

NAME

Mail::Box::Net::Message – one message from a distant folder

INHERITANCE

```
Mail::Box::Net::Message
  is a Mail::Box::Message
  is a Mail::Message
  is a Mail::Reporter
```

```
Mail::Box::Net::Message is extended by
  Mail::Box::IMAP4::Message
  Mail::Box::POP3::Message
```

SYNOPSIS

```
my $folder = new Mail::Box::POP3 ...
my $message = $folder->message(10);
```

DESCRIPTION

A Mail::Box::Net::Message represents one message in a folder which can only be accessed via some kind of protocol. On this moment, only a POP3 client is available. IMAP, DBI, and NNTP are other candidates.

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

METHODS

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

Constructors

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

`$obj->clone(%options)`

Inherited, see “Constructors” in Mail::Message

`Mail::Box::Net::Message->new(%options)`

-Option	--Defined in	--Default
body	Mail::Message	undef
body_type	Mail::Box::Message	<from folder>
deleted	Mail::Message	<false>
field_type	Mail::Message	undef
folder	Mail::Box::Message	<required>
head	Mail::Message	undef
head_type	Mail::Message	Mail::Message::Head::Complete
labels	Mail::Message	{ }
log	Mail::Reporter	'WARNINGS'
messageId	Mail::Message	undef
modified	Mail::Message	<false>
size	Mail::Box::Message	undef
trace	Mail::Reporter	'WARNINGS'
trusted	Mail::Message	<false>
unique		<unique string>

body => OBJECT

body_type => CODE|CLASS

deleted => BOOLEAN

field_type => CLASS

folder => FOLDER

head => OBJECT

head_type => CLASS

labels => ARRAY|HASH

```

log => LEVEL
messageId => STRING
modified => BOOLEAN
size => INTEGER
trace => LEVEL
trusted => BOOLEAN
unique => STRING

```

The unique keys which identifies this message on the remote server.

Constructing a message

Extends “Constructing a message” in Mail::Box::Message.

`$obj->bounce([<$rg_object|%options>])`

Inherited, see “Constructing a message” in Mail::Message::Construct::Bounce

`Mail::Box::Net::Message->build([$message|$part|$body], $content)`

Inherited, see “Constructing a message” in Mail::Message::Construct::Build

`Mail::Box::Net::Message->buildFromBody($body, [$head], $headers)`

Inherited, see “Constructing a message” in Mail::Message::Construct::Build

`$obj->forward(%options)`

Inherited, see “Constructing a message” in Mail::Message::Construct::Forward

`$obj->forwardAttach(%options)`

Inherited, see “Constructing a message” in Mail::Message::Construct::Forward

`$obj->forwardEncapsulate(%options)`

Inherited, see “Constructing a message” in Mail::Message::Construct::Forward

`$obj->forwardInline(%options)`

Inherited, see “Constructing a message” in Mail::Message::Construct::Forward

`$obj->forwardNo(%options)`

Inherited, see “Constructing a message” in Mail::Message::Construct::Forward

`$obj->forwardPostlude()`

Inherited, see “Constructing a message” in Mail::Message::Construct::Forward

`$obj->forwardPrelude()`

Inherited, see “Constructing a message” in Mail::Message::Construct::Forward

`$obj->forwardSubject(STRING)`

Inherited, see “Constructing a message” in Mail::Message::Construct::Forward

`Mail::Box::Net::Message->read($fh|STRING|SCALAR|ARRAY, %options)`

Inherited, see “Constructing a message” in Mail::Message::Construct::Read

`$obj->rebuild(%options)`

Inherited, see “Constructing a message” in Mail::Message::Construct::Rebuild

`$obj->reply(%options)`

Inherited, see “Constructing a message” in Mail::Message::Construct::Reply

`$obj->replyPrelude([STRING|$field|$address|ARRAY-$of-$things])`

Inherited, see “Constructing a message” in Mail::Message::Construct::Reply

`$obj->replySubject(STRING)`

`Mail::Box::Net::Message->replySubject(STRING)`

Inherited, see “Constructing a message” in Mail::Message::Construct::Reply

The message

Extends “The message” in Mail::Box::Message.

`$obj->container()`

Inherited, see “The message” in Mail::Message

`$obj->copyTo($folder, %options)`

Inherited, see “The message” in Mail::Box::Message

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

Inherited, see “The message” in Mail::Box::Message

`$obj->isDummy()`

Inherited, see “The message” in Mail::Message

`$obj->isPart()`

Inherited, see “The message” in Mail::Message

`$obj->messageId()`

Inherited, see “The message” in Mail::Message

`$obj->moveTo($folder, %options)`

Inherited, see “The message” in Mail::Box::Message

`$obj->partNumber()`

Inherited, see “The message” in Mail::Message

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

Inherited, see “The message” in Mail::Message

`$obj->send([$mailer], %options)`

Inherited, see “The message” in Mail::Message

`$obj->seqnr([$integer])`

Inherited, see “The message” in Mail::Box::Message

`$obj->size()`

Inherited, see “The message” in Mail::Message

`$obj->toplevel()`

Inherited, see “The message” in Mail::Message

`$obj->unique([STRING|undef])`

Returns the name of the file in which this message is actually stored. This will return `undef` when the message is not stored in a file. When a `STRING` is specified, a new identifier is stored first.

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

Inherited, see “The message” in Mail::Message

The header

Extends “The header” in Mail::Box::Message.

`$obj->bcc()`

Inherited, see “The header” in Mail::Message

`$obj->cc()`

Inherited, see “The header” in Mail::Message

`$obj->date()`

Inherited, see “The header” in Mail::Message

`$obj->destinations()`

Inherited, see “The header” in Mail::Message

`$obj->from()`

Inherited, see “The header” in Mail::Message

`$obj->get($fieldname)`

Inherited, see “The header” in Mail::Message

`$obj->guessTimestamp()`

Inherited, see “The header” in Mail::Message

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

Inherited, see “The header” in Mail::Message

`$obj->nrLines()`

Inherited, see “The header” in Mail::Message

`$obj->sender()`

Inherited, see “The header” in Mail::Message

`$obj->study($fieldname)`

Inherited, see “The header” in Mail::Message

`$obj->subject()`

Inherited, see “The header” in Mail::Message

`$obj->timestamp()`

Inherited, see “The header” in Mail::Message

`$obj->to()`

Inherited, see “The header” in Mail::Message

The body

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

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

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

`$obj->contentType()`

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

`$obj->decoded(%options)`

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

`$obj->encode(%options)`

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

`$obj->isMultipart()`

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

`$obj->isNested()`

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

`$obj->parts([<'ALL'|'ACTIVE'|'DELETED'|'RECURSE'|$filter>])`

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

Flags

Extends “Flags” in Mail::Box::Message.

`$obj->delete()`

Inherited, see “Flags” in Mail::Message

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

Inherited, see “Flags” in Mail::Message

`$obj->isDeleted()`

Inherited, see “Flags” in Mail::Message

`$obj->isModified()`

Inherited, see “Flags” in Mail::Message

`$obj->label($label|PAIRS)`

Inherited, see “Flags” in Mail::Message

`$obj->labels()`
Inherited, see “Flags” in Mail::Message

`$obj->labelsToStatus()`
Inherited, see “Flags” in Mail::Message

`$obj->modified([BOOLEAN])`
Inherited, see “Flags” in Mail::Message

`$obj->statusToLabels()`
Inherited, see “Flags” in Mail::Message

The whole message as text

Extends “The whole message as text” in Mail::Box::Message.

`$obj->file()`
Inherited, see “The whole message as text” in Mail::Message::Construct::Text

`$obj->lines()`
Inherited, see “The whole message as text” in Mail::Message::Construct::Text

`$obj->printStructure([$fh|undef],[$indent])`
Inherited, see “The whole message as text” in Mail::Message::Construct::Text

`$obj->string()`
Inherited, see “The whole message as text” in Mail::Message::Construct::Text

Internals

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

`$obj->clonedFrom()`
Inherited, see “Internals” in Mail::Message

`Mail::Box::Net::Message->coerce($message,%options)`
Inherited, see “Internals” in Mail::Message

`$obj->diskDelete()`
Inherited, see “Internals” in Mail::Box::Message

`$obj->isDelayed()`
Inherited, see “Internals” in Mail::Message

`$obj->loadBody()`
`$obj->readBody($parser, $head, [$bodytype])`
Inherited, see “Internals” in Mail::Box::Message

`$obj->readFromParser($parser, [$bodytype])`
Inherited, see “Internals” in Mail::Message

`$obj->readHead($parser, [$class])`
Inherited, see “Internals” in Mail::Message

`$obj->recursiveRebuildPart($part,%options)`
Inherited, see “Internals” in Mail::Message::Construct::Rebuild

`$obj->storeBody($body)`
Inherited, see “Internals” in Mail::Message

`$obj->takeMessageId([STRING])`
Inherited, see “Internals” in Mail::Message

Error handling

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

`$obj->AUTOLOAD()`
Inherited, see “METHODS” in Mail::Message::Construct

`$obj->addReport($object)`

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

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

Mail::Box::Net::Message->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::Box::Net::Message->log([\$level, [\$strings]])

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

`$obj->logPriority($level)`

Mail::Box::Net::Message->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

`$obj->shortSize([$value])`

Mail::Box::Net::Message->shortSize([\$value])

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

`$obj->shortString()`

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

`$obj->trace([$level])`

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

`$obj->warnings()`

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

Cleanup

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

`$obj->DESTROY()`

Inherited, see “Cleanup” in Mail::Reporter

`$obj->destruct()`

Inherited, see “Cleanup” in Mail::Box::Message

DETAILS

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

DIAGNOSTICS

Error: Cannot coerce a `$class` object into a `$class` object

Error: Cannot include forward source as `$include`.

Unknown alternative for the forward(include). Valid choices are NO, INLINE, ATTACH, and ENCAPSULATE.

Error: Cannot include reply source as `$include`.

Unknown alternative for the include option of **reply()**. Valid choices are NO, INLINE, and ATTACH.

Error: Method bounce requires To, Cc, or Bcc

The message **bounce()** method forwards a received message off to someone else without modification; you must specify its new destination. If you have the urge not to specify any destination, you probably are looking for **reply()**. When you wish to modify the content, use **forward()**.

Error: Method forwardAttach requires a preamble

Error: Method forwardEncapsulate requires a preamble

Error: No address to create forwarded to.

If a forward message is created, a destination address must be specified.

Error: No default mailer found to send message.

The message **send()** mechanism had not enough information to automatically find a mail transfer agent to send this message. Specify a mailer explicitly using the `via` options.

Error: No rebuild rule \$name defined.

Error: Only **build()** Mail::Message's; they are not in a folder yet

You may wish to construct a message to be stored in a some kind of folder, but you need to do that in two steps. First, create a normal Mail::Message, and then add it to the folder. During this **Mail::Box::addMessage()** process, the message will get **coerce()**-d into the right message type, adding storage information and the like.

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 delayed body.

Error: Unable to read delayed head.

Error: coercion starts with some object

SEE ALSO

This module is part of Mail-Box distribution version 3.009, built on August 18, 2020. Website: <http://perl.overmeer.net/CPAN/>

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