Australian Government

ICTNWK407 Install and configure client-server applications and services

Release: 1

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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 install, configure, maintain and support server-side applications as well as client applications on network workstations, in both Windows based and Linux based networks.

It applies to individuals working as network administrators and network support staff who implement the installation and configuration of client-server based software.

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 client -server software requirements	1.1 Select a client-server solution that best fits the desired outcome for a given scenario 1.2 Select hardware required to implement the client-server solution for the desired outcome 1.3 Select an appropriate host operating system for the client's server software
2. Obtain and configure server application software according to	2.1 Investigate the range of client-server products available for the desired outcome, including commercial and open source 2.2 Identify hardware requirements

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ELEMENT	PERFORMANCE CRITERIA
industry best practice	2.3 Identify available operating system platforms to host the client-server software
3. Install, configure, and manage services to meet business requirements	3.1 Install client-server software to both server and client hardware according to business guidelines
	3.2 Configure the client-server software according to vendor guidelines
	3.3 Monitor client-server performance to ensure performance, according to business requirements
	3.4 Manage the installation of upgrades and patches to the client-server software environment
	3.5 Backup and maintain client-server software
4. Assess configuration effect on overall network design	4.1 Identify appropriate utilities to monitor and determine network performance
	4.2 Create network performance benchmarks prior to and on completion of client-server software installation
	4.3 Compare benchmarks to assess performance effect on network after installation of client-server software
5. Test and sign off	5.1 Test operation of the client-server software to ensure client requirements are met
	5.2 Obtain sign-off from appropriate person

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, 3.1, 3.2	• Recognises and interprets technical and vendor-specific information to determine business requirements
Writing	4.2	• Develops material for a specific audience, using clear and detailed language in order to convey explicit information
Numeracy	4.2, 4.3	• Interprets numerical information to analyse memory, hard disk and performance requirements

Navigate the world of work	3.1, 3.2	• Recognises and follows explicit and implicit protocols, and meets expectations associated with own role
Interact with others	5.2	• Selects the appropriate form, channel and mode of communication for a specific purpose relevant to own role
Get the work done	1.1-1.3, 2.1-2.3, 3.1-3.5, 4.1, 5.1	• Uses logical planning processes and an increasingly intuitive understanding of context to identify relevant information to plan business operating system requirements • Reflects on the ways in which digital systems and tools are used, or could be used, to achieve work goals, and begins to recognise strategic and operational applications • Uses familiar digital systems and tools to access, organise, analyse and display relevant information • Troubleshoots configuration and operational requirements by recognising and anticipating an increasing range of familiar problems, their symptoms and causes

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
ICTNWK407 Install and configure client-server applications and services	ICANWK407A Install and configure client-server applications and services	Updated to meet Standards for Training Packages	Equivalent unit

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=a53af4e4-b400-484e-b778-71c9e9d6aff2