

Course: COMP61421

Academic Year: 2020/2021

Assignment: Penetration Testing (max 25 marks)

Objective: You have been tasked to conduct a penetration test on server **20.77.41.13** and provide a suitable **report** on the methods used and any findings

Considerations:

1. This server is hosted on Microsoft **Azure**; the client has asked that you locate, and comply with the penetration testing terms and conditions that Microsoft impose – you may wish to cover high level rules of engagement and compliance in your report
2. The client would like a report of no more than **5 pages**, providing an **executive** summary, **details** of the **methods used**, any **findings identified** and your **recommendations**. Ensure **evidence** is provided in the form of **screenshots** where required.
3. Remember, this is as **much** about assurance of what is **NOT vulnerable**, as much as finding what is **vulnerable**; if you identify a vulnerability, the client needs to know whether the rest of the system is secure
4. Consider using and reporting on the following methods (not exclusive, and may not all be applicable):
 - a. **Automated testing tools**
 - b. **Manual** testing tools
 - c. Discovery **scanning**
 - d. **Web** app pen testing
 - e. **Open** source research
 - f. **Custom scripting** to exploit vulnerabilities