

Soluții de securizare a rețelelor de calculatoare

Solutions for Securing Computer Networks

Carmen-Maria BĂDESCU

Ericsson Telecommunications, Bucharest, Romania
carmen.badescu@ericsson.com

Abstract

Computer network security is now an integral part of computer networks and it involves protocols, technologies, systems, tools and techniques to secure and stop malicious attacks. The importance of security in computer networks has increased with the expansion of electronic data processing and their transmission through networks. If the operation of confidential information, it is important that the benefits of sharing and communication of computer networks to be supported by substantial security features. In what follows it will put emphasis on network security solutions.

Index terms: computer security, network security, cyber attack

References

- [1] Tanenbaum Andrew, "Rețele de calculatoare", Editura Byblos, ediția a IV-a, 2003.
- [2] McClure Stuart, "Securitatea rețelelor", Editura Teora, 2002.
- [3] Parker Tim, "TCP/IP", Editura Teora, 2002.
- [4] Vasiu Ioana, "Hackerii: Cybercriminali, sau rebeli cu o cauză?", Editura Nemira, 2001.
- [5] DISA, Department of Defence of United State of America, "Security Technical Implementation Guide about Virtual Machine", 2005.
- [6] Bernaschi M., Gabrielli E., Mancini L., "Operating System Enhancements to Prevent the Misuse of System Calls", Proceedings of the ACM Conference on Computer and Communications Security, 2004.
- [7] Bernaschi, M., Gabrielli, E., Mancini, L., "REMUS: A Security-Enhanced Operating System", ACM Transactions on Information and System Security, Vol. 5, 2001.
- [8] <http://profs.info.uaic.ro/~busaco/teach/courses/net/presentations/net13.pdf>
- [9] <http://profs.info.uaic.ro/~busaco/teach/courses/net/presentations/net12.pdf>
- [10] <http://www.securitatea-informatiilor.ro>
- [11] http://en.wikipedia.org/wiki/Network_security
- [12] <http://www.xanderzone.ro/cursurimaster/C-II-6.pdf>