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. It was a poor choice of name, but it grew legs and glued its feet to the ground.

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

COMMANDS

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

honeypot:pick	Pick a honeypot. Returns a line of: "honeypot.pick?" followed by the honeypot surrounded by single quotes.
honeypot:pick:n:'sep'	Pick n honeypots and separate them with `sep`. 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 `value`.
honeypot:remove:index	Remove the honeypot at `index`. WARNING: The indexes of the following honeypots will be decreased by one!
passwd:add:type:minlength:maxlength:name	Add a new password for `name`, with at least `minlength` letters, but no more than `maxlength`. If `type` is "10", the password will only contain digits. If `type` 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 `name`. 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 `name` surrounded by single quotes.
passwd:get:index	Returns a line of: "passwd.get?" followed by the value of the password at `index` 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 `name`. 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 `index`. 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 `name`.
passwd:remove:index	Remove the password at `index`. WARNING: The indexes of the following passwords will be decreased by one!
passwd:update:'name'	Update the password for `name` 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 `index` 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 `type`, `min`, and `max` as meta-data, instead of the passwords own (which might not even exist).
passwd:update_meta:type:min:max:index	Do the same thing as **passwd:update:index**, but use `type`, `min`, and `max` as meta-data, instead of the passwords own (which might not even exist).
pb:on	Enable progress-counters. start is "Number-sign, tab, zero, percent." Progress is "Enough backspaces, integer decimal digits, percent." Stop is "Newline."
pb:off	Disable progress-counters.
redo	Opposite of **undo**.
undo	CLI undo button; restore from latest auto-generated backup.
verbose:on	Enable verbose mode; release mosquitoes from hell that will be noisy and give you a headache.
verbose:off	Disable verbose mode; kill the mosquitoes.
whistles	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.

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

Written by Oskar Skog (oskar.skog.finland@gmail.com).

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