

NAME

ne_set_server_auth, ne_set_proxy_auth, ne_forget_auth - register authentication callbacks

SYNOPSIS

```
#include <ne_auth.h>
```

```
typedef int (*ne_auth_creds)(void *userdata, const char *realm, int attempt, char *username,  
                             char *password);
```

```
void ne_set_server_auth(ne_session *session, ne_auth_creds callback, void *userdata);
```

```
void ne_set_proxy_auth(ne_session *session, ne_auth_creds callback, void *userdata);
```

```
void ne_forget_auth(ne_session *session);
```

DESCRIPTION

The **ne_auth_creds** function type defines a callback which is invoked when a server or proxy server requires user authentication for a particular request. The *realm* string is supplied by the server. The *attempt* is a counter giving the number of times the request has been retried with different authentication credentials. The first time the callback is invoked for a particular request, *attempt* will be zero.

To retry the request using new authentication credentials, the callback should return zero, and the *username* and *password* buffers must contain NUL-terminated strings. The `NE_ABUFSIZ` constant gives the size of these buffers.

Tip

If you only wish to allow the user one attempt to enter credentials, use the value of the *attempt* parameter as the return value of the callback.

To abort the request, the callback should return a non-zero value; in which case the contents of the *username* and *password* buffers are ignored.

The **ne_forget_auth** function can be used to discard the cached authentication credentials.

EXAMPLES

```
/* Function which prompts for a line of user input: */  
extern char *prompt_for(const char *prompt);
```

```
static int
my_auth(void *userdata, const char *realm, int attempts,
        char *username, char *password)
{
    strncpy(username, prompt_for("Username: "), NE_ABUFSIZ);
    strncpy(password, prompt_for("Password: "), NE_ABUFSIZ);
    return attempts;
}

int main(...)
{
    ne_session *sess = ne_session_create(...);

    ne_set_server_auth(sess, my_auth, NULL);

    /* ... */
}
```

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