VILNIAUS UNIVERSITETAS
MATEMATIKOS IR INFORMATIKOS FAKULTETAS
PROGRAMŲ SISTEMŲ STUDIJŲ PROGRAMA

Analysis of GAN architectures suitable for Ethical Malware Obfuscation

GAN architektūrų, tinkamų kenkėjiško kodo obfuskacijai, analizė

Research Paper

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Contents

Notes

- `notes/1.md` - Notes about [NDI+23]
- `notes/2.md` - Notes about [ZCY+24]
- `notes/3.md` - Notes about [ZHZ+22]
- `notes/4.md` - Notes about [KOD19]
- `notes/5.md` - Notes about [HT17]
- `notes/6.md` - Notes about [FWL+19]
- `notes/7.md` - Notes about [ZZY+22]

Introduction

The introduction describes the aim of the work, the relevance of the topic, and the expected results. The introduction should not be a summary of the content. The length of the introduction should be 1–2 pages.

Results

The results and conclusions section must clearly present the main results of the work (something analyzed, something created, something implemented) and provide conclusions (comparisons of methods for solving the examined problems, recommendations, and highlights of innovations).

Conclusions

1. The conclusions section compares the methods for solving the examined problems, offers recommendations, and highlights innovations.
2. Conclusions are presented in a numbered (possibly hierarchical) list format.
3. The conclusions of the work must correspond to the aim of the work.

References

[FWL+19] Z. Fang, J. Wang, B. Li, S. Wu, Y. Zhou, H. Huang. Evading Anti-Malware Engines With Deep Reinforcement Learning. *IEEE Access*. 2019, volume 7, pp. 48867–48879 [visited on 2024-09-18]. ISSN 2169-3536. Available from: https://doi.org/10.1109/ACCESS.2019.2908033.

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[ZCY+24] F. Zhong, X. Cheng, D. Yu, B. Gong, S. Song, J. Yu. MalFox: Camouflaged Adversarial Malware Example Generation Based on Conv-GANs Against Black-Box Detectors. *IEEE Transactions on Computers*. 2024, volume 73, number 4, pp. 980–993 [visited on 2024-09-15]. ISSN 1557-9956. Available from: https://doi.org/10.1109/TC.2023.3236901.

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