

**SYST44998: Wireless Security**

**Lab. 3: Configuring WLAN personal and enterprise systems**

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| **Administrative Info** | |
| Mode of delivery | Slate |
| Due | Look at slate |
| Group | Individual |
| Points | 7.5 |
| Time | N/A |

## **a. Material**

* + Cisco Packet Tracer (<https://www.netacad.com/courses/packet-tracer>)
  + Lecture notes: Introduction to Lab3

## **b. Assignment Requirements**

1. Use the slides ***Introduction to the Lab 3*** as a major guideline for this lab.
2. Use the Section D in this document to report on your activities.
3. **Screenshot** every step of the process. Name the figure accordingly.
4. Submission must be in doc, docx, or pdf. Out of that, 2.0 marks will be deducted.

**PART 1: WPA Personal**

* Deploy and configure a WLAN for a SOHO environment with four (4) laptops.
* Use DHCP to provide IP connectivity at the AP device
* Test the network connectivity by pinging from the laptop *1 to 2*, *2 to 3*, and *3 to 4*. Show the laptops (IP addresses) in the screenshots.
* Select a laptop and connect it to the AP.
* Change the name of the AP remotely using the AP’s Linksys to your *full name without space*.

**PART 2: WLAN Enterprise**

* Create an enterprise-based BSS design with four (4) laptops
* Deploy the AP and configure it. Make it to point to the Server
* Configure the Server and make it point to the AP. Test the network connectivity between the Server and the AP. Screenshot it.
* Populate the Server with the info of all users (use your *fullname+counter*) for each profile. Example, *ABC1*, *ABC2*, etc. Screenshot the profile ensuring that all the 4 users are shown.
* Go to the laptops and create their profiles
* Test the connectivity among the laptops: *1 to 2*, *2 to 3*, and *3 to 4*. Screenshot all of them (ping results).

## **c. marking Scheme**

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| --- | --- |
| **Items** | **Max Mark** |
| Part 1 | 3.0 |
| Part 2 | 4.5 |

## **D. Report**

Student Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PART 1: WLAN Personal**

Paste the screenshots here

**PART 2: WLAN Enterprise**

Paste the screenshots here