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Nota di contenuto	Title Page; Contents; Introduction; Chapter1. An Ordinary Day in the Life of Mr. Rowley, or the Dangers of Virtualization and Mobility; 1.1. A busy day; 1.2. The ups and downs of the day; 1.3. What actually happened?; Chapter 2. Threats and Attacks; 2.1. Reconnaissance phase; 2.1.1. Passive mode information gathering techniques; 2.1.2. Active mode information gathering techniques; 2.2. Identity/authentication attack; 2.2.1. ARP spoofing; 2.2.2. IP spoofing; 2.2.3. Connection hijacking; 2.2.4. Man in the middle; 2.2.5. DNS spoofing; 2.2.6. Replay attack; 2.2.7. Rebound intrusion 2.2.8. Password hacking2.2.9. The insecurity of SSL/TLS; 2.3. Confidentiality attack; 2.3.1. Espionage software; 2.3.2. Trojans; 2.3.3. Sniffing; 2.3.4. Cracking encrypted data; 2.4. Availability attack; 2.4.1. ICMP Flood; 2.4.2. SYN Flood; 2.4.3. Smurfing; 2.4.4. Log Flood; 2.4.5. Worms; 2.5. Attack on software integrity; 2.6. BYOD: mixed-genre

threats and attacks; 2.7. Interception of GSM/GPRS/EDGE communications; Chapter 3. Technological Countermeasures; 3.1. Prevention; 3.1.1. Protection of mobile equipment; 3.1.2. Data protection; 3.2. Detection; 3.2.1. Systems of intrusion detection 3.2.2. Honeypot 3.2.3. Management and supervision tools; 3.3. Reaction; 3.3.1. Firewall; 3.3.2. Reverse proxy; 3.3.3. Antivirus software; 3.3.4. Antivirus software: an essential building block but in need of completion; 3.4. Organizing the information system's security; 3.4.1. What is security organization?; 3.4.2. Quality of security, or the attraction of ISMS; Chapter 4. Technological Countermeasures for Remote Access; 4.1. Remote connection solutions; 4.1.1. Historic solutions; 4.1.2. Desktop sharing solutions; 4.1.3. Publication on the Internet 4.1.4. Virtual Private Network (VPN) solutions 4.2. Control of remote access; 4.2.1. Identification and authentication; 4.2.2. Unique authentication; 4.3. Architecture of remote access solutions; 4.3.1. Securing the infrastructure; 4.3.2. Load balancing/redundancy; 4.4. Control of conformity of the VPN infrastructure; 4.5. Control of network admission; 4.5.1. Control of network access; 4.5.2. ESCV (Endpoint Security Compliancy Verification); 4.5.3. Mobile NAC 29; Chapter 5. What Should Have Been Done to Make Sure Mr Rowley's Day Really Was Ordinary; 5.1. The attack at Mr Rowley's house 5.1.1. Securing Mr Rowley's PC 5.1.2. Securing the organizational level; 5.1.3. Detection at the organizational level; 5.1.4. A little bit of prevention; 5.2. The attack at the airport VIP lounge while on the move; 5.3. The attack at the cafe; 5.4. The attack in the airport VIP lounge during Mr Rowley's return journey; 5.5. The loss of a smartphone and access to confidential data; 5.6. Summary of the different security solutions that should have been implemented; Conclusion; APPENDICES; Appendix 1; Appendix 2; Bibliography; Index

Sommario/riassunto

Over recent years, the amount of mobile equipment that needs to be connected to corporate networks remotely (smartphones, laptops, etc.) has increased rapidly. Innovative development perspectives and new tendencies such as BYOD (bring your own device) are exposing business information systems more than ever to various compromising threats. The safety control of remote access has become a strategic issue for all companies. This book reviews all the threats weighing on these remote access points, as well as the existing standards and specific countermeasures to protect companies, from both th

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Soggetti	Food—Biotechnology Communication in chemistry Pharmaceutical chemistry Food Science Documentation and Information in Chemistry Medicinal Chemistry
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	1. Introduction to Molecular Similarity and Chemical Space -- 2. The Chemical Space of Flavors.- 3. Chemoinformatics Analysis and Structural Similarity Studies of Food-Related Databases -- 4. Reverse Pharmacognosy: A Tool to Accelerate the Discovery of New Bioactive Food Ingredients -- 5. Molecular Approaches to Explore Natural and Food-Compound Modulators in Cancer Epigenetics and Metabolism -- 6. Discovery of natural products that modulate the activity of PPARgamma: a source for new antidiabetics -- 7. DPP-IV, An Important Target for Anti-diabetic Functional Food Design. -8. Comparison of Different Data Analysis Tools to Study the Effect of Storage Conditions on Wine Sensory Attributes and Trace Metal Composition.- 9. Software and Online Resources: Perspectives and

Potential Applications.

Sommario/riassunto

The explosion in the generation of information parallels the explosion of computational resources. The use of computers to collect, store and manipulate chemical information is at the heart of chemoinformatics. These methodologies, whose main target thus far has been the pharmaceutical field, are general and can be applied to other types of chemical data sets, such as those containing food chemicals. While the use of chemical information methodologies to address food-related challenges is still in its infancy, interest is growing and will continue to do so as the methods prove useful, particularly for providing practical solutions to food industry challenges. Foodinformatics gives an overview of basic concepts, applications, tools and perspectives of the emerging field of foodinformatics. The book is an important addition to the literature and will be of interest of food chemists, nutritionists, informaticians and scientists of related fields. About the Editors Karina Martínez-Mayorga, Instituto de Química, UNAM, Mexico City, México and Torrey Pines Institute for Molecular Studies, Port St. Lucie, FL, USA José Luis Medina-Franco, Instituto de Química, UNAM, Mexico City, México, and Torrey Pines Institute for Molecular Studies, Port St. Lucie, FL, USA.