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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'SRP_user_pwd_new.3ossl' command

\$ man SRP_user_pwd_new.3ossl

SRP_USER_PWD_NEW(3ossl) OpenSSL SRP_USER_PWD_NEW(3ossl)

NAME

SRP_user_pwd_new, SRP_user_pwd_free, SRP_user_pwd_set1_ids, SRP_user_pwd_set_gN, SRP_user_pwd_set0_sv - Functions to create a record of SRP user verifier information

SYNOPSIS

```
#include <openssl/srp.h>
```

The following functions have been deprecated since OpenSSL 3.0, and can be hidden entirely by defining OPENSSL_API_COMPAT with a suitable version value, see openssl_user_macros(7):

```
SRP_user_pwd *SRP_user_pwd_new(void);
void SRP_user_pwd_free(SRP_user_pwd *user_pwd);

int SRP_user_pwd_set1_ids(SRP_user_pwd *user_pwd, const char *id, const char *info);
void SRP_user_pwd_set_gN(SRP_user_pwd *user_pwd, const BIGNUM *g, const BIGNUM *N);
int SRP_user_pwd_set0_sv(SRP_user_pwd *user_pwd, BIGNUM *s, BIGNUM *v);
```

DESCRIPTION

All of the functions described on this page are deprecated. There are

no available replacement functions at this time.

The `SRP_user_pwd_new()` function allocates a structure to store a user verifier record.

The `SRP_user_pwd_free()` function frees up the `user_pwd` structure. If `user_pwd` is `NULL`, nothing is done.

The `SRP_user_pwd_set1_ids()` function sets the username to `id` and the optional user info to `info` for `user_pwd`. The library allocates new copies of `id` and `info`, the caller still owns the original memory.

The `SRP_user_pwd_set0_sv()` function sets the user salt to `s` and the verifier to `v` for `user_pwd`. The library takes ownership of the values, they should not be freed by the caller.

The `SRP_user_pwd_set_gN()` function sets the SRP group parameters for `user_pwd`. The memory is not freed by `SRP_user_pwd_free()`, the caller must make sure it is freed once it is no longer used.

RETURN VALUES

`SRP_user_pwd_set1_ids()` returns 1 on success and 0 on failure or if `id` was `NULL`.

`SRP_user_pwd_set0_sv()` returns 1 if both `s` and `v` are not `NULL`, 0 otherwise.

SEE ALSO

`openssl-srp(1)`, `SRP_create_verifier(3)`, `SRP_VBASE_new(3)`,
`SSL_CTX_set_srp_password(3)`

HISTORY

These functions were made public in OpenSSL 3.0 and are deprecated.

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