Wi-Fi® Security

TP 1

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Elements for the LAB

❖ WiFi Access Point

❖ WiFi controller

  ▪ https://IP:8443

  ▪ zone/admin123!

❖ Radius server

  ▪ 192.168.100.254/admin

  ▪ ece_si_x/123456 - X is your group number

❖ Gateway / captive portal

  ▪ 192.168.100.254/admin

  ▪ ece_si_x/123456 - X is your group number

Tasks

Create SSIDs for the two below scenarios:

❖ **Airport / Stadium / Restaurant**
1. **What is the authentication method**
2. **Encryption method**
3. **How would you secure the network**
4. **How would you control the access to the resources**
5. **What methods can you implement to benefit from your WiFi connection**
6. **Try to integrate with Social Media authentication (Refer to the document provided)**

❖ **University / Office**
1. **What is the authentication method**
2. **Encryption method**
3. **How would you secure the network**
4. **How would you control the access to the resources**

Report

❖ For each scenario:

1. Take screen shots of the configuration and explain the different parameters at each step of the configuration

2. Show the diagram of the connection at each step of the authentication process

3. Describe the different network components used during the LAB