

Faculty of Engineering and Technology
Electrical and Computer Engineering Department
Computer Networks Laboratory ENCS4130

Lab Experiment Name and number

Prepared by

Partners (IF Exists)

Instructor

Teacher assistant

BIRZEIT

June - 2018

NO NUMBERING FOR THE COVER PAGE

Abstract

One paragraph describes the experiment in general, its purpose and its main goals and ideas.

Notes:

- o Abstract should be in a separate page.
- o No heading numbering for Abstract.
- o You need to mention experiment, deliverables, tool you used, etc.

Notes:

- o Auto generated by Microsoft Word → References → Table of Content.
- o IF any change is made just update the tables below.
- Abstract, Table of Figures, Table of Content and Acronyms and Abbreviations are not included in the Table of Content.
- o Note the Main Section / Chapter Numbering <u>and</u> Chapter sub sections numbering.

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Acronyms and Abbreviations

OSPF Open Shortest Path First

BGP Border Gateway Protocol

List of Figures

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Figure Numbering convention: Chapter Number followed by Figure Number. This autonumbering can be done using Microsoft Word

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Table 2-2 This is the number and the name.	
Table Numbering convention: Chapter Number followed by Table Number	This auto-
numbering can be done using Microsoft	Word

1. Introduction

One to two pages explaining the experiment theory (should have references for the information in it). [1]

ADD **IMAGES SHOWN BELOW** IF YOU HAVE **IMAGES** ADD. as to **Numbering** conversion: **Figure ChapterNumber.FigureNumber: Description** IMPORTANT:: You Need to mention any Figure/Table you added in the paragraph that belong to it. E.g., Figure 1.1 illustrate number one graph ..



Figure 1-1 Number one graph [2]

1.1. First Section

Information related to this section. [2]



Figure 1-2 Number two graph [3]

1.1.1. First subsection in Section 1

Information related to this section. [2]

1.1.2. Second subsection in Section 1

Information related to this section. [1]

1.2. Second Section

New topic information. [1]



Figure 1-3 Number three [2]

2. Procedure and Discussion

Networks IP addresses should include the least significant two digits of your **Student ID**, e.g., In the student ID: 1161378, 192.x.10.0/24 - x: must be replaced by 78

(You can do the sections numbers **[from the headings above**) make the normal text as normal style and the headings as heading style (You do not need to number the sections by hand, only make as heading style and it will be numbered automatically)

list and explain the steps you performed in the lab.

If the instructor gave you a network topology then use it instead of the experiment topology. Otherwise you should use the experiment network topology.

Note to Ayham Sections → Use either ToDo or experiment topology and make sure to include your University ID in the networks as mention in the first line above.

DON'T TAKE SCREENSHOTS FOR THE COMMANDS. Write them as a text.

Show the time stamp in the whole topology screenshot.

2.1. First Idea made in the lab

2.1.1. First thing made on this idea

In this section we discuss the...

Table 2-1 This is the table number and name.

Router3 Interfaces				
Interface IP address		Subnet Mask	Wildcard Mask	
Se2/0	192.168.20.6	255.255.255.252	0.0.0.3	
Se3/0	192.168.20.14	255.255.255.252	0.0.0.3	
Fa0/0	192.168.30.129	255.255.255.128	0.0.0.127	
LoopBack1	172.16.0.1	255.255.255.0	0.0.0.255	
LoopBack2	172.16.1.1	255.255.255.0	0.0.0.255	

Explanation and the output

2.1.2. Second thing made on this idea

This section explains ...

2.2. Second idea made in the lab

Another idea made in the lab was ...

2.2.1. First thing made on this idea

Table 2-2 illustrate ...

Table 2-2 This is the number and the name.

All Networks in the Topology				
Area	IP Address	IP Address Subnet Mask		
Area0	192.168.20.0	255.255.255.252	0.0.0.3	
	192.168.20.4	255.255.255.252	0.0.0.3	
	192.168.20.8	255.255.255.252	0.0.0.3	
	192.168.20.12	255.255.255.252	0.0.0.3	
	192.168.30.	255.255.255.128	0.0.0.127	
Area1	172.16.0.0	255.255.255.0	0.0.0.255	
	172.16.1.0	255.255.255.0	0.0.0.255	
	192.168.30.128	255.255.255.128	0.0.0.127	
Area1	192.168.10.0	255.255.255.0	0.0.0.255	

No need to attach a photo that clarify each PC IP address, one is enough and add the other to table

2.2.2. Second thing made on this idea

. . .



Figure 2-1 Result or screenshot on this section

2.3. Third idea made in the lab

In this part we discussed ...

Mentioning Figure in Paragraph Example: Figure 2-2 demonstrate ... explanation ...

You need to do that for each figure and Table you attached.



Figure 2-2 Naming of this figure

3. Results

[For Example, Ping between the PCs – Show the PC Timestamp (Date & Time)]

You must comment on the result (Don't attach screen shots only without clarification), write what you expected, what you found, etc.

- 3.1. Section 1
- 3.2. Section 2
 - 3.2.1. Section 2 first idea
 - 3.2.2. Section 2 second idea

4. Post Lab/Problem/Assignment

If there is a post lab work required put it in this section else if not then don't include this section in your report.

Note to Ayham Sections \rightarrow You can ignore this section, I will not considering it in correcting your report.

- 4.1.
- 4.2.
 - 4.2.1.
 - 4.2.2.
- 4.3.

5. Conclusion

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6. References

- wikipidia, "wikipidia," 8 june 2016. [Online]. Available: www.r.com. [Accessed 10 october 1] 2018].
 - M. Mitchell, An Introduction to Genetic Algorithms, London, England: MIT press, 1998.

2]

- N. Panwar, S. Shantanu and A. K. Singh, "A Survey on 5G: The Next Generation of Mobile 3] Communication," *Physical Communication*, vol. 18, no. 3, pp. 64-84, 2016.
- E. Seidel, "Carrier Aggregation Based Interference Coordination for LTE-A Macro-Pico 4] HetNet," *Nomor Research GmbH*, vol. 77, no. 4, pp. 1-6, 2013.

You shall use Microsoft Word Citation.

You need to add the access time stamp for each reference.

7. Appendices

Information that is too detailed. You need to add a subsections: Appendix A, Appendix B, etc. IF you don't have, don't include this section in your report.

General Notes

- Pages numbering is very important.
 - o No numbering for the cover page.
 - o After cover page till Theory/Introduction (Not included): **Roman Numeral**
 - o **Normal numeral**: From Theory/Introduction to the end of the report.
- Standard font type: Times New Roman
- Font Size: 11
- Any main title must be **Heading 1**
- The **subtitle** must be **Heading 2**, the **sub-subtitle** must be **Heading 3** and so on...
- Anything used from outside must be referenced and it must be added in the references part with the access Time Stamp.
- Any Screenshot/Picture/Table must have caption as following: [Select it → Right Click → Add Caption] – Don't do the numbering by hand.
- You shall point to the inserted Screenshot/Picture/Table under the paragraph/section that you inserted into it.

Example: See Figure/Table 2 which illustrate/define ..