Paper Notes

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TODO: Need to find papers on study of words are a comparative measure.

1 Can Unicorns Help Users Compare Crypto Key Fingerprints

This paper tested 8 different fingerprint representations with 661 different participants. All of these representations are testing using compare-and-confirm (basic comparison process for fingerprints) and compare-and-select (select from a list)

- Hexadecimal
- TODO

The paper also emphasises the attention that has been taken to realism in the experimentation stage.

Talks about long term usability issues with public-key crypto and states fingerprints are a main source of the problem. ([28])

There seems to be mixed findings with compare-and-select and compare-and-confirm ([14, 17])

There has been research into OpenSSH fingerprints and how users interact ([19, 24])

1.1 Findings

- Graphical representations have mixed success rates (with quick comparison times)
- Recommendations not to use **compare-and-select**