
Name

passwdmancli — CLI for storing, generating and updating passwords and honeypots.

Synopsis

```
passwdmancli -i ---interactive -B ---single-backup infile
```

DESCRIPTION

infile is the file **passwdmancli** will read its commands from, if *infile* is omitted **passwdmancli** will read from standard input. `-i` or `--interactive` must be specified if you want the commands **undo** and **redo**, or if you want **passwdmancli** to stay alive after an error.

If you specify the option `-B` or `--single-backup`, every change that has been done, will be removed by TWO undos.

passwdmancli reads its input as colon separated values. Quotes are either forbidden or optional (look at `unquote()` in `passwdmanapi(3)`). Integers are created with the python built-in `int()`. All commands are listed in COMMANDS. If the line begins with a number-sign, the line will be ignored. If the line begins with a pipe-sign, it will write the rest of the line to standard output.

All outputs that are prefixed with an exclamation mark are error messages. All outputs that are prefixed with a number sign are messages for a human user. All other outputs are prefixed with their command (not their arguments), using dots instead of colons, followed by a question mark.

Beware of whitespace. The whitespace comes after colons and/or question marks and before quotes.

The passwords have meta-data. They have a minimum required length and a maximum allowed length. They also have a type which is one of:

- 10 The password may only use digits.
- 64 The password can use big letters, small letters, digits, underscores and exclamation marks.
- human The password is human generated.

The honeypots are weak passwords intended to be used as traps.

WARNING: If a command accepts a `name` and `index` argument, any string of digits will be treated as an index.

COMMANDS

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| <code>bells</code> | Show message about the bells and whistles. |
| <code>bugs</code> | Show message about wasps and mosquitoes. |
| <code>hell</code> | Synonym for verbose:on . |
| <code>help</code> | Help message. |
| <code>honeypot:add:'value'</code> | Add a new honeypot with the value <code>value</code> . |
| <code>honeypot:help</code> | Help message. |
| <code>honeypot:list</code> | List all honeypots. Returns multiple lines of: "honeypot.list?", the index, a colon and the value surrounded by single quotes. |
| <code>honeypot:pick</code> | Pick a honeypot. Returns a line of: "honeypot.pick?" followed by the honeypot surrounded by single quotes. |

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| honeypot:pick:n:'sep' | Pick n honeypots and separate them with <code>sep</code> . Returns a line of: "honeypot.pick?" followed by the separator-separated honeypots surrounded by single quotes. |
| honeypot:pickl:n | Pick n honey-pots, escape and quote (single quotes). Returns a line of "honeypot.pickl?" followed by the quoted honey-pots separated with commas. |
| honeypot:remove:'value' | Remove the honeypot with the value <code>value</code> . |
| honeypot:remove:index | Remove the honeypot at <code>index</code> . WARNING: The indexes of the following honeypots will be decreased by one! |
| passwd:add:type:minlength:maxlength:and:ch | Add a new password for <code>name</code> , with at least <code>minlength</code> letters, but no more than <code>maxlength</code> . If <code>type</code> is "10", the password will only contain digits. If <code>type</code> is "64", the password will contain big letters, small letters, digits, underscores and exclamation marks. It will not give any output. |
| passwd:add_human:'name' | Add a human generated password for <code>name</code> . It will read the password on a new line. It will not give any output. |
| passwd:get:'name' | Returns a line of: "passwd.get?" followed by the value of the password for <code>name</code> surrounded by single quotes. |
| passwd:get:index | Returns a line of: "passwd.get?" followed by the value of the password at <code>index</code> surrounded by single quotes. |
| passwd:help | Help message. |
| passwd:list | List all passwords. Returns multiple lines of: "passwd.list?", the index, a colon and the name surrounded by single quotes. |
| passwd:meta:'name' | Get the meta-data for the password for <code>name</code> . Returns a line of: "passwd.meta?", the type surrounded by single quotes, a colon, the minimum length for the password surrounded by single quotes, a colon and the maximum length for the password surrounded by single quotes. |
| passwd:meta:index | Get the meta-data for the password at <code>index</code> . Returns a line of: "passwd.meta?", the type surrounded by single quotes, a colon, the minimum length for the password surrounded by single quotes, a colon and the maximum length for the password surrounded by single quotes. |
| passwd:remove:'name' | Remove the password for <code>name</code> . |
| passwd:remove:index | Remove the password at <code>index</code> . WARNING: The indexes of the following passwords will be decreased by one! |
| passwd:update:'name' | Update the password for <code>name</code> using its meta-data. Returns a line of: "passwd.update?", the old password, a colon and the new password. |
| passwd:update:index | Update the password at <code>index</code> using its meta-data. Returns a line of: "passwd.update?", the old password, a colon and the new password. |
| passwd:update_meta:type:min:max:'name' | Do the same thing as passwd:update:'name' , but use <code>type</code> , <code>min</code> , and <code>max</code> as meta-data, instead of the passwords own (which might not even exist). |

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| <code>passwd:update_meta:type:min:max:index</code> | Do the same thing as <code>passwd:update:index</code> , but use <code>type</code> , <code>min</code> , and <code>max</code> as meta-data, instead of the passwords own (which might not even exist). |
| <code>redo</code> | Opposite of <code>undo</code> . |
| <code>undo</code> | CLI undo button; restore from latest auto-generated backup. |
| <code>verbose:on</code> | Enable verbose mode; release mosquitoes from hell that will be noisy and give you a headache. |
| <code>verbose:off</code> | Disable verbose mode; kill the mosquitoes. |
| <code>whistles</code> | Show message about the bells and whistles. |

FILES

`~/.passwdman/passwords` is a XML file containing all passwords.

`~/.passwdman/honeypots` is a XML file containing all honeypots.

`~/.passwdman/undoable` is a directory full of backups.

`~/.passwdman/redoable` is a directory full of backups.

DIAGNOSIS

All error messages are sent to standard output and are prefixed with an exclamation mark.

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| <code>!syntax error</code> | Bad speling or incorrect usage. The next line of output will be the offending input prefixed with an exclamation mark. |
| <code>!no meta</code> | The command requires meta-data, but the password doesn't have any. |
| <code>!not found</code> | Not found or index out of range |

SEE ALSO

`passwdmanapi(3)`, `random(4)`, `urandom(4)`, `passwdmanfiles(5)`

BUGS

Mosquitoes:

- If verbose mode is enabled the message "`#READY`" is written too many times.

SECURITY

`passwdmancli` uses `random(4)` or `urandom(4)` for everything.

AUTHOR

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Please send patches, questions, bug reports and wish-lists.