

Accepted Manuscript

Title: Design and Evaluation of a System for Network Threat Signatures Generation

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PII: S1877-7503(17)30519-7
DOI: <http://dx.doi.org/doi:10.1016/j.jocs.2017.05.006>
Reference: JOCS 675



To appear in:

Received date: 16-11-2016
Revised date: 20-2-2017
Accepted date: 5-5-2017

Please cite this article as: Paweł Szykiewicz, Adam Kozakiewicz, Design and Evaluation of a System for Network Threat Signatures Generation, *Journal of Computational Science* (2017), <http://dx.doi.org/10.1016/j.jocs.2017.05.006>

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Novel concept for automatic network threat signatures generation is proposed.

A specialized genetic algorithm can be employed to produce high quality signatures of polymorphic worms.

The computer system architecture for network threat signatures generation is proposed.

Simulations confirm the efficiency of the developed system.

The architecture of HPC-supported version of the system is proposed.

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