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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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