

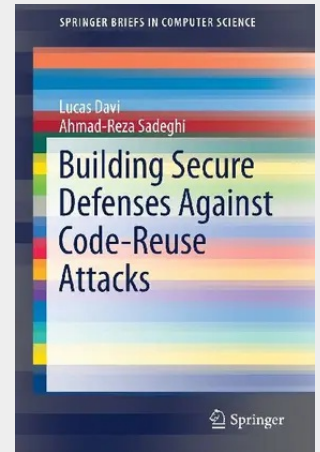
Building Secure Defenses Against Code-Reuse Attacks

This book provides an in-depth look at return-oriented programming attacks. It explores several conventional return-oriented programming attacks and analyzes the effectiveness of defense techniques including address space layout randomization (ASLR) and the control-flow restrictions implemented in security watchdogs such as Microsoft EMET.

Chapters also explain the principle of control-flow integrity (CFI), highlight the benefits of CFI and discuss its current weaknesses. Several improved and sophisticated return-oriented programming attack techniques such as just-in-time return-oriented programming are presented.

Building Secure Defenses against Code-Reuse Attacks is an excellent reference tool for researchers, programmers and professionals working in the security field. It provides advanced-level students studying computer science with a comprehensive overview and clear understanding of important runtime attacks.

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