Saint Louis University
School of Computing and
Information Sciences
BS Information Technology

Network Technology with
Administration and
Maintenance
2nd Semester SY 2016 - 2017

16

Objectives

1. Add a DNS server.
2. Add 2 Web Servers.
3. Add 1 PC-PT.
4. Configure and verify basic device configurations
5. Verify end-to-end connectivity

Equipment

- Use your Laboratory Exercise 14 equipment and file
- 3 Server PTs
- 1 PC-PT

Task 1: Add a DNS Server.

- Add a Server-PT
- Configure it as a DNS Server – dns.slu.edu.ph
- It should be located in Silang Bldg.

Task 2: Verify connectivity between the DNS Server and the different PCs.

Source	Destination	Result			
DNS Server	PC-A1	○	Fail	○	Successful
DNS Server	PC-A2	○	Fail	○	Successful
DNS Server	PC-A3	○	Fail	○	Successful
DNS Server	PC-A4	○	Fail	○	Successful
DNS Server	PC-B1	○	Fail	○	Successful
DNS Server	PC-B2	○	Fail	○	Successful
DNS Server	PC-B3	○	Fail	○	Successful
DNS Server	PC-B4	○	Fail	○	Successful

Task 3: Add a Web Server.

- Add a Server-PT
- Configure it as a WEB Server – www.myslu.edu.ph
- Change the Welcome message to "Welcome to My Virtual Learning – Offline version"
- It should be located in Silang Bldg.

Task 4: Verify connectivity between the DNS Server, the Web Server, and the different PCs. To determine connectivity between Web Server and PCs, use the browser.

Source	Destination	Result			
PC-A1	Web Server – www.myslu.edu.ph	○	Fail	○	Successful
PC-A2	Web Server – www.myslu.edu.ph	○	Fail	○	Successful
PC-A3	Web Server – www.myslu.edu.ph	○	Fail	○	Successful
PC-A4	Web Server – www.myslu.edu.ph	○	Fail	○	Successful

PC-A5	Web Server – www.myslu.edu.ph	○	Fail	○	Successful
PC-B1	Web Server – www.myslu.edu.ph	○	Fail	○	Successful
DNS Server	Web Server – www.myslu.edu.ph	○	Fail	○	Successful
PC-B2	Web Server – www.myslu.edu.ph	○	Fail	○	Successful
PC-B3	Web Server – www.myslu.edu.ph	○	Fail	○	Successful
PC-B4	Web Server – www.myslu.edu.ph	○	Fail	○	Successful

Task 5: Add a Web Server.

- Add a Server-PT
- Configure it as a WEB Server – www.i.slu.edu.ph
- Change the Welcome message to an appropriate message from iSLU Homepage.
- It should be located in Hahn Bldg.

Task 6: Verify connectivity between the DNS Server, the Web Servers, and the different PCs. To determine connectivity between Web Server and PCs, use the browser.

Source	Destination	Result
PC-A1	Web Server – www.i.slu.edu.ph	
PC-A2	Web Server – www.i.slu.edu.ph	
PC-A3	Web Server – www.i.slu.edu.ph	
PC-A4	Web Server – www.i.slu.edu.ph	
PC-A5	Web Server – www.i.slu.edu.ph	
PC-B1	Web Server – www.i.slu.edu.ph	
DNS Server	Web Server – www.i.slu.edu.ph	
PC-B2	Web Server – www.myslu.edu.ph	
PC-B3	Web Server – www.myslu.edu.ph	
PC-B4	Web Server – www.myslu.edu.ph	

Task 7: Add a PC-PT.

- Add a PC-PT
- Configure it as S428 Laboratory
- It should be located in Silang Bldg.

Task 8: Save the Topology

- Format : <Lastname_Class code>_Laboratory 16
- *Make sure to strictly follow the naming convention*
- *For students with the same lastname, kindly use the format : <LastnameInitial_Class code>_Laboratory 16*

Task 9: Upload your exercise file.

- Using our offline version – myvle.slu.edu.ph, upload your file.

Task 10: Kindly write down your configuration for each Server-PT

Host	Gateway	MAC Address	IP Address	Subnet Mask
DNS Server				

Web Server – www.myslu.edu.ph				
Web Server – www.i.slu.edu.ph				
PC-PT4				

Task 11: Diagram Your Network

- Kindly sketch and label your diagram

Criteria		Score	
1. Proper use of devices and equipment.	5		
2. Followed prescribed specifications.	5		
3. Correct configuration of devices.	5		
4. Devices are functioning per specification and configuration	10		
5. Laboratory activity generated the required output.	15		
6. Finished activity within time-frame.	5		
Total	45		