

Corrigendum to Skeptic: Automatic, Justified and Privacy-Preserving Password Composition Policy Selection

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ABSTRACT

This document has been prepared by the authors in order to correct the scholarly record regarding an error in *Skeptic: Automatic, Justified and Privacy-Preserving Password Composition Policy Selection* originally published in *Proceedings of the 15th ACM Asia Conference on Computer and Communications Security (ASIA CCS '20)* which took place October 5–9, 2020 in Taipei, Taiwan. The source of the leaked password dataset in the work containing 453,492 passwords is incorrectly stated to be the *Yahoo! Voice* VoIP service, when in actual fact the dataset originated on *Yahoo! Voices*, a now-defunct online publishing platform for contributing writers. This in no way affects the conclusions of the work.

CCS CONCEPTS

• **Security and privacy** → **Formal security models; Logic and verification**; *Authentication; Systems security*.

KEYWORDS

Password composition policy, Passwords, Password authentication, Formal verification, Interactive theorem proving

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1 CORRIGENDUM

On pages 3 and 11 of the work referenced [1], we incorrectly note that the leaked password dataset containing 453,492 passwords that we use in our work originated on the *Yahoo! Voice* VoIP service. In actual fact, this dataset originated on *Yahoo! Voices*, an online publishing platform for contributing writers that has been defunct as of 2014. This error in no way affects the conclusions of the work.

1.1 Correction 1

In section 3.1 of the work (page 3) we write:

“... compromised in plaintext from the *Yahoo Voice* VoIP service around the year 2012...”

This should instead read:

“... compromised in plaintext from the *Yahoo Voices* online publishing platform around the year 2012...”

1.2 Correction 2

In section 5.2 of the work (page 11) we write:

“... *Yahoo Voice* social media and telecommunications service...”

This should instead read:

“... *Yahoo Voices* online publishing platform”

2 POSTFACE

We caution the reader that, due to the similarity of the names of each of the two *Yahoo!* services in question, a number of sources aside from ours misidentify the leaked password dataset in the same manner as us. For this reason, we felt it especially important to correct the record.

REFERENCES

- [1] Saul Johnson, João F. Ferreira, Alexandra Mendes, and Julien Cordry. 2020. Skeptic: Automatic, Justified and Privacy-Preserving Password Composition Policy Selection. In *Proceedings of the 15th ACM Asia Conference on Computer and Communications Security (ASIA CCS '20)*. Association for Computing Machinery, New York, NY, USA, 101–115. <https://doi.org/10.1145/3320269.3384762>