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On Virtual Machine Survivability Analysis

loan-Cosmin MIHAI1, Angelica BACIVAROV2*, Ioan C. BACIVAROV2

 Police Academy, Faculty of Police, Bucharest, Romania
Electronic, Telecommunications and Information Technology Faculty, University "Politehnica" of Bucharest, Romania

Abstract

This paper analyzes the concept of survivability and examines some models to ensure the virtual machines survivability. The virtual machines – efficient and isolated duplicates of the real machines will be analyzed. Some attack models like the Trojan horse and the computer worm attacks will be proposed to evaluate the performance of virtual machine survivability.

Keywords: Security, Survivability, Dependability, Attack model, Attack tree, , Virtual machine.