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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'SRP\_user\_pwd\_free.3ossl'***

***\$ man SRP\_user\_pwd\_free.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.

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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