



Australian Government

**Assessment Requirements for ICTNWK539
Design and implement integrated server
solutions**

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 6.0.

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:

- install and configure at least two integrated server solutions according to at least two produced integrated server design documents.

In the course of the above, the candidate must:

- produce design documents required to integrate multiple server operating systems for authentication, file sharing and security
- monitor and test the solution
- troubleshoot integration problems
- test and reconfigure network servers.

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:

- authentication methods and protocols, including:
 - lightweight directory access protocol (LDAP)
 - Kerberos
- industry standard network operating systems (NOS), including:
 - operating system help and support utilities
 - network file systems and sharing
- industry standard server applications, compatibility issues and resolution procedures, including:
 - error and event logging and reporting procedures
 - file and print management
 - high availability options for servers

- network service configuration and security
- industry standard performance monitoring tools and tuning options
- process of managing a project, including:
 - process or task management
 - task scheduling utilities
- troubleshooting tools and techniques, including network diagnostic utilities
- user authentication and directory services.

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 server installation may be conducted
- industry standard server specifications including:
 - multiple operating system platforms
 - cabling
- networked (LAN) computers
- server diagnostic software
- switching equipment
- client requirements
- workstations.

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

Links

Companion Volume Implementation Guide is found on VETNet -

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