

School of Computing
ST2612 Securing Microsoft Windows

Common Active Directory Configurations

1.0 INTRODUCTION

This assignment constitutes part of your in-course assessment (20%). Please spend some time to research materials outside your textbook to complete this assignment.

2.0 OBJECTIVES

The learning objectives of this assignment is to research into the topics that relate to Windows Server and Active Directory operations and to make a 10-minute demonstration of what you have gathered to the tutor.

3.0 INSTRUCTIONS

3.1 This is an individual assignment.

3.2 The deliverables are:

- Individual Report.
- A 10-minute demonstration.

3.3 Written Report Submission.

To be submitted through Blackboard by Monday, 9pm, 10th Aug 2020 (Week 17).

3.4 Demonstrations will be done during practical time on Week 17/Week 18.

3.5 Take note of the “SOC – Policy on Late Submission of Assignments”. 50 marks will be deducted for every working day late submission. Assignments will not be accepted after more than 2 working days after the due date.

4.1. The tasks

Each student may select and carry out one operational task from the following:

4.1.1 Operational tasks for demonstration:

- Setting up a domain network which comprises with at least two DNS servers.
- Setting up a distributed file system service in your domain. (at least two member servers with DFS service)
- Setting up a domain which comprises with at least two domain controllers.

4.1.2 What is the requirement of your demonstration:

You are not expected to carry out any installation nor configuration during demonstration. You have to prepare your system for the operational demonstration only.

In the 10-minute demonstration, you must show the key elements of the operational task you have carried out.

Key elements refer to the part of the task that have significant operational and/or security implications.

For example, the following list shows one key element for each of the task.

- For the two DNS operations: Only authorized secondary DNS can request for Zone transfer operation from the primary DNS.
- For the DFS operations: As long as one DFS server is online, the clients can retrieve and update the files from DFS folder. (To ensure availability)
- For the domain controller operations: As long as one DC is online, the Directory Service remains available for all domain clients.

4.1.3 The requirement of the written report:

- The written report is required to provide a step by step procedure (setup guide) for the operational task you have carried out.
- Your written report should list all the prerequisite, assumptions and the network configuration of your setup.

- In this report, you are required to provide an agenda which outlines the plan/flow, testing data set, and/or any assumptions of your demonstration. You must base on this agenda to conduct your demonstration.

5.0 MARKING SCHEME

Written report	
Structure and Completeness (4.1.3)	15%
Readability and Correctness	30%
Relevant Reference	5%
Demonstration	
Preparation and Presentation Flow (w/ key elements?)	10%
Correctness and Completeness	30%
Q and A (During Demonstration)	10%
Total	100%

Warning: Plagiarism - anyone found plagiarising in this assignment would be penalised.

~ The End ~