

Unit 634

Installing and configuring Windows based servers

UAN:	H/507/0335
Level:	3
Credit value:	11
GLH:	57
Aim:	This unit provides the skills and knowledge necessary to implement a core Windows Server infrastructure. A learner achieving this unit will have the ability to implement and configure Windows Server core services, such as Active Directory and the networking services. This unit is linked to the Microsoft Official Academic Course (MOAC) and Exam for Installing and Configuring Windows Server

Learning outcome
The learner will: 1. Be able to deploy Windows based servers
Assessment criteria
The learner can: 1.1 describe the features of a Windows based server 1.2 describe the server management tools 1.3 plan for a server installation 1.4 configure a server.

Range
tools (development, testing, connecting)

Learning outcome
The learner will: 2. Understand domain controllers
Assessment criteria
The learner can: 2.1 describe the structure of domain controller services 2.2 describe the purpose of domain controllers 2.3 explain how to install a domain controller.

Learning outcome
The learner will: 3. Be able to manage user accounts
Assessment criteria
The learner can: 3.1 manage accounts 3.2 delegate permissions 3.3 explain how to automate user account management.

Range
manage (create, configure, troubleshooting) accounts (user, group, computer)

Learning outcome
The learner will: 4. Be able to implement Internet Protocol (IP)
Assessment criteria
The learner can: 4.1 describe the TCP/IP protocol suite 4.2 describe IP addressing options 4.3 determine a subnet mask 4.4 configure IP options 4.5 troubleshoot IP options 4.6 describe the benefits of IPv6 4.7 describe the interoperability between IPv4 and IPv6.

Range
IP addressing options (IPv4, IPv6) subnet mask (subnetting or supernetting) Interoperability (Coexistence, transition)

Learning outcome
The learner will: 5. Be able to implement Dynamic Host Configuration Protocols (DHCP)
Assessment criteria
The learner can: 5.1 configure DHCP server roles 5.2 manage a DHCP database 5.3 manage the DHCP server role.

Range
configure (Also includes securing server role) server roles (Also includes scopes)

Learning outcome
The learner will: 6. Be able to implement Domain Name Systems (DNS)
Assessment criteria
The learner can 6.1 install DNS server services 6.2 configure DNS 6.3 manage DNS.

Range
manage (also includes DNS zones, creating host records and server cache)

Learning outcome
The learner will: 7. Be able to configure server storage
Assessment criteria
The learner can: 7.1 describe storage technologies 7.2 configure storage 7.3 configure shared files and folders 7.4 configure a printer pool.

Range
Configure storage (also includes resizing volumes, redundant storage space) Configure shared files and folder (a file share, shadow copies protection, security)

Learning outcome
The learner will: 8. Be able to manage group policy
Assessment criteria
The learner can: 8.1 manage group policy objects 8.2 describe server operating system security 8.3 configure software application restriction policies 8.4 audit system access .

Range
manage (also includes creating group policy objects, implementing a central store for administrative templates, security, restrict running of unauthorised software, a firewall with advanced security) system access (domain logs, file system access)

Learning outcome
The learner will: 9. Be able to implement server virtualization.
Assessment criteria
The learner can: 9.1 describe virtualisation technologies 9.2 configure a virtual machine 9.3 manage virtual machine storage 9.4 manage virtual networks
Range
manage (to also include configure)