

Course: COMP61421

Academic Year: 2024/2025

Assignment: Penetration Testing (max 25 marks)

Objective: You have been tasked to conduct a penetration test on server **3.8.206.218** and provide a suitable report on the methods used and any findings.

Considerations:

1. This server is hosted on Amazon Web Services (AWS); the client has asked that you locate, and comply with the penetration testing terms and conditions that AWS 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):
 - 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