maxfwd Module

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Revision History

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Chapter 1. User's Guide

1.1. Overview

The module implements all the operations regarding MaX-Forward header field, like adding it (if not present) or decrementing and checking the value of the existent one.

1.2. Dependencies

1.2.1. SER Modules

The following modules must be loaded before this module:

- *No dependencies on other SER modules*.

1.2.2. External Libraries or Applications

The following libraries or applications must be installed before running SER with this module loaded:

- *None*.

1.3. Exported Functions

1.3.1. `mf_process_maxfwd_header(max_value)`

If no Max-Forward header is present in the received request, a header will be added having the original value equal with "max_value". An OK code is returned by the function.

If a Max-Forward header is already present, its value will be decremented. If after this operation its value will be positive non-zero, an OK code will be returned. Otherwise (for a zero value) an error code will be returned. Note that an error code will be also returned if the SIP message couldn't be parsed or if the Max-Forward header's body invalid (non numerical string or negative numerical value).

Meaning of the parameters is as follows:

- *max_value* - Value to be added if there is no Max-Forwards header field in the message.

Example 1-1. `mx_process_maxfwd_header` usage

```
...
# initial sanity checks -- messages with
# max_forwards==0, or excessively long requests
if (!mf_process_maxfwd_header("10")) {
    sl_send_reply("483","Too Many Hops");
    break;
};
...
```

Chapter 2. Developer's Guide

The module does not provide any sort of API to use in other SER modules.

Chapter 3. Frequently Asked Questions

1. Where can I find more about SER?

Take a look at http://iptel.org/ser.

2. Where can I post a question about this module?

First at all check if your question was already answered on one of our mailing lists:

- http://mail.iptel.org/mailman/listinfo/serusers
- http://mail.iptel.org/mailman/listinfo/serdev

E-mails regarding any stable version should be sent to <serusers@iptel.org> and e-mail regarding development versions or CVS snapshots should be send to <serdev@iptel.org>.

If you want to keep the mail private, send it to <serhelp@iptel.org>.

3. How can I report a bug?

Please follow the guidelines provided at: http://iptel.org/ser/bugs