



Australian Government

ICTNWK434 Identify and implement industry standard virtualisation technologies

Release: 1

ICTNWK434 Identify and implement industry standard virtualisation technologies

Modification History

Release	Comments
Release 1	This version first released with ICT Information and Communications Technology Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to use virtualisation technology to review and demonstrate work processes, skills and techniques and to deliver quality across the entire business.

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

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 software	1.1 Determine desktop virtualisation software needs according to organisational requirements 1.2 Identify industry standard virtualisation vendors and different types of virtualisation technology 1.3 Review and select desktop virtualisation software according to organisational requirements
2. Install and test virtualisation software	2.1 Install desktop virtualisation software according to technical and organisational requirements 2.2 Test features and functions of desktop virtualisation software according to technical and organisational requirements

ELEMENT	PERFORMANCE CRITERIA
	2.3 Seek and respond to desktop virtualisation software performance feedback according to task requirements
3. Evaluate desktop virtualisation software performance	3.1 Review and document organisational benefits of desktop virtualisation software 3.2 Lodge review document according to organisational policies and procedures 3.3 Dispose redundant ICT equipment and store unused ICT equipment according to organisational policies and procedures

Foundation Skills

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

SKILL	DESCRIPTION
Learning	Contributes to the continuous improvement of current work practices, by applying basic principles of analytical and lateral thinking
Reading	- Critically analyses documentation from a variety of sources and records - Consolidates information to determine task requirements
Writing	Prepares, edits and proofreads required documents to ensure clarity of meaning, and the accuracy and consistency of information
Planning and organising	Takes responsibility for planning, sequencing and prioritising tasks and own workload, for efficiency and effective outcomes
Problem solving	Makes routine decisions and implements standard procedures for routine tasks, using formal decision-making processes, for more complex and non-routine situations
Self-management	- 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

Unit Mapping Information

Supersedes and is equivalent to ICTNWK419 Identify and use current virtualisation technologies.

Links

Companion Volume Implementation Guide is found on VETNet -

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

Assessment Requirements for ICTNWK434 Identify and implement industry standard virtualisation technologies

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Performance Evidence

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

- identify and implement at least one major virtualisation software technologies
- test output and performance of at least one major virtualisation software technologies
- document findings.

Knowledge Evidence

The candidate must be able to demonstrate knowledge to complete the tasks outlined in the elements, performance criteria and foundation skills of this unit, including knowledge of:

- industry standard trends and directions in Information and Communications Technology (ICT), in major industry technology standards used in virtualisation technology
- vendor product directions relating to virtualisation technology
- industry hardware and software products, their general features, capabilities and application
- technical information-gathering techniques
- environmental and sustainability policies of workplace
- features of virtualisation technology
- current standards of testing and evaluating virtualisation technology.

Assessment Conditions

Skills in this unit must be demonstrated in a workplace or simulated environment where the conditions are typical of those in a working environment in this industry.

This includes access to:

- a site where industry-specific technologies are used
- industry-specific technologies currently used in industry
- virtualisation software.

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

Links

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