

ACCA5023 - Network Operating Systems and Services

Date of Submission: 3rd March 2026

Date of Feedback: 30th March 2026

Name of the Student: JOSHUA RHYS LONGHURST (2205415)

Overall Mark: 86 / 100

Engagement with Literature Skills

Total Marks: 11 out of 17

Comments: To achieve high marks, you should use a wide range of recent, credible academic and industry sources, summarise all required topics clearly, demonstrate critical appraisal throughout, and apply accurate referencing consistently.

- The basic requirement has been met, but the work remains limited in quality and coverage in:
 - + Referring to diverse sources and materials for literature
 - + Critically appraising literature throughout the report
 - + More diverse academic credible literatures could have added value to the work More critical appraisals required
- A good attempt that meets the expected standard but could be developed further in:
 - + Summarising literature across hypervisor, IP addressing, routing, and network services
- Outstanding performance with excellent depth, accuracy, and professionalism in:
 - + Applying appropriate referencing conventions throughout the report

Knowledge and Understanding Skills

Total Marks: 17 out of 20

Comments: To achieve high marks, you should demonstrate strong understanding of hypervisors, IP addressing, routing, and network services, linking theory to the scenario with relevant examples, reflection, and diagrams where required.

- A strong submission demonstrating clear understanding and effective application in:
 - + Discussing hypervisor architecture, features, advantages, hardware requirements, scalability, security, and compatibility
 - + Reflecting on routing concepts, role, purpose, static and dynamic approaches, and their key differences
 - + Reflecting on network services including VPN, DHCP, AD DS, and AD CA
- Very strong work with only minor improvements needed in:
 - + Reflecting on IP addressing, IPv4/IPv6, subnetting, efficient utilisation, and diagrams

Cognitive and Intellectual Skills

Total Marks: 10 out of 10

Comments: To achieve high marks, you should justify technical choices with concrete evidence and show logical, critical analysis when diagnosing and troubleshooting issues such as IP conflicts, DNS resolution, and firewall configuration.

- Outstanding performance with excellent depth, accuracy, and professionalism in:
 - + Justifying the choice of hypervisor using concrete evidence and strong arguments
- Very strong work with only minor improvements needed in:
 - + Critically analysing and justifying troubleshooting related to IP conflicts, DNS, firewall, diagnosis, and resolution
 - + Troubleshooting addressed well

Practical Application Skills

Total Marks: 41 out of 45

Comments: To achieve high marks, you should present a well-implemented topology, consistent timestamped evidence, accurate configuration, appropriate naming conventions, and clear testing that proves both expected connectivity and failure outcomes.

- Outstanding performance with excellent depth, accuracy, and professionalism in:
 - + Setting up the network topology with screenshots, annotations, and timestamps
- Very strong work with only minor improvements needed in:
 - + Configuring IP addressing appropriately and completing the required inputs
 - + Carrying out testing steps to prove network connectivity
- A reasonable attempt showing basic understanding, though depth and detail are limited in:
 - + Naming the client and server appropriately
 - + The Client's name was not documented

Transferable Skills for Life and Professional Practice

Total Marks: 7 out of 8

Comments: To achieve high marks, you should present your work professionally, structure it clearly, align it to the task brief, and include clear technical and personal reflection showing learning, professionalism, and communication skills.

- Very strong work with only minor improvements needed in:
 - + Maintaining report flow, structure, professionalism, grammar, completeness, presentation, and IEEE format
 - + Presenting clear personal and technical reflection aligned to the task document

Overall Summary

Overall, this was a strong submission, particularly in literature summaries, referencing, hypervisor discussion, IP addressing reflection, routing reflection, network services reflection, hypervisor justification, troubleshooting analysis, network setup, IP configuration, network testing, report presentation, reflection.

To improve further, more consistent depth and precision could be developed in the use of diverse sources, critical appraisal, naming conventions.