

Inside Network Perimeter Security The Definitive Guide To Firewalls Vpns Routers And Intrusion Detection Systems Karen Frederick

Intrusion Detection Systems
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Intrusion Detection Systems (IDS)
Intrusion Detection Systems with Snort
Intrusion Detection in Distributed Systems
Analyse eines applikationsbasierten Intrusion Detection Systems am Beispiel von PHPIDS
Erstellung eines Intrusion Detection Systems für eine Firewall
Intrusion Detection Systems
Network Intrusion Detection and Prevention
Intrusion Detection & Prevention
Intrusion Detection and Correlation
Recent Advances in Intrusion Detection
Konzeption und Implementierung eines Intrusion Detection Systems
Artificial Intelligence for Intrusion Detection Systems
Recent Advances in Intrusion Detection
Recent Advances in Intrusion Detection
Intrusion Detection Networks
Network Intrusion Detection
Entwicklung eines Log-basierten Intrusion-Detection-Systems
Handbook of Research on Intrusion Detection Systems
Roberto Di Pietro Rebecca Gurley Bace Florian Klemenz Rafeeq Ur Rehman Peng Ning Tobias Hollmann Marc Tresse Robert Barnard Ali A. Ghorbani Carl Endorf Christopher Kruegel Herve Debar Jan Niklas Faßbender Mayank Swarnkar Andreas Wespi Andreas Wespi Carol Fung Stephen Northcutt Nadine Rauchbach Gupta, Brij B.

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in our world of ever increasing internet connectivity there is an on going threat of intrusion denial of service attacks or countless other abuses of computer and network resources in particular these threats continue to persist due to the flaws of current commercial intrusion

detection systems idss intrusion detection systems is an edited volume by world class leaders in this field this edited volume sheds new light on defense alert systems against computer and network intrusions it also covers integrating intrusion alerts within security policy framework for intrusion response related case studies and much more this volume is presented in an easy to follow style while including a rigorous treatment of the issues solutions and technologies tied to the field intrusion detection systems is designed for a professional audience composed of researchers and practitioners within the computer network and information security industry it is also suitable as a reference or secondary textbook for advanced level students in computer science

on computer security

studienarbeit aus dem jahr 2004 im fachbereich informatik internet neue technologien note 1 7 hochschule harz hochschule für angewandte wissenschaften fachbereich automatisierung und informatik veranstaltung sicherheit in rechnernetzen sprache deutsch abstract in den anfängen des internets spielten sicherheitsaspekte noch keine große rolle erst mit zunehmender verbreitung im kommerziellen bereich wuchs das bedürfnis nach sicherer kommunikation stand anfangs noch der freie wissenschaftliche informationsaustausch zwischen universitäten im vordergrund so stellte sich bald heraus dass firmen oder regierungsorganisationen andere anforderungen an ein weltweites netzwerk stellen um es für ihre bedürfnisse nutzen zu können heutzutage verfügen die meisten firmen bildungseinrichtungen und organisation sowie auch viele privatpersonen über intranets die mit dem internet gekoppelt sind zugriff auf die ressourcen des intranets vor allem von außen aber auch von innen soll dabei nur autorisierten personen oder maschinen gestattet werden es gilt also die vertraulichkeit von daten zu wahren als effektiver schutz gegen unautorisierten zugang und verletzung der vertraulichkeit werden u a krypto und authentisierungsverfahren sowie firewallssysteme eingesetzt neben den schutzmaßnahmen an sich ist es aber auch wichtig diese zu überwachen ihre effektivität festzustellen und zu erkennen wo sie lücken aufweisen und umgangen werden können dieses ist die aufgabe von intrusion detection systems ids die im rahmen dieser seminararbeit genauer betrachtet werden sollen ids werden verwendet um computernetzwerke zu überwachen angriffe von außen und innen zu erkennen und ggf gegenmaßnahmen einzuleiten vorgestellt werden die verschiedenen arten von angriffen die unterschiedlichen techniken diese zu erkennen mißbrauchserkennung anomalieerkennung sowie beispielhaft einige interessante anwendungen von ids klassische ids wie snort acid distributed ids antivirensoftware

this guide to open source intrusion detection tool snort features step by step instructions on how to integrate snort with other open source products the book contains information and custom built scripts to make installation easy

intrusion detection in distributed systems an abstraction based approach presents research contributions in three areas with respect to

intrusion detection in distributed systems the first contribution is an abstraction based approach to addressing heterogeneity and autonomy of distributed environments the second contribution is a formal framework for modeling requests among cooperative idss and its application to common intrusion detection framework cidf the third contribution is a novel approach to coordinating different idss for distributed event correlation

inhaltsangabe einleitung computersicherheit ist in der heutigen zeit nicht nur wegen den sich häufenden medienberichten über gelungene einbruchsversuche ein vieldiskutiertes thema eine folge davon ist ein deutlicher anstieg der nachfrage an sicherheitsprodukten zu denen auch intrusion detection systeme zählen Übereinstimmend wird geschätzt daß sich durch deren verwendung ein höheres niveau der systemsicherheit erreichen läßt 1999 wurde in 37 aller unternehmen für die sicherheit von bedeutung ist id produkte benutzt vorjahr 29 das sicherheitsniveau dieser produkte hängt unter anderem wesentlich von der effizienz des zusammenwirkens mit anderen produkten wie z b firewalls ab dieses zusammenwirken ist bisher teilweise noch nicht vorhanden bzw noch nicht optimiert in der vorliegenden diplomarbeit wird nun ein ansatz vorgestellt der durch die aktive verknüpfung der komponenten firewall und ids die effizienz beider systeme steigern und zusätzliche möglichkeiten erschließen soll da diese kopplung implikationen auf design und auszuwählende mechanismen des zu integrierenden ids hat wird hier ein modell vorgestellt welches für diesen zweck optimiert wurde die vorliegende arbeit enthält weiterhin eine detaillierte beschreibung der exemplarischen implementierung dieses modells sowie die präsentation und bewertung erster einsatzerfahrungen inhaltsverzeichnis inhaltsverzeichnis abbildungsverzeichnis4 tabellenverzeichnis4 inhaltsverzeichnis5 einleitung7 1 sicherheit in computersystemen8 1 1sicherheitslücken8 1 2grundsätzliche vorgehensweise eines eindringlings9 1 3angriffsarten9 1 4gegenmaßnahmen11 2 intrusion detection systeme12 2 1ids eigenschaften12 2 2klassifizierung von intrusion detection systemen13 2 3arbeitsweise eines ids14 2 3 1datenselektion14 2 3 2datenanalyse16 2 3 3ids sprachen19 2 4kombination von firewall und ids22 3 entwurf eines firewall ids24 3 1theoretische modelle24 3 1 1das eca modell24 3 1 2ein generisches intrusion detection modell27 3 2grundlegende ids entwurfskonzepte28 3 2 1modellauswahl28 3 2 2typ des zu entwerfenden systems28 3 2 2leistungsmerkmale des zu entwerfenden systems29 3 2 3auswahl des angriffserkennungsmechanismus30 3 2 4auswahl der datenbereitstellung31 3 2 5integration der analysenmethoden32 3 2 6konzeption der endlichen automaten für die mustererkennung32 3 2 7entwurf der ids sprache32 3 3ids spezifische konkretisierung des eca modells35 3 4integration des ids

intrusion detection systems has long been considered the most important reference for intrusion detection system equipment and implementation in this revised and expanded edition it goes even further in providing the reader with a better understanding of how to design an integrated system the book describes the basic operating principles and applications of the equipment in an easy to understand manner this book was written for those security directors consultants and companies that select the equipment or make critical decisions

about security systems design mr barnard provides sufficient detail to satisfy the needs of those interested in the technical principles yet has included enough description on the operation and application of these systems to make intrusion detection systems second edition a useful reference for any security professional

network intrusion detection and prevention concepts and techniques provides detailed and concise information on different types of attacks theoretical foundation of attack detection approaches implementation data collection evaluation and intrusion response additionally it provides an overview of some of the commercially publicly available intrusion detection and response systems on the topic of intrusion detection system it is impossible to include everything there is to say on all subjects however we have tried to cover the most important and common ones network intrusion detection and prevention concepts and techniques is designed for researchers and practitioners in industry this book is suitable for advanced level students in computer science as a reference book as well

this volume covers the most popular intrusion detection tools including internet security systems black ice and realsecurity cisco systems secure ids and entercept computer associates etrust and the open source tool snort

details how intrusion detection works in network security with comparisons to traditional methods such as firewalls and cryptography analyzes the challenges in interpreting and correlating intrusion detection alerts

this book constitutes the refereed proceedings of the third international workshop on recent advances in intrusion detection raid 2000 held in toulouse france in october 2000 the 14 revised full papers presented were carefully reviewed and selected from a total of 26 papers and 30 extended abstracts submitted the papers are organized in sections on logging data mining modeling process behaviour ids evaluation and modeling

this book is associated with the cybersecurity issues and provides a wide view of the novel cyber attacks and the defense mechanisms especially ai based intrusion detection systems ids features a systematic overview of the state of the art ids proper explanation of novel cyber attacks which are much different from classical cyber attacks proper and in depth discussion of ai in the field of cybersecurity introduction to design and architecture of novel ai based ids with a transparent view of real time implementations covers a wide variety of ai based cyber defense mechanisms especially in the field of network based attacks iot based attacks multimedia attacks and blockchain attacks this book serves as a reference book for scientific investigators who need to analyze ids as well as researchers developing methodologies in this field it may also be used as a textbook for a graduate level course on information security

intrusion detection networks a key to collaborative security supplies a complete introduction to intrusion detection systems ids and intrusion detection networks idn describing how to leverage effective and efficient collaboration between participant idss it explains the benefits of building idns identifies the challenges underlying their design and outlines possible solutions it also reviews the full range of proposed idn solutions analyzing their scope topology strengths weaknesses and limitations it also includes a case study that illustrates the application of collaborative intrusion detection to real world malware detection scenarios

this book is a training aid and reference for intrusion detection analysts while the authors refer to research and theory they focus their attention on providing practical information new to this edition is coverage of packet dissection ip datagram fields forensics and snort filters

businesses in today s world are adopting technology enabled operating models that aim to improve growth revenue and identify emerging markets however most of these businesses are not suited to defend themselves from the cyber risks that come with these data driven practices to further prevent these threats they need to have a complete understanding of modern network security solutions and the ability to manage address and respond to security breaches the handbook of research on intrusion detection systems provides emerging research exploring the theoretical and practical aspects of prominent and effective techniques used to detect and contain breaches within the fields of data science and cybersecurity featuring coverage on a broad range of topics such as botnet detection cryptography and access control models this book is ideally designed for security analysts scientists researchers programmers developers it professionals scholars students administrators and faculty members seeking research on current advancements in network security technology

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