

SCHOOL OF SCIENCE AND ENGINEERING
DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING



CPS 593-10: Network Security

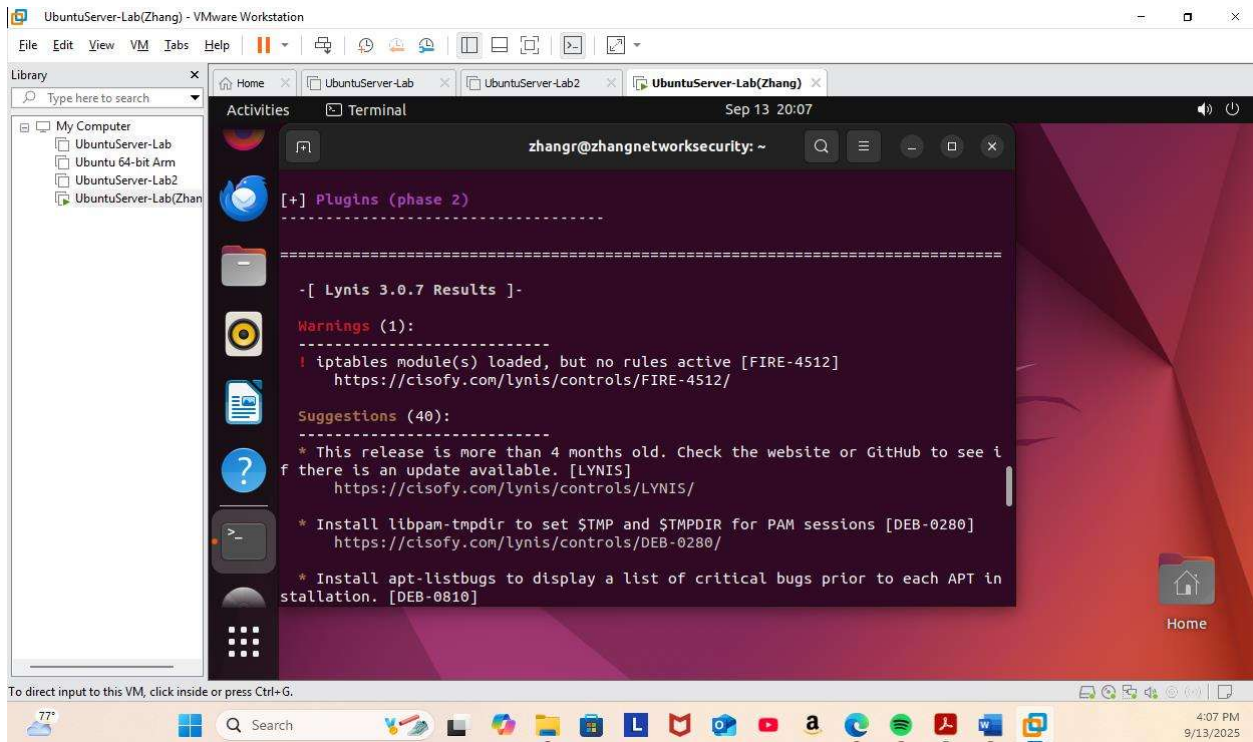
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Network Security Lab 1

Name	Major
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- Hardening index score: 61
- Warnings
 - Iptables modules(s) loaded, but no rules active.
- Suggestions
 - Check for updates available
 - Install apt-list bugs to display list of critical bugs prior to each APT installation



In this lab, we learned about setting up our VM in VMware workstation and how to identify if our VM is properly function and configured via hardening index score and looking for errors and warnings. Through this step we are respectively, performing an audit before we place our VM in service for future labs. Through my results, I got a hardening index score of 61 with only 1 warning and a few solutions; with the warning being Iptables modules(s) loaded, but no rules active. The solutions I chose to report were “Check for updates available” and “Install apt-list bugs to display list of critical bugs prior to each APT installation”. I chose these two suggestions as they made the most sense to me as to why they would resolve the warning. Hey professor if you are reading this, I actually do not know why I only got 1 warning as I tried multiple times but each time, I only got 1 warning, but back to being professional. In simple terms, auditing is important before preproduction is because with auditing a testing/developer may reduce potential attack vectors, create a clean baseline, and test readability and resilience, proving that the VM is in fact ready for user interface and reducing network security risks.