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Zero-day Malware Detection using Transferred Generative Adversarial Networks based on Deep Autoencoders

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## **Highlight:**

- This paper proposes a transferred GAN based on a deep autoencoder for malware detection.
- It can detect zero-day attacks of malware by learning the fake malware generated.
- Experiments show that the proposed method increases the learning stability.
- It outperforms other state-of-the-art data mining techniques in malware detection.

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