Assessment Requirements for ICTNWK401 Install and manage a server

Release: 1

Assessment Requirements for ICTNWK401 Install and manage a server

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:

- install and configure server
- configure network connectivity
- manage the server operating system, including user accounts, file, network directory and print services
- perform backup and recovery
- update operating system and software
- monitor and test server
- troubleshoot server and network failures.

Candidates should demonstrate competency in at least TWO different network operating systems.

Knowledge Evidence

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

- identify and describe current 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 systems
- recognise and describe basic 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
- specify and describe 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

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 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 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-b778-71c9e 9d6aff2