quality of the entire business process is maintained at the highest level possible through the appropriate application of virtualisation technology.

This unit applies to individuals engaged in ongoing review and research who review, and maintain, business processes at the highest level possible.

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

Unit Sector

Networking

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. Prepare to use virtualisation technologies	1.1 Identify the enterprise requirements, and determine the need for desktop virtualisation software 1.2 Identify the virtualisation vendors and the different types of virtualisation technology that they offer 1.3 Identify, review and select the desktop virtualisation software, where appropriate 1.4 Select suitable desktop virtualisation software
2. Use desktop virtualisation software to assist in solving	2.1 Test the desktop virtualisation software 2.2 Use the features and functions of desktop virtualisation

ELEMENT	PERFORMANCE CRITERIA
organisational problems	software in an organisational context, in line with environmental factors 2.3 Demonstrate an in-depth of knowledge of desktop virtualisation technologies, to an accepted industry standard 2.4 Access and use, the sources of information relating to desktop virtualisation technology
3. Evaluate the desktop virtualisation software performance	3.1 Review the effect of desktop virtualisation software on benefits to the enterprise 3.2 Seek feedback from users, where appropriate, and update the desktop

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, 1.4, 2.4, 3.1	Critically analyses documentation from a variety of sources and records, and consolidates information, to determine requirements
Writing	3.2	Writes, edits and proofreads documents to ensure clarity of meaning, and the accuracy and consistency of information
Oral Communication	3.2	Uses specific and relevant language to clearly describe and explain, a range of technical, operational and business-related matters, with internal and external personnel
Navigate the world of work	1.1, 2.2	- Identifies, and acts on, issues that contravene relevant policies, procedures and legal requirements - Takes personal responsibility for following explicit and implicit policies, procedures and legislative requirements
Interact with others	3.2	Selects and uses, the appropriate conventions and protocols when communicating with clients and co-workers, in a range of work contexts
Get the work done	1.1-1.4, 2.1, 2.2, 2.3, 3.1	Takes responsibility for planning, sequencing and prioritising tasks and own workload, for efficiency and effective outcomes

		• Makes routine decisions and implements standard procedures for routine tasks, using formal decision-making processes, for more complex and non-routine situations • Contributes to the continuous improvement of current work practices, by applying basic principles of analytical and lateral thinking
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Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTNWK419 Identify and use current virtualisation technologies	ICANWK419A Identify and use current virtualisation technologies	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 ICTNWK419 Identify and use current virtualisation technologies

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Performance Evidence

Evidence of the ability to:

- identify current new, and emerging, virtualisation technology
- identify and use, the features and functions of industry-specific virtualisation technologies
- review and evaluate the virtualisation software.

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 current technology trends, and directions, in information and communications technology (ICT), specifically in the major industry technology standards used in virtualisation technology
- recognise the vendor product directions relating to virtualisation technology
- outline current industry hardware and software products, and their general features, capabilities and application
- recognise information-gathering techniques
- describe the environmental and sustainability policies of the workplace
- identify the features of virtualisation technology
- recognise how to test, and evaluate, virtualisation technology
- locate the appropriate sources of information regarding virtualisation technology.

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 network industry, and include access to:

- a site where industry-specific technologies may be used
- industry-specific technologies currently used in the industry
- documents detailing work health and safety (WHS) standards, environmental guidelines, and enterprise requirements
- the virtualisation software.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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