Read Online Detecting Sql Injection Attacks Using Snort Ids

When scanning the title, the reader might think that the book is about SQL injection attacks, but it's actually about using Snort IDS to detect these attacks. The book is focused on how to use Snort IDS to detect and prevent SQL injection attacks. The book includes practical examples and case studies to illustrate how Snort IDS can be used to detect and prevent SQL injection attacks.

SQL injection attacks are a common form of web application security vulnerability that occurs when an attacker injects malicious SQL code into a web application's input fields. The attacker's goal is to gain unauthorized access to the database or to execute arbitrary SQL code within the database.

To detect SQL injection attacks, the book explains how to use Snort IDS to identify and block suspicious SQL queries. The book covers how to configure Snort IDS to detect SQL injection attacks and how to interpret the logs generated by Snort IDS to identify potential SQL injection attacks.

The book is written for security professionals who want to learn how to use Snort IDS to detect and prevent SQL injection attacks. It is also suitable for developers who want to learn how to prevent SQL injection attacks in their web applications.

The book covers the following topics:

- SQL injection attacks: An introduction to SQL injection attacks and how they work.
- Snort IDS: An introduction to Snort IDS and how it works.
- Detecting SQL injection attacks with Snort IDS: How to configure Snort IDS to detect SQL injection attacks.
- Interpreting Snort IDS logs: How to interpret the logs generated by Snort IDS to identify potential SQL injection attacks.
- Preventing SQL injection attacks: How to prevent SQL injection attacks in your web applications.

The book includes practical examples and case studies to illustrate how Snort IDS can be used to detect and prevent SQL injection attacks.

SQL injection attacks are a serious security threat to web applications, and it's important to learn how to detect and prevent them. The book is a valuable resource for security professionals and developers who want to learn how to use Snort IDS to detect and prevent SQL injection attacks.

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Bayesian Classification for SQL Injection Detection - Brandon R. Skari 2011

SQL injection attacks occur when a user submits maliciously formatted data to a web application that results in the application behaving in an unintended fashion. This allows attackers to access, modify, or destroy data that they would otherwise be unable to. This thesis presents a novel approach to detecting injection attacks by identifying characteristics of injection attacks and using a Bayesian model to determine the likelihood that a given query is malicious. This approach is implemented in a proxy that sits between a web application and a database and prevents suspected malicious queries from being executed. This requires no modifications of existing application code and is capable of identifying unknown attacks. In tests, this approach was able to identify over 99% of common attacks while having no false positives.

Advances in Cybersecurity Management - Kevin Daimi 2021

This book concentrates on a wide range of advances related to IT cybersecurity management. The topics covered in this book include, among others, management techniques in security, IT risk management, the impact of technologies and techniques on security management, regulation, technology, business, finance, and strategy management. The authors discuss various aspects of cybersecurity management, including risk management, vulnerability assessment, incident response, and regulatory compliance. The book also provides practical guidance for developing effective cybersecurity management strategies and policies. This book is an essential resource for cybersecurity professionals, IT managers, and policymakers.

International Conference on Applications and Techniques in Cyber Security and Intelligence - Jemal Abawajy 2017-10-20

This book presents the outcomes of the 2017 International Conference on Applications and Techniques in Cyber Security and Intelligence, which focused on all aspects of techniques and applications in cyber and electronic security and intelligence research. The conference provides a forum for presenting and discussing recent advances in research, techniques, and applications in the field of cybersecurity.

Proceedings of the International Conference on Advanced Intelligent Systems and Informatics 2019 - Aboul Ella Hassanien 2019-10-02

This book presents the proceedings of the 5th International Conference on Advanced Intelligent Systems and Informatics (AISI2019), which took place in Cairo, Egypt, from October 26 to 28, 2019. This international and interdisciplinary conference highlighted essential research and developments in the fields of artificial intelligence, machine learning, data mining, and natural language processing. The book is divided into several sections, covering topics such as machine learning, data mining, natural language processing, and applications in various domains, including healthcare, finance, and social media.

Proceedings of the International Conference on Computer Engineering and Networks 2020 - Qi Liu 2020

This book contains a collection of the papers accepted by the CENet2020 - the 10th International Conference on Computer Engineering and Networks held on October 16-18, 2020 in Xi’an, China. The topics focus on all aspects of computer networking and wireless communication, including network architecture, protocol design, and network security. The book is a valuable resource for researchers, practitioners, and students interested in the latest developments in computer engineering and networking.