

# Analiza drepturilor de acces în sistemele de operare Microsoft Windows și Linux

## Access Rights Analysis in Microsoft Windows and Linux Operating Systems

**Ioan BACIVAROV, Ioan-Cosmin MIHAI**

University Politehnica of Bucharest, "A.I. Cuza" Police Academy, Romania  
bacivaro@euroqual.pub.ro, cosmin.mihai@academiadepolitie.ro

### Abstract

*Security logical level of a system consists of software methods that provide resources and services access control system. It is divided in two categories: security level access and security services. This paper analyzes the security level access of two operating systems: Microsoft Windows and Linux. It is presented the way to define users and groups and how to establish access rights to information, applications or services depending on the operating system installed on the system.*

**Index terms:** security logical level, access control, access rights

### References

- [1] D. Acostachioae, "Securitatea sistemelor Linux", Editura Polirom, 2003, ISBN 973-681-317-7.
- [2] J. Beale, "Detecting server compromises", Information Security Magazine, TechTarget, Feb. 2003.
- [3] D.G. Firesmith, "Engineering Security Requirements", Journal of Object Technology, vol. 1, Jan-Feb. 2003, pp. 53-68.
- [4] D.G. Firesmith, "Security Use Cases", Journal of Object Technology, vol. 3, May-Jun. 2003, pp. 53-64.
- [5] R.J. Hontanon, "Securitatea în Linux", Editura Teora.
- [6] L. Klander, E.J. Renahan Jr., "Hacker Proof: The Ultimate Guide to Network Security", Delmar Publishers, 2006.
- [7] I.C. Mihai, I.F. Popa, B.G. Tătaru, "Securitatea în Internet", Ed. Sitech, 2008.
- [8] I.C. Mihai, "Analiza securității informațiilor", Studii de securitate publică, vol. 2, 2012, pp. 24-34.
- [9] D. Oprea, "Protecția și securitatea informațiilor", Ed. II, Editura Polirom, 2007, ISBN 978-973-46-0927-7.
- [10] S. Popa, "Securitatea sistemelor informaticice - note de curs și aplicații", Editura Alma Mater Bacău, 2007, ISBN 978-973-1833-21-7.
- [11] T. Tidwell, R. Larson, K. Fitch, J. Hale, "Modeling Internet Attacks", Proceedings of the 2001 IEEE Workshop on Information Assurance and Security, United States Military Academy, West Point, NY, 5-6 Jun. 2001.
- [12] X. Zhao, K. Borders, A. Prakash, "Towards Protecting Sensitive Files in a Compromised System", 3rd International IEEE Security in Storage Workshop, 2005.