

Unit	Digital Network Environments
Code	HD55 04
SCQF Level	6
SCQF Credit Value	6
Guided Learning Hours	40
Unit summary	This unit is about the typical contemporary digital network systems that the digital application specialist may encounter in business, including fixed, wireless and mobile networks. The successful candidate will understand the different types of networks and their features and benefits, including local and wide area networks and cloud-based systems.
Learning Outcomes The learner will be able to:	Assessment Criteria
1. Understand digital network media and topologies	1.1 Compare and contrast the main characteristics of peer-to-peer, local and wide area networks 1.2 Describe the services provided by digital networks 1.3 Explain the configuration of logical and physical network topologies 1.4 Explain the benefits and typical use of different network topologies 1.5 Describe the main hardware and software components of digital networks 1.6 Identify network security protocols and their function
2. Understand cloud computing concepts	2.1 Describe the benefits of cloud computing for business 2.2 Describe the features of cloud computing models 2.3 Explain how data security is ensured in cloud computing services
3. Connect to a network	3.1 Select and connect network components for a range of different networking scenarios including fixed, wireless and mobile devices 3.2 Set up a new user on a network system following organisational procedures 3.3 Set up the security controls required for a network user 3.4 Select and run suitable tests to make sure file and print sharing services are working as required
Additional information about the unit	
Guidance on approaches to assessment	Outcomes 1 and 2 can be assessed by knowledge test. Outcome 3 requires practical task-based assessment. Where possible this should be done in the workplace using live systems. Where this is not possible, it can be done in a controlled environment which replicates the workplace as far as possible.
Details of the relationship between the unit and relevant National Occupational Standards or other professional standards	This unit is based on the e-skills UK NOS ESKITU053: Manage the operation of digital systems See also ESKITP902301: Design of Network Architectures and Technology available from: <a href="http://nos.ukces.org.uk/">http://nos.ukces.org.uk/</a>
Location of the unit within the subject/sector classification system	6.1 IT User
Name of the organisation submitting the unit	The Tech Partnership