

**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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