Abstract

Generally most companies are using simple way to test a system is done by primary analysis and formal methods, Based on the observation that most security flaws are triggered due to a flawed interaction with the environment. Herein the model describes a sophisticated approach for testing almost all type of web applications and database integration system for possible security flaws. This approach is to be developed a dynamic model which have the capacity to bind the complex and lengthy procedure of penetration testing process. The proposed model is prepared using seven different Phases called as Seven Phase Penetration Testing Model (SPPT-Model). It simplifies the complex penetration testing procedure and allows penetration tester to evaluate accurately what faults to be exist in the target system. The dynamic model of penetration testing can be implementing freely and efficiently on almost all type of applications. This scheme can be used to classify informatics, analytical, complex, logical, well-known and common security flaws of huge or small application. As per the analysis it is classified that the model can be helpful to revealed 80% of the security flaws in the system.
- The Unified Modeling Language – A User Guide

Index Terms

Computer Science  Security

Keywords

Penetration Testing  System Security  Data Analysis  Vulnerability and System Analysis and Testing

countermeasures

advisory on language flexibility
Seven Phrase Penetration Testing Model