NAME

Mail::Message::Head::Subset – subset of header information of a message

INHERITANCE

```
Mail::Message::Head::Subset realizes a Mail::Message::Head::Complete

Mail::Message::Head::Subset
  is a Mail::Message::Head
  is a Mail::Reporter
```

SYNOPSIS

```
my $subset = Mail::Message::Head::Subset->new(...)
$subset->isa('Mail::Message::Head')   # true
$subset->guessBodySize                # integer or undef
$subset->isDelayed                    # true
```

DESCRIPTION

Some types of folders contain an index file which lists a few lines of information per messages. Especially when it is costly to read header lines, the index speeds-up access considerably. For instance, the subjects of all messages are often wanted, but waiting for a thousand messages of the folder to be read may imply a thousand network reads (IMAP) or file openings (MH)

When you access header fields which are not in the header subset, the whole header has to be parsed (which may consume considerable time, depending on the type of folder).

Extends ''DESCRIPTION'' in Mail::Message::Head.

OVERLOADED

Extends ''OVERLOADED'' in Mail::Message::Head.

overload: **""**
      Inherited, see ''OVERLOADED'' in Mail::Message::Head

overload: **bool**
      Inherited, see ''OVERLOADED'' in Mail::Message::Head

METHODS

Extends ''METHODS'' in Mail::Message::Head.

Constructors

Extends ''Constructors'' in Mail::Message::Head.

Mail::Message::Head::Subset–>**build**([PAIR|$field]–LIST)
      Inherited, see ''Constructors'' in Mail::Message::Head

Mail::Message::Head::Subset–>**new**(%options)
      Inherited, see ''Constructors'' in Mail::Message::Head

The header

Extends ''The header'' in Mail::Message::Head.

$obj–>**isDelayed**()
      Inherited, see ''The header'' in Mail::Message::Head

$obj–>**isEmpty**()
      Inherited, see ''The header'' in Mail::Message::Head

$obj–>**isModified**()
      Inherited, see ''The header'' in Mail::Message::Head

$obj–>**knownNames**()
      Inherited, see ''The header'' in Mail::Message::Head

$obj→**message**([$message])
>   Inherited, see "The header" in Mail::Message::Head

$obj→**modified**([BOOLEAN])
>   Inherited, see "The header" in Mail::Message::Head

$obj→**orderedFields**()
>   Inherited, see "The header" in Mail::Message::Head

Access to the header
>   Extends "Access to the header" in Mail::Message::Head.

$obj→**count**($name)
>   Count the number of fields with this $name. If the $name cannot be found, the full header get loaded. In case we find any $name field, it is decided we know all of them, and loading is not needed.

$obj→**get**($name, [$index])
>   Get the data which is related to the field with the $name. The case of the characters in $name does not matter. When a $name is used which is not known yet, realization will take place.

$obj→**study**($name, [$index])
>   Inherited, see "Access to the header" in Mail::Message::Head

About the body
>   Extends "About the body" in Mail::Message::Head.

$obj→**guessBodySize**()
>   The body size is defined in the Content-Length field. However, this field may not be known. In that case, a guess is made based on the known Lines field. When also that field is not known yet, undef is returned.

$obj→**isMultipart**()
>   Inherited, see "About the body" in Mail::Message::Head

Internals
>   Extends "Internals" in Mail::Message::Head.

$obj→**addNoRealize**($field)
>   Inherited, see "Internals" in Mail::Message::Head

$obj→**addOrderedFields**($fields)
>   Inherited, see "Internals" in Mail::Message::Head

$obj→**fileLocation**()
>   Inherited, see "Internals" in Mail::Message::Head

$obj→**load**()
>   Inherited, see "Internals" in Mail::Message::Head

$obj→**moveLocation**($distance)
>   Inherited, see "Internals" in Mail::Message::Head

$obj→**read**($parser)
>   Inherited, see "Internals" in Mail::Message::Head

$obj→**setNoRealize**($field)
>   Inherited, see "Internals" in Mail::Message::Head

Error handling
>   Extends "Error handling" in Mail::Message::Head.

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

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

$obj−>**defaultTrace**([$level]|[$loglevel, $tracelevel]|[$level, $callback])
Mail::Message::Head::Subset−>**defaultTrace**([$level]|[$loglevel, $tracelevel]|[$level, $callback])
> Inherited, see "Error handling" in Mail::Reporter

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

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

$obj−>**logPriority**($level)
Mail::Message::Head::Subset−>**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::Head.

$obj−>**DESTROY**()
> Inherited, see "Cleanup" in Mail::Reporter

DETAILS

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

DIAGNOSTICS

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.

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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