

UNIVERSITATEA BABEȘ-BOLYAI CLUJ-NAPOCA
FACULTATEA DE MATEMATICĂ ȘI INFORMATICĂ
SPECIALIZAREA ÎN INFORMATICĂ

LUCRARE DE LICENȚĂ

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2019

BABEȘ-BOLYAI UNIVERSITY CLUJ-NAPOCA
FACULTY OF MATHEMATICS AND COMPUTER SCIENCE
SPECIALIZATION IN COMPUTER SCIENCE

DIPLOMA THESIS

Title

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2019

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1. Introduction

2. State of the Art

3. Used Technologies

4. Design and Implementation

5. Testing Approach

6. Further Work

7. Conclusion

Bibliography

- [1] Bottazzi G., Italiano G.F., Spera D. “Preventing Ransomware Attacks Through File System Filter Drivers”. In: Milan, Italy, Feb. 2018. URL: [http://ceur-
ws.org/Vol-2058/paper-08.pdf](http://ceur-
ws.org/Vol-2058/paper-08.pdf).
- [2] Rienhardt F. “Kernel-based monitoring on Windows (32/64 bit)”. In: Dec. 2015. URL: <https://bitnuts.de/KernelBasedMonitoring.pdf>.
- [3] Yosifovich P., Ionescu A., Russinovich M.E., Russinovich D.A. *Windows Internals, Part 1: System architecture, processes, threads, memory management, and more*. Seventh Edition. Redmond, Washington: Microsoft Press, 2017.