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

**\$ 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.

## 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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