Australian Government

ICTNWK559 Install an enterprise virtual computing environment

Release: 1

ICTNWK559 Install an enterprise virtual computing environment

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 develop and implement virtualisation technologies to implement and enhance the efficiency and reliability of the Information and Communications Technology (ICT) environment.

It applies to individuals working in senior networking roles, and responsible for increasing the sustainability of an organisation or similar environment.

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
Elements describe the essential outcomes.	*Performance criteria describe the performance needed to demonstrate achievement of the element.*
1. Determine enterprise virtual computing requirements	1.1 Analyse organisational virtual computing environment and determine organisational needs
	1.2 Assess existing organisational systems and determine suitability for virtualisation
	1.3 Determine and document required installation process and resources according to organisational requirements
2. Analyse the virtualisation host software	2.1 Determine virtualisation host software requirements
	2.2 Identify and compare industry standard virtualisation host software
	2.3 Determine and document recommended virtualisation host software and submit to required personnel

ELEMENT	PERFORMANCE CRITERIA
3. Evaluate system requirements	3.1 Obtain technical specifications, licensing and system requirements from virtualisation software vendors
	3.2 Evaluate and compare system requirements needed to implement virtualisation
	3.3 Determine and document recommendations and submit to required personnel
4. Plan and install the virtualisation host software	4.1 Prepare environment and initiate host software installation according to technical specifications
	4.2 Obtain and install virtualisation host platform according to technical specifications
	4.3 Test and validate functionality of virtualisation host platform against specifications
	4.4 Finalise reports and documentation and submit to required personnel

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	• Investigates new and innovative ideas, as a means by which to continuously improve, work practices and processes through consultation, formal and analytical thinking
Oral communication	• Uses collaborative and inclusive techniques, including active listening and questioning and the reading of verbal and non-verbal signals to convey and clarify information and to confirm knowledge
Reading	• Demonstrates critical analysis of documentation from a variety of sources and records and consolidates information, in order to determine requirements
Writing	• Prepares and produces dynamic material for a specific audience, using clear and detailed language in order to convey explicit information, requirements and recommendations
Teamwork	• Requests feedback and provides feedback to others, in order to improve self or workgroup behaviours
	• Recognises the diversity in people and manages this diversity to improve workplace relations and practices
Planning and organising	• Monitors the progress of plans and schedules and reviews and changes them, to meet new demands and priorities

SKILL	DESCRIPTION
Problem solving	• Identifies and resolves key business issues, processes and practices that may have legal implications • Makes critical decisions quickly and intuitively in complex situations, taking into consideration a range of variables, including the outcomes of previous decisions • Applies systematic and analytical decision- making processes for complex and non-routine situations
Self-management	• Takes full responsibility for following policies, procedures and legislative requirements and identifies the organisational implications of new legislation or regulation

Unit Mapping Information

Supersedes and is equivalent to ICTNWK535 Install an enterprise virtual computing environment.

Links

Companion Volume Implementation Guide is found on VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2