



Australian Government

**Assessment Requirements for ICTNWK504
Design and implement an integrated server
solution**

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.

Performance Evidence

Evidence of the ability to:

- produce design documents to integrate multiple server operating systems for authentication, file sharing and security
- install and configure the integrated solution according to the produced design
- monitor and test the solution
- troubleshoot integration problems.

Note: If a specific volume or frequency is not stated, then evidence must be provided at least once.

Knowledge Evidence

To complete the unit requirements safely and effectively, the individual must:

- explain authentication methods and protocols, such as lightweight directory access protocol (LDAP) and Kerberos
- summarise compatibility issues and resolution procedures
- outline current network operating systems (NOS)
- describe current server applications, compatibility issues and resolution procedures
- list documentation required for networks
- outline error and event logging and reporting
- summarise file and print management
- explain file system security
- outline high availability options for servers
- summarise network file systems and shares
- outline network service configuration and security
- summarise operating system help and support utilities
- list and describe performance monitoring tools and tuning options
- describe the process of managing a project, including:

- process or task management
- task scheduling utilities
- explain troubleshooting tools and techniques, including network diagnostic utilities
- describe user authentication and directory services.

Assessment Conditions

Gather evidence to demonstrate consistent performance in conditions that are safe and replicate the workplace. Noise levels, production flow, interruptions and time variances must be typical of those experienced in the network industry, and include access to:

- a site where server installation may be conducted
- relevant server specifications such as:
 - multiple operating system platforms
 - cabling
- networked (LAN) computers
- server diagnostic software
- switching equipment
- client requirements
- workstations
- relevant regulatory documentation that affects installation activities.

Assessors must satisfy NVR/AQTF assessor requirements.

Links

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