

Network Operating Systems and Services ACCA5023

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Name of the Student: NAOD HABTOM (2306565)

Overall Mark: 51

The work demonstrates some good technical achievement, particularly in the routing and remote access configuration and domain controller setup, which were completed well. However, although tasks such as disk mounting, IIS, Remote Desktop, and file sharing were attempted, you were not able to clearly explain or justify the configurations during the demonstration. It is important not only to implement a solution, but also to understand where and how it has been configured and to explain its purpose confidently. File sharing was completed, but the permissions were not assigned adequately or specifically to the required users/groups. Overall, the work shows practical effort, but greater technical understanding, clearer explanation, and more appropriate access-control configuration are required.

Knowledge and Understanding Skills

Total Marks: 8 out of 15

Comments: You are expected to demonstrate sound understanding of core server services, including shared storage, IIS authentication, and Remote Desktop access. Configurations should show awareness of how these services operate across Swansea and London networks and how they support secure, functional domain-based infrastructure.

+ A reasonable attempt showing basic understanding, but the response requires more detail, clarity, and evidence in a second disk drive should be mounted and shared as e:\swanseafiles. the shared drive must be accessible from both swansea and london networks, showing that the student understands cross-network file sharing and domain-based access.

+ A reasonable attempt showing basic understanding, but the response requires more detail, clarity, and evidence in iis should be installed and configured with a website named webs.yourname.acca. windows/internal authentication should be enabled, anonymous access should be disabled where appropriate, and the site should be accessible to authenticated domain users..

+ IIS Server configured

+ This area requires improvement, as the work does not yet demonstrate sufficient depth, accuracy, or completeness in remote desktop access should be enabled and correctly configured on s-dc. other machines in the network should be able to access the server remotely, with suitable firewall rules and authentication in place..

Cognitive and Intellectual Skills

Total Marks: 6 out of 15

Comments: To achieve High-mark you are expected to apply problem-solving and technical judgement when configuring permissions, authentication, certificates, and remote access. Work should demonstrate the ability to interpret requirements, make appropriate configuration decisions, troubleshoot issues, and justify secure solutions across the networked environment.

+ A reasonable attempt showing basic understanding, but the response requires more detail, clarity, and evidence in the shared folder should apply appropriate ntfs and share permissions. specified domain users or users from users_list_updated.xlsx should have full control, while other network users should have read-only access. permissions should be secure and correctly tested..

+ File sharing has been configured; however, the permissions have not been assigned adequately. Access rights should be reviewed and applied more appropriately, ensuring that users and groups have permissions aligned with their required level of access, such as read-only or read/write for Domain Users.

+ A reasonable attempt showing basic understanding, but the response requires more detail, clarity, and evidence in all listed/domain users should authenticate successfully to the iis website and be presented with the message: "welcome to swansea website". this should demonstrate correct authentication, dns resolution, website binding, and access control configuration..

+ IIS Server has been configured and is functional; however, further refinement is required around internal authentication. Greater focus should be placed on authentication settings, DNS resolution, site bindings, and access control to ensure the service meets the expected security and accessibility requirements.

+ No meaningful attempt has been made to address the remote desktop services login page should be accessible through the required https address, such as https://rds.yourname.acca. appropriate certificates should be created, signed, trusted, and applied to support secure access..

Practical Application Skills

Total Marks: 31 out of 55

Comments: High marks require successfully implement the required infrastructure services, including routing, RRAS, VPN, domain controller, DNS, DHCP, domain membership, disk mounting, and network testing. Configurations should be functional, secure, persistent, and aligned with the given technical requirements and industry best practice.

+ Exceptional work demonstrating outstanding depth, accuracy, and professionalism in rras should be installed and configured correctly in the swansea network. firewall rules should be modified to allow required traffic, including icmp where needed, while maintaining appropriate security controls..

- + No meaningful attempt has been made to address ip forwarding and routing should be configured persistently on the london network so that routing remains functional after restart. routes should correctly support communication between the required networks..
- + Can't check the Linux or Windows Client as it was not shown during demo
- + Exceptional work demonstrating outstanding depth, accuracy, and professionalism in s-dc should be configured as a domain controller for the yourname.acca forest/domain. the configuration should include appropriate domain setup, secure password policy, and correct ad environment preparation..
- + Exceptional work demonstrating outstanding depth, accuracy, and professionalism in dns should include correct a records for servers in both swansea and london networks. reverse lookup zones and ptr records should also be configured to support forward and reverse name resolution..
- + This area requires improvement, as the work does not yet demonstrate sufficient depth, accuracy, or completeness in a site-to-site vpn should be configured between swansea and london networks. the connection should be persistent, secure, and tested to confirm successful communication between both networks..
- + VPN has been installed and partially configured; however, the configuration is not persistent. Further work is required to ensure the VPN connection remains active after restart and provides consistent connectivity between the required networks.
- + No meaningful attempt has been made to address l-cd, clients1, and clientl1 should be successfully joined to the yourname.acca domain. devices should authenticate with the domain and appear correctly in active directory..
- + No devices joined the domain
- + This area requires improvement, as the work does not yet demonstrate sufficient depth, accuracy, or completeness in user accounts should be created based on users_list_updated.xlsx. the sam account name should follow the required format: first initial, dot, last name, for example n.kaliyamurthy. powershell-based bulk creation is highly encouraged..
- + A limited number of users were added manually, and PowerShell scripting was not used to automate the process as required. This does not fully meet the assessment expectation for bulk user creation and demonstrates limited alignment with the specified requirements.
- + Excellent work demonstrating very strong understanding, accuracy, and effective application in s-dc should be configured as the dhcp server with the correct scope range, such as x.x.x.10 to x.x.x.20. dhcp options such as gateway, dns server, and domain name should be correctly configured..
- + No meaningful attempt has been made to address l-cd should be configured as a dhcp relay server so that london clients can receive ip addresses from the dhcp server in swansea. relay configuration should be tested successfully..
- + No DHCP Relay configured
- + Excellent work demonstrating very strong understanding, accuracy, and effective application in a second disk should be correctly added, formatted, and mounted to e:\swanseafiles. the mounted drive should be stable after restart and ready for file sharing configuration..

+ This area requires improvement, as the work does not yet demonstrate sufficient depth, accuracy, or completeness in you should test connectivity, dns resolution, routing, vpn, dhcp allocation, website access, shared drive access, and remote desktop access. evidence of troubleshooting and successful validation should be provided..

Transferable Skills for Life and Professional Practice

Total Marks: 6 out of 15

Comments: You are expected to present your work professionally, communicate technical concepts clearly, and evidence their development of practical networking and server administration skills. Documentation, organisation, clarity of explanation, and effective presentation of completed tasks should reflect professional standards.

+ This area requires improvement, as the work does not yet demonstrate sufficient depth, accuracy, or completeness in you should demonstrate professional development by completing tasks independently, applying new technical skills, and clearly explaining configurations, decisions, troubleshooting steps, and outcomes to technical and non-technical audiences..

+ Although the network services were installed and partially configured, the explanation and justification of the underlying concepts lacked sufficient clarity. Greater focus is needed on demonstrating technical understanding, explaining configuration choices, and clearly linking the implementation to the assessment requirements.

+ This area requires improvement, as the work does not yet demonstrate sufficient depth, accuracy, or completeness in the final submission should be clearly structured, technically accurate, and professionally presented. screenshots, explanations, testing evidence, and reflections should be organised logically and written with clarity..