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Titolo	Advanced Monitoring in P2P Botnets [[electronic resource]] : A Dual Perspective // by Shankar Karuppayah
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Soggetti	Computer security Computer communication systems Physics Data protection Systems and Data Security Computer Communication Networks Applications of Graph Theory and Complex Networks Security
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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chapter 1 Introduction -- Chapter 2 Background -- Chapter 3 Requirements and state of the art -- Chapter 4 The anatomy of P2P botnets -- Chapter 5 Crawling botnets -- Chapter 6 Deployment of sensor nodes in botnets.-Chapter 7 Understanding the churn dynamics in P2P botnets -- Chapter 8 Conclusion and Outlook -- Appendix -- Bibliography.
Sommario/riassunto	This book presents current research in the area of advanced monitoring in P2P botnets, and uses a dual-perspective approach to discuss aspects of botnet monitoring in-depth. First, from the perspective of a defender, e.g. researchers, it introduces advanced approaches to successfully monitor botnets, taking the presence of current botnet anti-monitoring mechanisms into consideration. Then, adopting a botmaster perspective to anticipate the advances in future botnets, it introduces advanced measures to detect and prevent monitoring activities. All the proposed methods were evaluated either using real-world data or in a simulation scenario. In addition to providing readers

with an in-depth understanding of P2P botnets, the book also analyzes the implications of the various design choices of recent botnets for effectively monitoring them. It serves as an excellent introduction to new researchers and provides a useful review for specialists in the field.
