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Training Day 13 Report– 5 July 2025
 Introduction
 Day 13 covered wireless security: protocols, common weaknesses, and defensive
rations for Wi-Fi networks.
 Key Concepts Discussed
 Wediscussed differences among WEP, WPA, WPA2, and WPA3, and why older protoco
 are no longer acceptable. The session covered how authentication and encrypti
 negotiated in wireless handshakes and how weak passphrases and pre-shared key
 exploited.
 Lab Preparation in Theory
 The theoretical lab plan included designing isolated WLANs to study handshake
 and to analyze configuration best practices without exposing production netwo
 Practical Understanding (Theory)
 Hardening guidance for wireless networks was presented: using enterprise auth
tion (802.1X), strong passphrases where PSKs are used, segmenting guest traffi
 monitoring for rogue APs.
 Key Takeaways
 Wireless networks are convenient but introduce unique risks; strong configura
 monitoring reduce exposure.
 Conclusion
 Moving forward, we will examine network traffic analysis and protocol inspect
cepts.
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