








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September 2020, Article number 9222915, Pages 27-30

15th Federated Conference on Computer Science and Information Systems, FedCSIS 2020;

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Data Mining-Based Phishing Detection (Conference Paper) [\(Open Access\)](#)

Bohacik, J. , Skula, I. , Zabovsky, M. 

University of Zilina, Department of Informatics, Univerzitna 8215/1, Zilina, 010 26, Slovakia


Abstract

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Webpages can be faked easily nowadays and as there are many internet users, it is not hard to find some becoming victims of them. Simultaneously, it is not uncommon these days that more and more activities such as banking and shopping are being moved to the internet, which may lead to huge financial losses. In this paper, a developed Chrome plugin for data mining-based detection of phishing webpages is described. The plugin is written in JavaScript and it uses a C4.5 decision tree model created on the basis of collected data with eight describing attributes. The usability of the model is validated with 10-fold cross-validation and the computation of sensitivity, specificity and overall accuracy. The achieved results of experiments are promising. © 2020 Polish Information Processing Society - as it is since 2011.

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