OSYS1200 Final Project

**Final Project:** Enterprise computers and remote management.

**Required Resources**

* Microsoft Windows 10 Configuring Windows Devices (Textbook) by Byron Wright & Leon Plesniarski Windows 10 Desktop Workstation from Previous Assignments.
* Windows Server 2016 Standard ISO (Azure Software Portal)

**Additional Information**

Professional Documentation - All documentation must be done in a **professional style**. It must include:

* Title page
* Updateable Table of Contents
* Document introduction
* Section introductions
* Document summary
* ALL sources and graphics used MUST be properly cited (APA) or credited.

\*All scripts must be converted to text before embedding them in your documentation.\*

***NB: Citations – Remember that citations MUST be provided for any code, script, test or image copied from another source or used as a resource. Not attributing appropriately (Plagiarism) or using illegal or unlicensed copies (copy write breach) are serious academic offenses. If you have any doubt as to when or how to cite, consult with your instructor and the resources provided by the college.***

<http://www.nscc.ca/docs/about-nscc/policies-procedures/policy-studentcodeofconduct.pdf>

**Evaluation:**

This assignment is worth a total of **40 Marks** as per the rubric on Brightspace

**Marking and Assignment Notes:**

* Assignment **documentation** MUST be uploaded to Brightspace by 5:00pm on your assignment due date to avoid late penalties.
* **Automatic mark of 0 - Assignment not submitted or work not original.**
* There is no in-class marking for this project. All marking is based on the professional documentation you submit.
* I **STRONGLY** urge you to check the rubric throughout the project to ensure you include all the required screenshots and information in your professional documentation

There can be no extensions to the Final Project, the due date is the Deadline, anything submitted after 5:00pm on the final day will be marked as a zero. No Exceptions accepted.

**Task 1**

Complete **Activity 13-­‐1: Installing a Domain Controller** in the textbook. See page 482.

* Install **Windows Server 2016 Standard**; use an .iso from the Azure software portal
* Use the key for the server you received from the Azure software portal
* Use correct naming standards for Virtual machine, Computer etc.
* Make the following changes to **Step 16 and 17**.
  + Server IP = 192.168.208.10
  + NetMask = /24
  + Gateway = 192.168.208.2
  + Primary DNS = 192.168.208.10
  + Secondary DNS = Loopback Address
* **Step 22** – Follow the Naming Standard
* Complete an Install/Change Management Log for your Domain Controller

**Task 2**

* Complete **Activities 13-­‐2, 13-­‐3, 13-­‐4, 13-­‐5, and 13-­‐6** in the textbook, on pages 485 to 492
* Complete a Change Management Report for each of the changes or configurations required for the activities you complete above.

**See the next page for hints if you are stuck**

**13-3 Joining a Domain**

Issue: Unable to see the ‘Join a Domain’ button where the textbook states it should be?

Hint: Think back to assignment 1 when we joined our Windows 10 virtual machine to a workgroup. You can join a domain from the same screen…

---------------------------------------------------------------------------------------------------------

Issue: When joining the domain, the Windows 10 virtual machine is unable to locate the domain controller.

Hint: Check your network settings on your Windows 10 machine and compare to your server. Depending on where you are running the machines from, they may be on different networks. Modify the network settings for your Windows 10 virtual machine so it’s on the same network as the Windows Server virtual machine but be sure to give it a unique IP address…

---------------------------------------------------------------------------------------------------------

**13-5 Generating a Report for GPO Troubleshooting**

Issue: The command provided in the textbook to open the created report doesn’t work when running the command in PowerShell

Hint: Try the same command in the command prompt, or read the error provided in PowerShell which states how to resolve the issue

---------------------------------------------------------------------------------------------------------

**13-6 Configuring Group Policy Preferences**

Issue: I have configured the mapped drive, ran ‘Gpupdate’ but the drive does not appear in File Explorer

Hint: Look at the drives you created earlier in the course. One of them has been assigned the S letter already. A drive letter can only be mapped to one drive – think through how you will resolve that conflict…