

# **textops Module**

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# Chapter 1. User's Guide

## 1.1. Overview

This is mostly an example module. It implements text based operation (search, replace, append a.s.o).

### 1.1.1. Known Limitations

search ignores folded lines. For example, search("(From|f):.\*@foo.bar") doesn't match the following From header field:

```
From: medabeda
<sip:medameda@foo.bar>;tag=1234
```

## 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. search(re)

Searches for the re in the message.

Meaning of the parameters is as follows:

- *re* - Regular expression.

#### **Example 1-1. search usage**

```
...
if ( search("[Ss][Ee][Rr]" ) { /*...*/ };
...
```

### **1.3.2. search\_append(re, txt)**

Searches for the first match of *re* and appends *txt* after it.

Meaning of the parameters is as follows:

- *re* - Regular expression.
- *txt* - String to be appended.

#### **Example 1-2. search\_append usage**

```
...
search_append("[Ss]er", " blabla");
...
```

### **1.3.3. replace(re, txt)**

Replaces the first occurrence of *re* with *txt*.

Meaning of the parameters is as follows:

- *re* - Regular expression.
- *txt* - String.

#### **Example 1-3. replace usage**

```
...
replace("ser", "Sip Express Router");
...
```

### **1.3.4. append\_to\_reply(txt)**

Append *txt* to the reply.

Meaning of the parameters is as follows:

- *txt* - String.

**Example 1-4. `append_to_reply` usage**

```
...
append_to_reply("Foo: bar\r\n");
...
```

**1.3.5. `append_hf(hf)`**

Appends *txt* after the last header field.

Meaning of the parameters is as follows:

- *hf* - Header field to be appended.

**Example 1-5. `append_hf` usage**

```
...
append_hf("P-hint: VOICEMAIL\r\n");
...
```

**1.3.6. `append_urihf(prefix, suffix)`**

Append header field name with original Request-URI in middle.

Meaning of the parameters is as follows:

- *prefix* - string (usually at least header field name).
- *suffix* - string (usually at least line terminator).

**Example 1-6. `append_urihf` usage**

```
...
append_urihf("CC-Diversion: ", "\r\n");
...
```

**1.3.7. `is_present_hf(hf_name)`**

Return true if a header field is present in message.

**Note:** Takes header field names “as is” and doesn’t distinguish compact names.

Meaning of the parameters is as follows:

- *hf\_name* - Header field name.

**Example 1-7. `is_present_hf` usage**

```
...  
if (is_present_hf("From")) log(1, "From HF Present");  
...
```



## 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>