1. Record Nr. UNISA996465343603316

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Titolo	Accountability and privacy in network security / / Yuxiang Ma, Yulei Wu, Jingguo Ge
Pubbl/distr/stampa	Cham, Switzerland : , : Springer, , [2020] ©2020
ISBN	981-15-6575-9
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (XII, 140 p. 62 illus., 59 illus. in color.)
Disciplina	005.8
Soggetti	Computer networks - Security measures Computer networks Computer security
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- A Comprehensive Survey -- Encrypted Trac Classication -- A Content-based Architecture -- A Flow-based Architecture -- A Service-based Architecture -- An Information-Centric Networking based Architecture -- Summary.
Sommario/riassunto	This book discusses accountability and privacy in network security from a technical perspective, providing a comprehensive overview of the latest research, as well as the current challenges and open issues. Further, it proposes a set of new and innovative solutions to balance privacy and accountability in networks in terms of their content, flow and service, using practical deep learning techniques for encrypted traffic analysis and focusing on the application of new technologies and concepts. These solutions take into account various key components (e. g. the in-network cache) in network architectures and adopt the emerging blockchain technique to ensure the security and scalability of the proposed architectures. In addition, the book examines in detail related studies on accountability and privacy, and validates the architectures using real-world datasets. Presenting secure and scalable solutions that can detect malicious behaviors in the network in a timely manner without compromising user privacy, the book offers a valuable resource for undergraduate and graduate students, researchers, and

engineers working in the fields of network architecture and cybersecurity.