Securing Object Oriented Design: A Complexity Perspective

Abstract

The security breaches are responsible for not only financial loss but affect the trustworthiness and integrity of the software design and development industry. The breaches are directly affecting the security attributes like Privacy, Availability, Confidentiality, Authorization, Authentication, and Integrity. The aim of security at design level is to protect software to any damage done to the security attributes. Complexity is one of the major factor affect the security. One way of security improvement is a proper control of complexity factor related to security attributes.

Reference
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Index Terms

Computer Science    Software Engineering

Key words

Security    Privacy    Availability    Integrity

Decomposition

Coupling Function
Complexity