Structured Approaches in Penetration Testing: Navigating the Landscape of Cybersecurity Automation and AI Advancements

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# Conclusion

References

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| [1] | S. Chaudhary, A. O’Brien and S. Xu, "Automated Post-Breach Penetration Testing through Reinforcement Learning," in *Conference on Communications and Network Security (CNS)*, Avignon, 2020. |
| [2] | R. Maeda and M. Mimura, "Automating post-exploitation with deep reinforcement learning," *Computers & Security,* vol. 100, pp. 102-108, January 2021. |
| [3] | S. V. N. Parasram, A. Samm, D. Boodoo, G. Johansen, L. Allen, T. Heriyanto and S. Ali, Kali Linux 2018: Assuring Security by Penetration Testing, 4th ed., Packt Publishing, 2018. |
| [4] | S.-P. Oriyano, Penetration Testing Essentials, Sybex, 2016. |
| [5] | A. A. Alghamdi, "Effective Penetration Testing Report Writing," in *International Conference on Electrical, Computer, Communications and Mechatronics Engineering (ICECCME)*, 2021. |
| [6] | M. N. Zakaria, P. A. Phin, N. Mohmad, S. A. Ismail, M. N. Kama and O. Yusop, "A Review of Standardization for Penetration Testing Reports and Documents," in *International Conference on Research and Innovation in Information Systems (ICRIIS)*, 2013. |
| [7] | *Market Research Report,* MarketsandMarkets, 2022. |