

**NAME**

Mail::Message::Body::String – body of a Mail::Message stored as single string

**INHERITANCE**

```
Mail::Message::Body::String
    is a Mail::Message::Body
    is a Mail::Reporter
```

**SYNOPSIS**

See Mail::Message::Body

**DESCRIPTION**

The body (content) of a message can be stored in various ways. In this documentation you will find the description of extra functionality you have when a message is stored as a single scalar.

Storing a whole message in one string is only a smart choice when the content is small or encoded. Even when stored as a scalar, you can still treat the body as if the data is stored in lines or an external file, but this will be slower.

Extends “DESCRIPTION” in Mail::Message::Body.

**OVERLOADED**

Extends “OVERLOADED” in Mail::Message::Body.

overload: “”

Inherited, see “OVERLOADED” in Mail::Message::Body

overload: '==' and '!=’

Inherited, see “OVERLOADED” in Mail::Message::Body

overload: @{}

Inherited, see “OVERLOADED” in Mail::Message::Body

overload: **bool**

Inherited, see “OVERLOADED” in Mail::Message::Body

**METHODS**

Extends “METHODS” in Mail::Message::Body.

**Constructors**

Extends “Constructors” in Mail::Message::Body.

\$obj->**clone()**

Inherited, see “Constructors” in Mail::Message::Body

Mail::Message::Body::String->**new**(%options)

-Option	--Defined in	--Default
based_on	Mail::Message::Body	undef
charset	Mail::Message::Body	'PERL' or <undef>
checked	Mail::Message::Body	<false>
content_id	Mail::Message::Body	undef
data	Mail::Message::Body	undef
description	Mail::Message::Body	undef
disposition	Mail::Message::Body	undef
eol	Mail::Message::Body	'NATIVE'
file	Mail::Message::Body	undef
filename	Mail::Message::Body	undef
log	Mail::Reporter	'WARNINGS'
message	Mail::Message::Body	undef
mime_type	Mail::Message::Body	'text/plain'
modified	Mail::Message::Body	<false>
trace	Mail::Reporter	'WARNINGS'
transfer_encoding	Mail::Message::Body	'none'

```

based_on => BODY
charset => CHARSET|'PERL'
checked => BOOLEAN
content_id => STRING
data => ARRAY-OF-LINES | STRING
description => STRING|FIELD
disposition => STRING|FIELD
eol => 'CR'|'LF'|'CRLF'|'NATIVE'
file => FILENAME|FILEHANDLE|IOHANDLE
filename => FILENAME
log => LEVEL
message => MESSAGE
mime_type => STRING|FIELD|MIME
modified => BOOLEAN
trace => LEVEL
transfer_encoding => STRING|FIELD

```

### Constructing a body

Extends “Constructing a body” in Mail::Message::Body.

`$obj->attach($messages, %options)`

Inherited, see “Constructing a body” in Mail::Message::Body::Construct

`$obj->check()`

Inherited, see “Constructing a body” in Mail::Message::Body::Encode

`$obj->concatenate($components)`

Inherited, see “Constructing a body” in Mail::Message::Body::Construct

`$obj->decoded(%options)`

Inherited, see “Constructing a body” in Mail::Message::Body

`$obj->encode(%options)`

Inherited, see “Constructing a body” in Mail::Message::Body::Encode

`$obj->encoded()`

Inherited, see “Constructing a body” in Mail::Message::Body::Encode

`$obj->eol(['CR'|'LF'|'CRLF'|'NATIVE'])`

Inherited, see “Constructing a body” in Mail::Message::Body

`$obj->foreachLine(CODE)`

Inherited, see “Constructing a body” in Mail::Message::Body::Construct

`$obj->stripSignature(%options)`

Inherited, see “Constructing a body” in Mail::Message::Body::Construct

`$obj->unify($body)`

Inherited, see “Constructing a body” in Mail::Message::Body::Encode

### The body

Extends “The body” in Mail::Message::Body.

`$obj->isDelayed()`

Inherited, see “The body” in Mail::Message::Body

`$obj->isMultipart()`

Inherited, see “The body” in Mail::Message::Body

`$obj->isNested()`

Inherited, see “The body” in Mail::Message::Body

`$obj->message( [$message] )`

Inherited, see “The body” in Mail::Message::Body

`$obj->partNumberOf($part)`

Inherited, see “The body” in Mail::Message::Body

### About the payload

Extends “About the payload” in Mail::Message::Body.

`$obj->charset()`

Inherited, see “About the payload” in Mail::Message::Body

`$obj->checked( [BOOLEAN] )`

Inherited, see “About the payload” in Mail::Message::Body

`$obj->contentId( [STRING|$field] )`

Inherited, see “About the payload” in Mail::Message::Body

`$obj->description( [STRING|$field] )`

Inherited, see “About the payload” in Mail::Message::Body

`$obj->disposition( [STRING|$field] )`

Inherited, see “About the payload” in Mail::Message::Body

`$obj->dispositionFilename( [$directory] )`

Inherited, see “About the payload” in Mail::Message::Body::Encode

`$obj->isBinary()`

Inherited, see “About the payload” in Mail::Message::Body::Encode

`$obj->isText()`

Inherited, see “About the payload” in Mail::Message::Body::Encode

`$obj->mimeType()`

Inherited, see “About the payload” in Mail::Message::Body

`$obj->nrLines()`

Inherited, see “About the payload” in Mail::Message::Body

`$obj->size()`

Inherited, see “About the payload” in Mail::Message::Body

`$obj->transferEncoding( [STRING|$field] )`

Inherited, see “About the payload” in Mail::Message::Body

`$obj->type( [STRING|$field] )`

Inherited, see “About the payload” in Mail::Message::Body

### Access to the payload

Extends “Access to the payload” in Mail::Message::Body.

`$obj->endsOnNewline()`

Inherited, see “Access to the payload” in Mail::Message::Body

`$obj->file()`

Inherited, see “Access to the payload” in Mail::Message::Body

`$obj->lines()`

Inherited, see “Access to the payload” in Mail::Message::Body

`$obj->print( [$fh] )`

Inherited, see “Access to the payload” in Mail::Message::Body

`$obj->printEscapedFrom($fh)`

Inherited, see “Access to the payload” in Mail::Message::Body

`$obj->string()`

Inherited, see “Access to the payload” in Mail::Message::Body

`$obj->stripTrailingNewline()`

Inherited, see “Access to the payload” in Mail::Message::Body

`$obj->write(%options)`

Inherited, see “Access to the payload” in Mail::Message::Body

## Internals

Extends “Internals” in Mail::Message::Body.

`$obj->addTransferEncHandler( $name, <$class$object> )`

Mail::Message::Body::String->**addTransferEncHandler**( \$name, <\$class\$object> )

Inherited, see “Internals” in Mail::Message::Body::Encode

`$obj->contentInfoFrom($head)`

Inherited, see “Internals” in Mail::Message::Body

`$obj->contentInfoTo($head)`

Inherited, see “Internals” in Mail::Message::Body

`$obj->fileLocation( [$begin, $end] )`

Inherited, see “Internals” in Mail::Message::Body

`$obj->getTransferEncHandler($type)`

Inherited, see “Internals” in Mail::Message::Body::Encode

`$obj->isModified()`

Inherited, see “Internals” in Mail::Message::Body

`$obj->load()`

Inherited, see “Internals” in Mail::Message::Body

`$obj->modified( [BOOLEAN] )`

Inherited, see “Internals” in Mail::Message::Body

`$obj->moveLocation( [$distance] )`

Inherited, see “Internals” in Mail::Message::Body

`$obj->read( $parser, $head, $bodytype, [$chars, [$lines]] )`

Inherited, see “Internals” in Mail::Message::Body

## Error handling

Extends “Error handling” in Mail::Message::Body.

`$obj->AUTOLOAD()`

Inherited, see “Error handling” in Mail::Message::Body

`$obj->addReport($object)`

Inherited, see “Error handling” in Mail::Reporter

`$obj->defaultTrace( [$level][[$loglevel, $tracelevel]][[$level, $callback] ]`

Mail::Message::Body::String->**defaultTrace**( [\$level][[\$loglevel, \$tracelevel]][[\$level, \$callback] ] )

Inherited, see “Error handling” in Mail::Reporter

`$obj->errors()`

Inherited, see “Error handling” in Mail::Reporter

`$obj->log( [$level, [$strings]] )`

Mail::Message::Body::String->**log**( [\$level, [\$strings]] )

Inherited, see “Error handling” in Mail::Reporter

`$obj->logPriority($level)`  
 Mail::Message::Body::String->logPriority(\$level)  
 Inherited, see “Error handling” in Mail::Reporter

`$obj->logSettings()`  
 Inherited, see “Error handling” in Mail::Reporter

`$obj->notImplemented()`  
 Inherited, see “Error handling” in Mail::Reporter

`$obj->report( [$level] )`  
 Inherited, see “Error handling” in Mail::Reporter

`$obj->reportAll( [$level] )`  
 Inherited, see “Error handling” in Mail::Reporter

`$obj->trace( [$level] )`  
 Inherited, see “Error handling” in Mail::Reporter

`$obj->warnings()`  
 Inherited, see “Error handling” in Mail::Reporter

**Cleanup**

Extends “Cleanup” in Mail::Message::Body.

`$obj->DESTROY()`  
 Inherited, see “Cleanup” in Mail::Reporter

**DETAILS**

Extends “DETAILS” in Mail::Message::Body.

**DIAGNOSTICS**

Warning: Charset \$name is not known

The encoding or decoding of a message body encounters a character set which is not understood by Perl’s Encode module.

Warning: No decoder defined for transfer encoding \$name.

The data (message body) is encoded in a way which is not currently understood, therefore no decoding (or recoding) can take place.

Warning: No encoder defined for transfer encoding \$name.

The data (message body) has been decoded, but the required encoding is unknown. The decoded data is returned.

Error: Package \$package does not implement \$method.

Fatal error: the specific package (or one of its superclasses) does not implement this method where it should. This message means that some other related classes do implement this method however the class at hand does not. Probably you should investigate this and probably inform the author of the package.

Error: Unable to read file \$filename for message body scalar: \$!

A Mail::Message::Body::String object is to be created from a named file, but it is impossible to read that file to retrieve the lines within.

Warning: Unknown line terminator \$eol ignored

**SEE ALSO**

This module is part of Mail-Message distribution version 3.012, built on February 11, 2022. Website: <http://perl.overmeer.net/CPAN/>

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