

NAME

sasl_canon_user_t - Cyrus SASL documentation

SYNOPSIS

```
#include <sasl/sasl.h>
```

```
int sasl_canon_user_t(sasl_conn_t *conn, void *context, const char *user, unsigned ulen,  
                    unsigned flags, const char *user_realm, char *out_user,  
                    unsigned out_umat, unsigned *out_ulen)
```

DESCRIPTION

```
int sasl_canon_user_t(sasl_conn_t *conn,
```

```
void *context,
```

```
const char *user,
```

```
unsigned ulen,
```

```
unsigned flags,
```

```
const char *user_realm,
```

```
char *out_user,
```

```
unsigned out_umat,
```

```
unsigned *out_ulen)
```

sasl_canon_user_t is the callback for an application-supplied user canonicalization function. This function is subject to the requirements that all user canonicalization functions are: It must copy the result into the output buffers, but the output buffers and the input buffers may be the same.

Parameters

⊕ **context** - context from the callback record

⊕ **user** - un-canonicalized username

- ⊕ **ulen** - length of user
- ⊕ **flags** - Either SASL_CU_AUTHID (indicating the authentication ID is being canonicalized) or SASL_CU_AUTHZID (indicating the authorization ID is to be canonicalized) or a bitwise OR of the the two.
- ⊕ **user_realm** - Realm of authentication.
- ⊕ **out_user** - The output buffer for the canonicalized username
- ⊕ **out_umax** - Maximum length for out_user
- ⊕ **out_ulen** - Actual length of out_user

Returns

SASL_OK indicates success. See `sasl_errors(3)` for a full list of SASL error codes.

CONFORMING TO

RFC 4422

SEE ALSO

`sasl(3)`, `sasl_errors(3)`, `sasl_callbacks(3)`

AUTHOR

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