



Australian Government

Assessment Requirements for ICTNWK422 Install and manage servers

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 manage at least one server
- document and lodge outcomes and process.

In the course of the above, the candidate must:

- manage server operating system, including user accounts, file, network directory and print services
- perform backup and recovery
- update operating system and software
- troubleshoot server and network failures.

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 network hardware and software systems and their requirements, including:
 - network operating systems (NOS)
 - server applications including compatibility issues and resolution procedures
- desktop applications and operating systematic server installation and maintenance processes and procedures, including:
 - documentation skills for networks
 - error logging and reporting
- high availability options for file systems, including redundant array of independent disks (RAID) and replication
- network directory services and network service configuration options for performance tuning user authentication

- processes and procedures required to support and manage a server, including:
 - best practice for implementing backup and recovery procedures
 - boot process
 - operating system help and support utilities
 - operating system installation methods, including installation from CD or DVD, universal serial bus (USB) boot disk, network and script (automated install) printer management
- process and task management, including:
 - process termination
 - task scheduling utilities
- troubleshooting tools and techniques including:
 - network diagnostic utilities user account and password management.

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
- relevant server specifications including:
 - cabling
 - local area networked (LAN) computers
 - server diagnostic software
 - switch
- client requirements
- wide area network (WAN) service point of presence
- workstations
- relevant regulatory documentation that affects 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>