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| Student Name |  | | Student Number | |  |
| Unit Code/s & Name/s | ICTNWK539 Design and implement integrated server solutions  ICTNWK540 Design, build and test network servers | | | | |
| Cluster Name  *If applicable* | Server | | | | |
| Assessment Type | Assignment  Project  Case Study  Portfolio  Third Party Report (Workplace)  Third Party Report (Peer)  Other | | | | |
| Assessment Name | Implementing Server Solutions | | Assessment Task No. | | 3 of 3 |
| Assessment Due Date | Week 8 | | Date Submitted | | / / |
| **Assessor Feedback:** | | | | | |
| **Attempt 1** | Satisfactory | Unsatisfactory | | Date | / / |
| Assessor Name |  | | Assessor Signature | |  |
| **Student provided with feedback and reassessment arrangements**  *(check box when completed)* | | | Date scheduled for reassessment | | / / |
| **Attempt 2** | Satisfactory | Unsatisfactory | | Date | / / |
| Assessor Name |  | | Assessor Signature | |  |
| Note to Assessor: Please record below any reasonable adjustment that has occurred during this assessment e.g. written assessment given orally. | | | | | |
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| Assessment Criteria / Benchmarks  ***The evidence submitted demonstrates that the student has satisfactorily:*** | Attempt 1 | | Attempt 2 | |
| **Date**  \_\_/\_\_/\_\_ | | **Date**  \_\_/\_\_/\_\_ | |
| Y | N | Y | N |
| 1. Completed the risk assessment |  |  |  |  |
| OBSERVATION CHECK LIST |  |  |  |  |
| 1. **Server and workstation Installation:** Built two server integration solutions by performing the following tasks and according to the designed done in assessment task 2 |  |  |  |  |
| 1. Observed all WHS policy and procedures for the work site |  |  |  |  |
| 1. Obtained an industry standard physical servers or created virtual servers with industry standard specifications |  |  |  |  |
| 1. Installed Windows 2019 Operating system and at least one other OS |  |  |  |  |
| 1. Connected at least one server to the internet using existing switch and network infrastructure |  |  |  |  |
| 1. Installed applications at least in one server or updated at least one server OS from the internet |  |  |  |  |
| 1. Installed and configured a physical/virtual desktop workstation that will be part of the domain |  |  |  |  |
| 1. Configured IP addresses on all the servers and workstation and connected them to a network using physical or virtual switch |  |  |  |  |
| 1. **Server Configuration:** Configured two server integration solutions by performing the following tasks and according to the designed done in assessment task 2 |  |  |  |  |
| 1. Installed Active directory and created domain controller. Used <your\_first\_name>anzac.com as the domain name. (e.g. tonyanzac.com) |  |  |  |  |
| 1. Joined all the servers including Non Windows servers to the domain |  |  |  |  |
| 1. Joined Workstation to the domain |  |  |  |  |
| 1. Created Active directory OUs, users (at least 2) and groups according to the design |  |  |  |  |
| 1. Configured the following network Services according to your design options |  |  |  |  |
| 1. DHCP |  |  |  |  |
| 1. DNS |  |  |  |  |
| 1. Windows server Update Services (WSUS) to auto update |  |  |  |  |
| 1. Backup and restore files/volumes |  |  |  |  |
| 1. Folder structure assign permission according to the design |  |  |  |  |
| 1. Windows Firewall to disable ping and Linux firewall to enable communication with applications |  |  |  |  |
| 1. File/Folder sharing between different server platforms |  |  |  |  |
| 1. Printers and deployed using group policies |  |  |  |  |
| 1. Proxy server |  |  |  |  |
| 1. NTP Server |  |  |  |  |
| 1. Configure following applications according to your design options |  |  |  |  |
| 1. WEB |  |  |  |  |
| 1. Mail |  |  |  |  |
| 1. FTP |  |  |  |  |
| 1. Diagnostic software |  |  |  |  |
| 1. **Testing and Troubleshooting:** Done in two server integration solutions by performing the following tasks and according to the designed done in assessment task 2 |  |  |  |  |
| 1. Connectivity tests done |  |  |  |  |
| 1. Tested connectivity of integrated servers by using the ping command from the desktop (before and after disabling by the firewall) |  |  |  |  |
| 1. Tested Email by sending and receiving mail |  |  |  |  |
| 1. Tested WEB connectivity |  |  |  |  |
| 1. Tested FTP with large files and concurrent users |  |  |  |  |
| 1. Tested login from non-Windows server with an AD user that you created |  |  |  |  |
| 1. Performance tests done |  |  |  |  |
| 1. Tested and monitor performance of each server using industry recognised network utilities |  |  |  |  |
| 1. Ran installed diagnostic software and produced a report |  |  |  |  |
| 1. Availability tests done |  |  |  |  |
| 1. Tested system and data availability according to file/folder permission specified in your design document |  |  |  |  |
| 1. Tested folder sharing between different server platforms |  |  |  |  |
| 1. Backed up a Windows storage volume and restored in another server |  |  |  |  |
| 1. Diagnosed, troubleshot and reconfigured any integration problems |  |  |  |  |
| 1. Analysed the issues you documented in issues in the test plans ICTNWK539\_540\_Test\_Plan\_yourname.docx and identified the issues |  |  |  |  |
| 1. Diagnosed the errors, resolved them and documented them in ICTNWK539\_540\_Trouble\_shooting\_yourname.docx |  |  |  |  |
| 1. Tested the changes made to correct the issues and checked the compliance with your design |  |  |  |  |
| POST INSTALLATION TASKS |  |  |  |  |
| 1. **Post Installation tasks:** |  |  |  |  |
| 1. Documented the server configuration and status in ICTNWK539\_540\_Report\_yourname.docx and submitted |  |  |  |  |
| 1. Written an email to address the following at the end of the document ICTNWK539\_540\_Report\_yourname.docx |  |  |  |  |
| 1. To convey the status of servers (as a report you created) |  |  |  |  |
| 1. Sign off |  |  |  |  |
| 1. Clean-up and restoration of worksite to client’s satisfaction |  |  |  |  |