

Data Communications & Network Security

Houston H. Carr, Ph.D. & Charles A. Snyder, Ph.D.

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Glossary

Network Security Types. How to Make Your System and Network Safe? Conclusion. Recommended Reading. What is Network Security and Its Management? A system can be made highly secure by using VPN networks in association with using encryption methods for authentication and floating data traffic over the Internet to a remotely connected device or network. IPSec is the most commonly used authentication process. Types of Security provisions at various levels in a system. How to Make Your System and Network Safe? To manage the network, in such a way in which it will be capable enough to deal with all the possibilities of the network attacks & virus problem and fix them is known as Network security management. Communications and Network Security are fundamental to our modern life. The Internet, the World Wide Web, online banking, instant messaging email, and many other technologies rely on network security: our modern world cannot exist without it. Transmission security involves communications procedures that afford minimal advantage to an adversary bent on intercepting data communications from IT systems, telephones, radio, and other systems. Emanation security prevents undesired signal data emanations (e.g., from computer equipment) transmitted without wires (e.g., electromagnetic or acoustic) that could be intercepted by an adversary. Network security covers a variety of computer networks, both public and private, that are used in everyday jobs: conducting transactions and communications among businesses, government agencies and individuals. Networks can be private, such as within a company, and others which might be open to public access. Network security is involved in organizations, enterprises, and other types of institutions. It does as its title explains: it secures the network, as well as protecting and overseeing operations being done. The most common and simple way of protecting a network resource is by assigning i Security and Communication Networks provides a prestigious forum for the R&D community in academia and industry working at the interdisciplinary nexus of next generation communications technologies for security implementations in all network layers. About this journal. Editor spotlight. Security and Communication Networks maintains an Editorial Board of practicing researchers from around the world, to ensure manuscripts are handled by editors who are experts in the field of study. Meet the editorial board. Special Issues.