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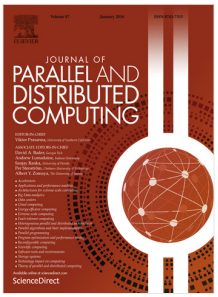

A fog-based privacy-preserving approach for distributed signature-based intrusion detection

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Highlights

1. We design a privacy-preserving framework for signature-based intrusion detection in a distributed environment, based on fog devices.
2. In the evaluation, we investigated the performance of our approach in both simulated and real network environments.
3. We compared our approach with similar approaches like PPIDS, and experimental results demonstrated that our approach could help secure data, reduce the workload on the cloud's side and offer less detection delay.

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