

NAME

Mail::Message::Body::Nested – body of a message which contains a message

INHERITANCE

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

SYNOPSIS

See Mail::Message::Body

```
if($body->isNested) {
    my $nest = $body->nested;
    $nest->delete;
}
```

DESCRIPTION

The body (content) of a message can be stored in various ways. In this manual-page you find the description of extra functionality you have when a message contains a nested message, like `message/rfc822`.

A nested message is different from a multipart message which contains only one element, because a nested message has a full set of message header fields defined by the RFC882, where a part of a multipart has only a few. But because we do not keep track whether all fields are presented, a `Mail::Message::Part` is used anyway.

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::Nested->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	'message/rfc822'
modified	Mail::Message::Body	<false>
nested		undef
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
nested => MESSAGE

```

The message which is encapsulated within this body.

```

trace => LEVEL
transfer_encoding => STRING|FIELD

```

example:

```

my $msg = $folder->message(3);
my $encaps= Mail::Message::Body::Nested->new(nested => $msg);

# The body will be coerced into a message, which lacks a few
# lines but we do not bother.
my $intro = Mail::Message::Body->new(data => ...);
my $body = Mail::Message::Body::Nested->new(nested => $intro);

```

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))`

It is NOT possible to call some code for each line of a nested because that would damage the header of the encapsulated message

`$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->forNested(CODE)`
 Execute the CODE for the nested message. This returns a new nested body object. Returns undef when the CODE returns undef.

`$obj->lines()`
 Inherited, see “Access to the payload” in Mail::Message::Body

`$obj->nested()`
 Returns the Mail::Message::Part message which is enclosed within this 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::Nested->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, $callback])`
`Mail::Message::Body::Nested->defaultTrace([$level][[$loglevel, $tracelevel]][$level, $callback]`
`)`
 Inherited, see “Error handling” in Mail::Reporter

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

`$obj->log([$level, [$strings]])`
`Mail::Message::Body::Nested->log([$level, [$strings]])`
 Inherited, see “Error handling” in Mail::Reporter

`$obj->logPriority($level)`
`Mail::Message::Body::Nested->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.

Warning: Unknown line terminator `$eol` ignored

Error: You cannot use `foreachLine` on a nested

`foreachLine()` should be used on decoded message bodies only, because it would modify the header of the encapsulated message. which is clearly not acceptable.

SEE ALSO

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

LICENSE

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