

1. Record Nr.	UNINA9910143421103321
Autore	Lewis T. G (Theodore Gyle), <1941->
Titolo	Critical infrastructure protection in homeland security [[electronic resource]] : defending a networked nation // Ted G. Lewis
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2006
ISBN	1-280-41147-3 9786610411474 0-470-36282-0 0-471-78954-2 0-471-78953-4
Descrizione fisica	1 online resource (488 p.)
Disciplina	005.8
Soggetti	Computer networks - Security measures - United States Computer security - United States - Planning Terrorism - United States - Prevention Terrorism - Government policy - United States Civil defense - United States
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Published simultaneously in Canada"--T.p. verso.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Strategy -- Origins -- Challenges -- Networks -- Vulnerability analysis -- Risk analysis -- Water -- SCADA -- Power -- Energy -- Telecommunications -- Internet -- Cyber-threats -- Cyber-security.
Sommario/riassunto	A scientific approach to the new field of critical infrastructure protectionThis book offers a unique scientific approach to the new field of critical infrastructure protection: it uses network theory, optimization theory, and simulation software to analyze and understand how infrastructure sectors evolve, where they are vulnerable, and how they can best be protected. The author demonstrates that infrastructure sectors as diverse as water, power, energy, telecommunications, and the Internet have remarkably similar structures. This observation leads to a rigorous approach to vulnera