

# **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>](mailto:serusers@iptel.org) and e-mail regarding development versions or CVS snapshots should be send to [<serdev@iptel.org>](mailto:serdev@iptel.org).

If you want to keep the mail private, send it to [<serhelp@iptel.org>](mailto:serhelp@iptel.org).

## 3. How can I report a bug?

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