## Studiu comparativ între securitatea tradițională și survivabilitate

# Comparative Study between Traditional Security and Survivability

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### Abstract

In recent years, there have been dramatic changes in the character of security problems. While security traditionally has been focused on confidentiality of information, the problems of greatest concern today relate to the availability of information and continuity of services. Survivability is an emerging discipline with the purpose of protecting highly distributed information services and assets. Survivability expands the view of security from a narrow technical specialty, towards a risk-management perspective to protect mission-critical systems from cyber-attacks, failures, and accidents.

**Index terms:** computer security, survivability, risk management

## References

- [1] D. Acostăchioaie, Securitatea sistemelor Linux, Editura Polirom, ISBN: 973-681-317-7, 2003.
- [2] G. Held, K. Hundley, Arhitecturi de securitate, Editura Teora, 2003.
- [3] S. McClure, J. Scambray, G. Kurtz, Securitatea retelelor, Editura Teora, 2002.
- [4] D. Oprea, Protecția și securitatea informațiilor. Ed. II, Editura Polirom, ISBN: 978-973-46-0927-7, 2007.
- [5] K. Sullivan, J. Knight, X. Du and S. Geist, Information Survivability Control Systems, Proceedings of the 21st International Conference on Software Engineering, Los Angeles, California, May 16-22, 1999, pp. 184-192.
- [6] B.M. Thursisingham, J.A. Maurer, Information Survivability for Evolvable and Adaptable Real-Time Command and Control Systems, IEEE Transactions on Knowledge and Data, Jan-Feb. 1999, pp. 228-238.
- [7] Julia H. Allen, Carol A. Sledge, Information Survivability: Required Shifts in Perspective, Software Engineering Institute, 2004.
- [8] K.R. Krishnan, Improved Survivability with Multi-Layer Dynamic Routing, IEEE Comm. Magazine, Jul. 1998, pp. 62-68.
- [9] A.M. Christie, Network Survivability Analysis Using Easel, Technical Report CMU/SEI-2002-TR-039, Pittsburgh, Carnegie Mellon University, Dec. 2002.