NAME

UI_UTIL_read_pw_string, UI_UTIL_read_pw, UI_UTIL_wrap_read_pem_callback - user interface utilities

SYNOPSIS

#include <openssl/ui.h>

    int UI_UTIL_read_pw_string(char *buf, int length, const char *prompt,
                   int verify);
    int UI_UTIL_read_pw(char *buf, char *buff, int size, const char *prompt,
              int verify);
    UI_METHOD *UI_UTIL_wrap_read_pem_callback(pem_password_cb *cb, int rwflag);

DESCRIPTION

UI_UTIL_read_pw_string() asks for a passphrase, using **prompt** as a prompt, and stores it in **buf**. The maximum allowed size is given with **length**, including the terminating NUL byte. If **verify** is nonzero, the password will be verified as well.

UI_UTIL_read_pw() does the same as **UI_UTIL_read_pw_string()**, the difference is that you can give it an external buffer **buff** for the verification passphrase.

UI_UTIL_wrap_read_pem_callback() can be used to create a temporary **UI_METHOD** that wraps a given PEM password callback **cb**. **rwflag** is used to specify if this method will be used for passphrase entry without (0) or with (1) verification. When not used any more, the returned method should be freed with **UI_destroy_method()**.

NOTES

UI_UTIL_read_pw_string() and **UI_UTIL_read_pw()** use default **UI_METHOD**. See **UI_get_default_method**(3) and friends for more information.

The result from the **UI_METHOD** created by **UI_UTIL_wrap_read_pem_callback()** will generate password strings in the encoding that the given password callback generates. The default password prompting functions (apart from **UI_UTIL_read_pw_string()** and **UI_UTIL_read_pw()**, there is **PEM_def_callback()**, **EVP_read_pw_string()** and **EVP_read_pw_string_min**()) all use the default **UI_METHOD**.

RETURN VALUES

UI_UTIL_read_pw_string() and **UI_UTIL_read_pw()** return 0 on success or a negative value on error.

UI_UTIL_wrap_read_pem_callback() returns a valid **UI_METHOD** structure or NULL if an error

occurred.

SEE ALSO

    UI_get_default_method(3)

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