1. Record Nr. UNINA9910845084303321 Autore Tjoa Simon Titolo Cyber Resilience Fundamentals / / by Simon Tjoa, Melisa Gafi, Peter Kieseberg Cham:,: Springer International Publishing:,: Imprint: Springer,, Pubbl/distr/stampa 2024 **ISBN** 3-031-52064-5 Edizione [1st ed. 2024.] Descrizione fisica 1 online resource (135 pages) Collana Studies in Systems, Decision and Control, , 2198-4190; ; 520 Altri autori (Persone) GafiMelisa KiesebergPeter Disciplina 621 Soggetti Security systems Data protection Risk management Security Science and Technology Data and Information Security IT Risk Management Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Introduction -- Cyber Resilience Foundations -- Cyber Resilience Nota di contenuto Organization -- Analyzing the Organization -- Reducing the Attack Surface -- Building Cyber Resilience Readiness -- Reacting to Cyber Incidents -- Improving Cyber Resilience. This book provides readers with the necessary capabilities to meet the Sommario/riassunto challenge of building and testing resilient IT services. Upon introducing the fundamentals of cyber resilience with important international standards and best practices, and the risk management process, the book covers in detail the cyber resilience management process. Here, it gives insights into the principles and design criteria to build cyber resilience in organizations, and to integrate it into operations to contribute to incident preparedness. Further, it describes measures for incident handling, including detection, containment, and post-incident handling, and analyses the most critical aspects of cyber resilience

testing, such as auditing, exercising, and testing. Written for advanced undergraduate students attending information security and business

continuity management courses, this book also addresses researchers and professionals in the broad field of IT Security and cyber resilience.