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Training Day 15 Report– 7 July 2025
 Introduction
 Day 15 addressed Man-in-the-Middle (MITM) threats and the defensive role of T
 certificate pinning, and strong certificate management practices.
 Key Concepts Discussed
 We reviewed how interception and relay of traffic can expose credentials and
 data. The trainer explained how TLS works at a conceptual level and how weak
 practices undermine trust.
 Lab Preparation in Theory
 The course described safe MITM simulation plans, stressing that any intercept
 be performed in authorized lab networks only. We discussed observing certific
 and understanding trust anchors.
 Practical Understanding (Theory)
 We emphasized the role of HSTS, certificate pinning, and proper CA management
 reducing MITM effectiveness. Operational best practices for certificate rotat
 revocation were also covered.
 Key Takeaways
 Trust in TLS depends on operational discipline; defenders must monitor and re
 certificate anomalies.
 Conclusion
 We will next start a module on memory and exploit basics, beginning with buff
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