



Australian Government

Assessment Requirements for ICTNWK619

Plan, configure and test advanced server-based security

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, configure and test network security on a medium sized network on at least one occasion.

In the course of the above, the candidate must:

- monitor the server for security breaches
- document requirements, processes and outcomes.

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:

- industry standard auditing and penetration testing techniques
- best practice procedures for implementing backup and restore
- industry standard cryptographic techniques
- procedures for error and event logging and reporting
- intrusion detection and recovery procedures
- industry standard network service configuration, including:
 - DNS
 - dynamic host configuration protocol (DHCP)
 - web
 - mail
 - FTP
 - server messages block (SMB)
 - network time protocol (NTP)
 - proxy

- network service security features, options, limitations and vulnerabilities
- planning, configuration, monitoring and troubleshooting techniques
- security protection mechanisms, security threats and risks
- server firewall configuration, monitoring and troubleshooting tools and techniques, including network monitoring and 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
- server specifications
- cabling
- networked (LAN) computers
- server diagnostic software
- switch
- WAN service point of presence
- regulatory documentation that impacts on installation activities.

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>