



Australian Government

ICTNWK428 Create scripts for networking

Release: 1

ICTNWK428 Create scripts for networking

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 undertake scripted programming tasks for networking related activities.

It applies to individuals with competent technical skills who are employed in network or systems administration roles.

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 write networking scripts	1.1 Determine and document problem and script solution requirements according to organisational requirements 1.2 Employ abbreviated software development cycle to script creation according to task requirements 1.3 Develop pre-emptive downtime solution algorithm according to task requirements 1.4 Develop a guaranteed to end algorithm according to task requirements
2. Create and implement code	2.1 Select and create clear and concise code according to task requirements 2.2 Implement selection, iteration and sequence to control script execution flow according to task requirements 2.3 Implement sequential file input and output and retrieve and

ELEMENT	PERFORMANCE CRITERIA
	store information 2.4 Seek and respond to script operation from user input according to task requirements
3. Implement operating system tools	3.1 Use searching and sorting tools to select information from logging output of operating system (OS) 3.2 Implement controls and demonstrate capability of script to maintain a log of operations 3.3 Register and run scripts with OS scheduling facility
4. Test and finalise script activities	4.1 Test script against design specification and task requirements 4.2 Identify and resolve scripting language bugs, syntactical, logical and design errors 4.3 Store unused materials and ICT equipment according to manufacturing specifications and organisational procedures 4.4 File documentation in required location according to organisational procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Oral Communication	Uses listening and questioning techniques to confirm information and requirements, communicate ideas and solutions, and gather feedback
Reading	Identifies and interprets technical material, organisational policy and regulatory information to determine job requirements
Writing	- Prepares user and technical documentation detailing process according to organisational procedures - Writes and edits code and technical data in a logical manner using required syntax

Unit Mapping Information

Supersedes and is equivalent to ICTNWK409 Create scripts for networking.

Links

Companion Volume Implementation Guide is found on VETNet -

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