Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks

Mohssen Mohammed, Al-Sakib Khan Pathan

[Click here](#) if your download doesn"t start automatically

Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks

Mohssen Mohammed, Al-Sakib Khan Pathan

Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks Mohssen Mohammed, Al-Sakib Khan Pathan

Able to propagate quickly and change their payload with each infection, polymorphic worms have been able to evade even the most advanced intrusion detection systems (IDS). And, because zero-day worms require only seconds to launch flooding attacks on your servers, using traditional methods such as manually creating and storing signatures to defend against these threats is just too slow.

Bringing together critical knowledge and research on the subject, **Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks** details a new approach for generating automated signatures for unknown polymorphic worms. It presents experimental results on a new method for polymorphic worm detection and examines experimental implementation of signature-generation algorithms and double-honeynet systems.

If you need some background, the book includes an overview of the fundamental terms and concepts in network security, including the various security models. Clearing up the misconceptions about the value of honeypots, it explains how they can be useful in securing your networks, and identifies open-source tools you can use to create your own honeypot. There's also a chapter with references to helpful reading resources on automated signature generation systems.

The authors describe cutting-edge attack detection approaches and detail new algorithms to help you generate your own automated signatures for polymorphic worms. Explaining how to test the quality of your generated signatures, the text will help you develop the understanding required to effectively protect your communication networks. Coverage includes intrusion detection and prevention systems (IDPS), zero-day polymorphic worm collection methods, double-honeynet system configurations, and the implementation of double-honeynet architectures.

Download and Read Free Online Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks Mohssen Mohammed, Al-Sakib Khan Pathan

---

From reader reviews:

Pamela Brock:

Book is to be different for each and every grade. Book for children until eventually adult are different content. To be sure that book is very important usually. The book Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks ended up being making you to know about other knowledge and of course you can take more information. It is very advantages for you. The e-book Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks is not only giving you considerably more new information but also being your friend when you truly feel bored. You can spend your own personal spend time to read your book. Try to make relationship while using book Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks. You never really feel lose out for everything in case you read some books.

Marjorie Brown:

Reading a e-book tends to be new life style in this particular era globalization. With studying you can get a lot of information that can give you benefit in your life. Together with book everyone in this world may share their idea. Books can also inspire a lot of people. Plenty of author can inspire their particular reader with their story or their experience. Not only the storyplot that share in the books. But also they write about the ability about something that you need example of this. How to get the good score toefl, or how to teach your kids, there are many kinds of book which exist now. The authors these days always try to improve their skill in writing, they also doing some study before they write to the book. One of them is this Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks.

Linda Sandoval:

This Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks is great e-book for you because the content that is full of information for you who also always deal with world and have to make decision every minute. This kind of book reveal it details accurately using great plan word or we can declare no rambling sentences inside. So if you are read the idea hurriedly you can have whole info in it. Doesn't mean it only provides you with straight forward sentences but tricky core information with lovely delivering sentences. Having Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks in your hand like finding the world in your arm, information in it is not ridiculous a single. We can say that no e-book that offer you world with ten or fifteen tiny right but this e-book already do that. So , this is certainly good reading book. Hi Mr. and Mrs. active do you still doubt that?

Courtney Osteen:

Don't be worry in case you are afraid that this book will certainly filled the space in your house, you could have it in e-book way, more simple and reachable. This specific Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks can give you a lot of friends because by you considering

this one book you have point that they don't and make anyone more like an interesting person. This book can be one of one step for you to get success. This guide offer you information that might be your friend doesn't learn, by knowing more than different make you to be great individuals. So , why hesitate? Let's have Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks.

Download and Read Online Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks Mohssen Mohammed, Al-Sakib Khan Pathan #SEVLW681IMT

Read Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks by Mohssen Mohammed, Al-Sakib Khan Pathan for online ebook

Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks by Mohssen Mohammed, Al-Sakib Khan Pathan Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks by Mohssen Mohammed, Al-Sakib Khan Pathan books to read online.

Online Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks by Mohssen Mohammed, Al-Sakib Khan Pathan ebook PDF download

Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks by Mohssen Mohammed, Al-Sakib Khan Pathan Doc

Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks by Mohssen Mohammed, Al-Sakib Khan Pathan Mobipocket

Automatic Defense Against Zero-day Polymorphic Worms in Communication Networks by Mohssen Mohammed, Al-Sakib Khan Pathan EPub