

COMP 5970 Secure Software Construction



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Module 0

February 3, 2023

GoAnywhere MFT file transfer Solution Zero Day



Exposed administrator consoles allowing remote code execution (RCE) vulnerability

May 31, 2023



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MOVEit MFT File Transfer Solution Zero Day Vulnerability

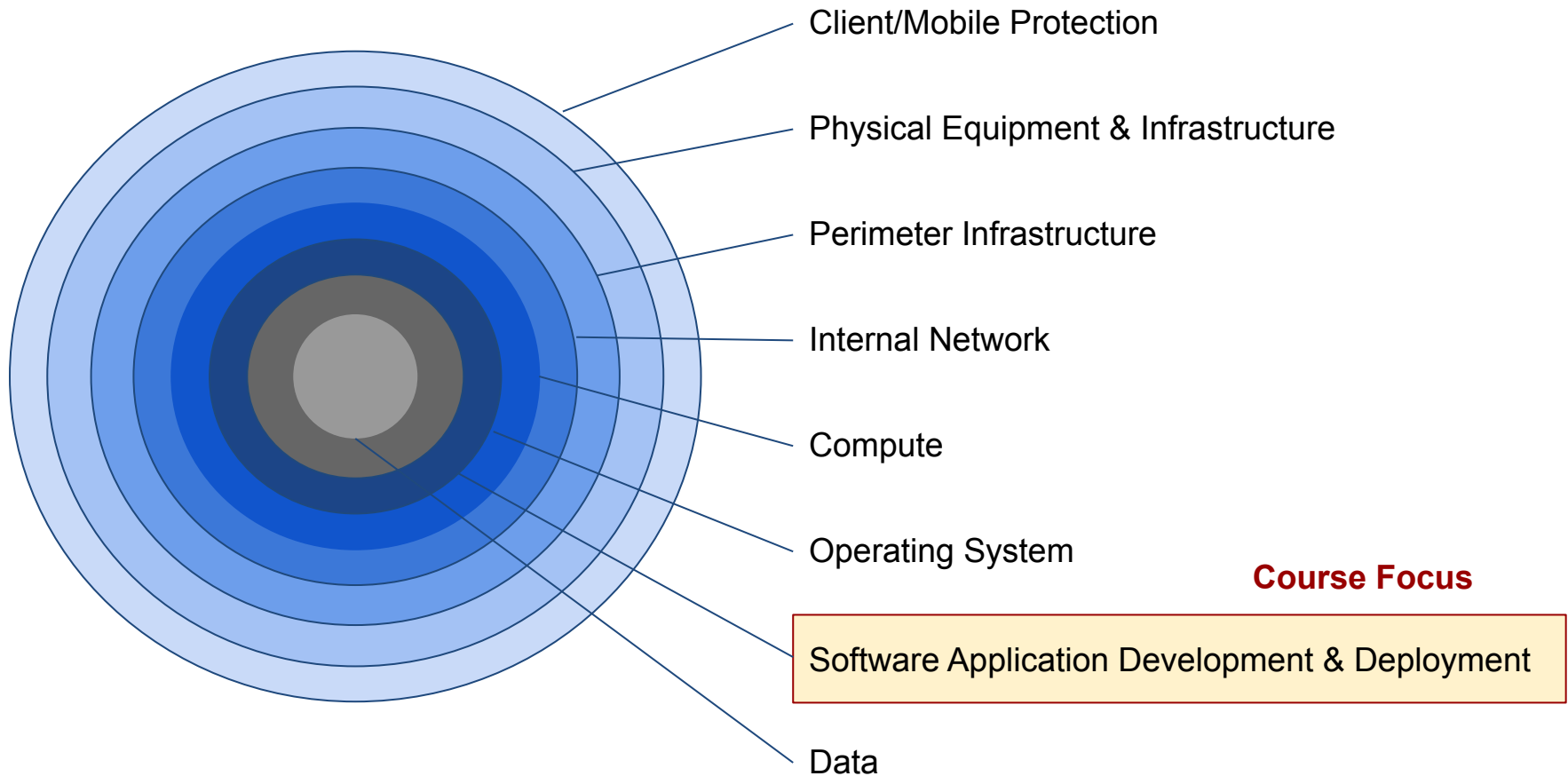


SQL Injection Vulnerability

Defense-in-Depth Cyber Security Approach



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Welcome to COMP 5970

Applied Cyber Security in Software Engineering

- Understanding of the following concepts:
 - Security concepts related to software development lifecycle
 - Source code management techniques and workflows
 - Software composition and verification
 - Software vulnerabilities and verification techniques
 - Various security tools
 - Software build pipelines and automation
- Progressively build a software application build pipeline that incorporates cyber security practices.
 - Secure Software Development Life Cycle (SSDLC)
 - Secure Development LifeCycle (SDL)
- Hands on application of practices and tools used in modern software development organizations



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Course Tools

Language, Tools &
Frameworks



Version Control &
DevOps



Security Testing



Cloud Testing

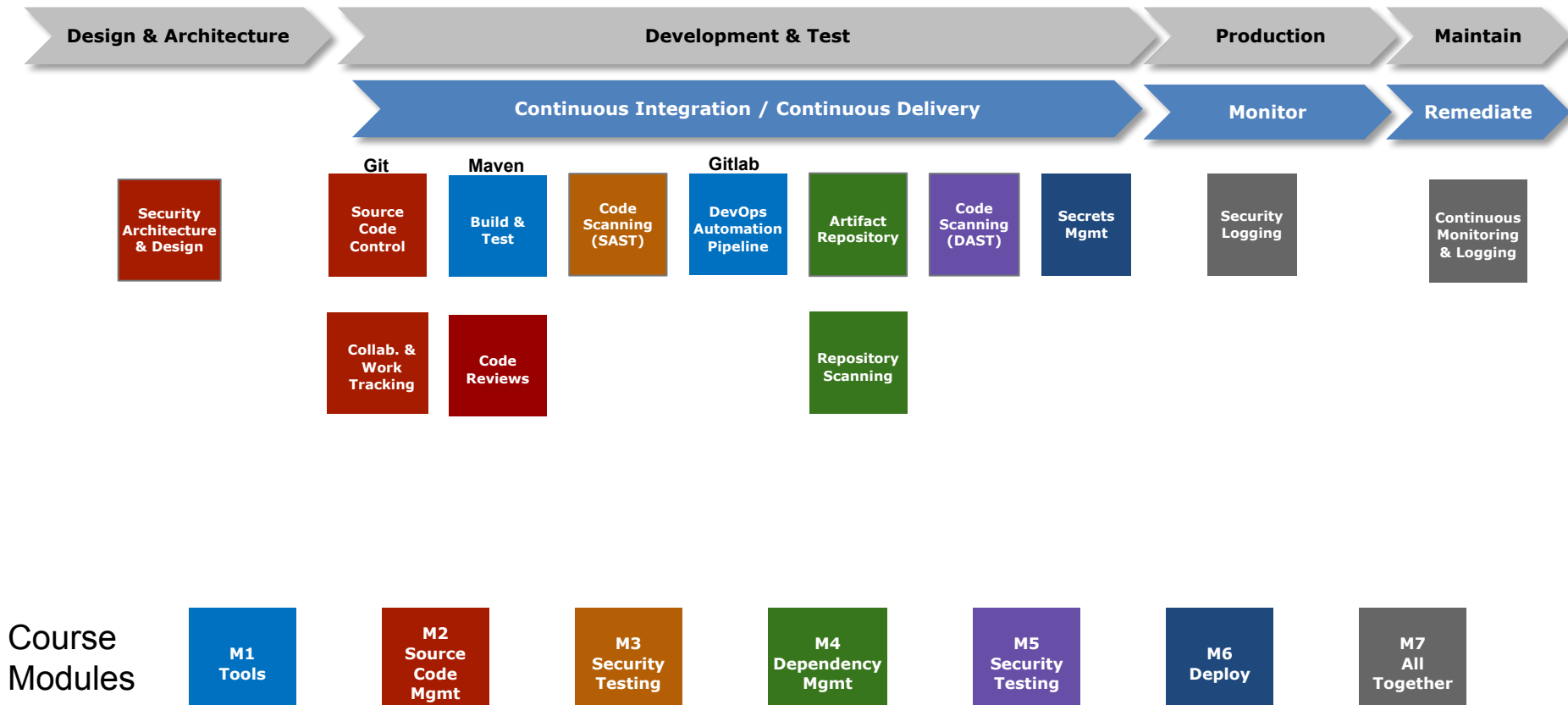


Command Line Interface (CLI)



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Course Overall Project





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