



## Information Systems Security : 5th International Conference, ICISS 2009 Kolkata, India, December 14-18, 2009 Proceedings

By Michael Adjedj

Springer-Verlag GmbH Nov 2009, 2009. Taschenbuch. Condition: Neu. Neuware - The management of services and operations in today's organizations are - coming increasingly dependent on their enterprise local area network (enterprise LAN). An enterprise LAN consists of a set of network zones (logical group of network elements) corresponding to different departments or sections, connected through various interface switches (typically, Layer-3 switches). The network service accesses between these zones and also with the external network (e. g. , Internet) are governed by a global network security policy of the organization. This global policy is defined as a collection of service access rules across various network zones where the services referred network applications conforming to TCP/IP protocol. For example, some of the known network services are ssh, telnet, etc. In reality, the security policy may be incompletely specified; which explicitly states the 'permit' and 'deny' access rules between specific network zones keeping remaining service access paths as unspecified. The global security policy is realized in the network by configuring the network interfaces with appropriate sets of access control rules (ACLs). One of the major challenges in network security management is ensuring the conformation of the distributed security implementations with the global...



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