NAME

Mail::Message::Body::File – body of a message temporarily stored in a file

INHERITANCE

```
Mail::Message::Body::File
   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 find the description of extra functionality you have when a message is stored in a file.

Storing a whole message is a file is useful when the body is large. Although access through a file is slower, it is saving a lot of memory.

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::File−>**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::File−>**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

$obj−>**tempFilename**([$filename])
>   Returns the name of the temporary file which is used to store this 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, $callback])
Mail::Message::Body::File−>**defaultTrace**([$level]|[$loglevel, $tracelevel]|[$level, $callback])
>   Inherited, see "Error handling" in Mail::Reporter

$obj−>**errors**()
>   Inherited, see "Error handling" in Mail::Reporter

$obj−>**log**([$level, [$strings]])
Mail::Message::Body::File−>**log**([$level, [$strings]])
>   Inherited, see "Error handling" in Mail::Reporter

$obj−>**logPriority**($level)
Mail::Message::Body::File−>**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**()
     The temporary file is automatically removed when the body is not required anymore.

DETAILS
     Extends "DETAILS" in Mail::Message::Body.

DIAGNOSTICS
     Error: Cannot write to temporary body file $filename: $!
          The message body is to be stored in a temporary file (probably because it is a large body), but for the indicated reason, this file cannot be created.

     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 file: $!
          A Mail::Message::Body::File object is to be created from a named file, but it is impossible to read that file to retrieve the lines within. Therefore, no copy to a temporary file can be made.

     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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