

NAME

gsasl_step - API function

SYNOPSIS

```
#include <gsasl.h>
```

```
int gsasl_step(Gsasl_session * sctx, const char * input, size_t input_len, char ** output, size_t * output_len);
```

ARGUMENTS

Gsasl_session * sctx

libgsasl session handle.

const char * input

input byte array.

size_t input_len

size of input byte array.

char ** output

newly allocated output byte array.

size_t * output_len

pointer to output variable with size of output byte array.

DESCRIPTION

Perform one step of SASL authentication. This reads data from the other end (from *input* and *input_len*), processes it (potentially invoking callbacks to the application), and writes data to server (into newly allocated variable *output* and *output_len* that indicate the length of *output*).

The contents of the *output* buffer is unspecified if this functions returns anything other than

GSASL_OK or **GSASL_NEEDS_MORE**. If this function return **GSASL_OK** or

GSASL_NEEDS_MORE, however, the

output buffer is allocated by this function, and it is the responsibility of caller to deallocate it by calling `gsasl_free(output)`.

Return value: Returns **GSASL_OK** if authenticated terminated successfully, **GSASL_NEEDS_MORE** if more data is needed, or error code.

REPORTING BUGS

Report bugs to <bug-gsasl@gnu.org>.

General guidelines for reporting bugs: <http://www.gnu.org/gethelp/>

GNU SASL home page: <http://www.gnu.org/software/gsasl/>

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SEE ALSO

The full documentation for **gsasl** is maintained as a Texinfo manual. If the **info** and **gsasl** programs are properly installed at your site, the command

info gsasl

should give you access to the complete manual. As an alternative you may obtain the manual from:

<http://www.gnu.org/software/gsasl/manual/>