



JENS NEUHALFEN

GOOD CRYPTOGRAPHY



Even consumer grade graphic cards calculates giga-hashes (2³⁰) per second.

HASHES - EVEN SALTED - OFFER NO PROTECTION AGAINST OFFLINE ATTACKS

SWITCH TO BRUTE-FORCE PROOF (== SLOWER) ALGORITHMS

https://www.troyhunt.com/our-password-hashing-has-no-clothes/ https://gist.github.com/epixoip/a83d38f412b4737e99bbef804a270c40 http://cynosureprime.blogspot.de/2017/08/320-million-hashes-exposed.html https://www.owasp.org/index.php/Password_Storage_Cheat_Sheet https://en.wikipedia.org/wiki/Pepper_(cryptography)

INCREASE THE ENTROPY BY USING A PEPPER



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USER LOGIN: MIGRATE PASSWORDS



