

Criteria for a safe password

By Jannik Maaß

Table of contents

— — —

1. Insecure password

2. Normal password

3. Safe password

4. Perfect password

5. Dictionary

Insecure password

If one of these criteria applies...

- ❖ meaningful words
- ❖ no additional characters
- ❖ no upper case characters



Insecure password

- ❖ user's birth date
- ❖ user's own name
- ❖ series of numbers(1234)



Normal password

- ❖ at least one upper case character
- ❖ at least one lower case character
- ❖ at least one number
- ❖ no characters in meaningful order



Safe password

- ❖ at least 8 characters
- ❖ higher and lower case characters
- ❖ numbers and letters mixed in random order
- ❖ at least one additional symbol



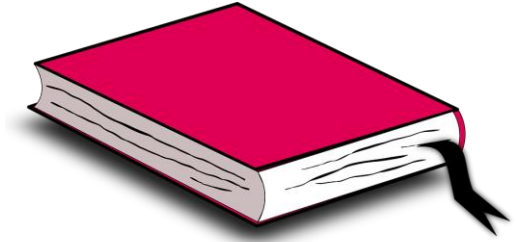
Perfect password



In addition to requirements of a safe password

- ❖ avoid word formation and meaningful connections
- ❖ avoid ascending/descending number order
- ❖ use additional symbols
- ❖ avoid words from dictionaries

Dictionary



- ❖ dictionary database

- ❖ check if the password contains meaningful words
 - OpenThesaurus for German and English

 - Estonian ?

Thank you for your attention