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Advanced Payload Analyzer Preprocessor

Luis Javier García Villalba, Ana Lucila Sandoval Orozco, Jorge Maestre Vidal

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Highlights

- A novel network-based intrusion detection system for recognition of unknown threats (zero-day attacks) is proposed.
- Detailed statistical analysis of the binary contents of payloads is applied.
- The information processing involves the use of n-gram and Bloom filter structures.
- Results obtained by analyzing real HTTP traffic prove high hit rate (approx. 95%) and low false positive rate (approx. 0.1%).

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