

NAME

Mail::Message::Field::Unstructured – smart unstructured field

INHERITANCE

```
Mail::Message::Field::Unstructured
  is a Mail::Message::Field::Full
  is a Mail::Message::Field
  is a Mail::Reporter
```

SYNOPSIS

```
my $f = Mail::Message::Field::Unstructured->new('Comments', 'hi!');
```

DESCRIPTION

Unstructured fields do contain information which is not restricted in any way. RFC2822 defines some unstructured fields, but by default all unknown fields are unstructured as well. Things like attributes and comments have no meaning for unstructured fields, but encoding does.

Extends “DESCRIPTION” in Mail::Message::Field::Full.

OVERLOADED

Extends “OVERLOADED” in Mail::Message::Field::Full.

overload: “”

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

overload: 0+

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

overload: <=>

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

overload: bool

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

overload: cmp

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

overload: stringification

Inherited, see “OVERLOADED” in Mail::Message::Field::Full

METHODS

Extends “METHODS” in Mail::Message::Field::Full.

Constructors

Extends “Constructors” in Mail::Message::Field::Full.

`$obj->clone()`

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

`Mail::Message::Field::Unstructured->from($field, %options)`

Inherited, see “Constructors” in Mail::Message::Field::Full

`Mail::Message::Field::Unstructured->new($data)`

When the `$data` is specified as single line, the content part is considered to be correctly (character) encoded and escaped. Typically, it is a line as read from file. The folding of the line is kept as is.

In case more than one argument is provided, the second is considered the BODY. Attributes and other special things are not defined for unstructured fields, and therefore not valid options. The BODY can be a single string, a single OBJECT, or an array of OBJECTS. The objects are stringified (into a comma separated list). Each BODY element is interpreted with the specified encoding.

When the BODY is empty, the construction of the object fails: `undef` is returned.

-Option	--Defined in	--Default
charset	Mail::Message::Field::Full	undef
encoding	Mail::Message::Field::Full	'q'
force	Mail::Message::Field::Full	false
language	Mail::Message::Field::Full	undef
log	Mail::Reporter	'WARNINGS'
trace	Mail::Reporter	'WARNINGS'

```

charset => STRING
encoding => 'q'|'Q'|'b'|'B'
force => BOOLEAN
language => STRING
log => LEVEL
trace => LEVEL

```

example:

```

my $s = Mail::Message::Field::Unstructured->new('Comment', 'Hi!');

# Use autodetect
my $s = Mail::Message::Field::Full->new('Comment', 'Hi!');
my $s = Mail::Message::Field::Full->new('Comment: Hi!');

```

The field

Extends “The field” in Mail::Message::Field::Full.

`$obj->isStructured()`

Mail::Message::Field::Unstructured->isStructured()

Inherited, see “The field” in Mail::Message::Field

`$obj->length()`

Inherited, see “The field” in Mail::Message::Field

`$obj->nrLines()`

Inherited, see “The field” in Mail::Message::Field

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

Inherited, see “The field” in Mail::Message::Field

`$obj->size()`

Inherited, see “The field” in Mail::Message::Field

`$obj->string([$wrap])`

Inherited, see “The field” in Mail::Message::Field

`$obj->toDisclose()`

Inherited, see “The field” in Mail::Message::Field

Access to the name

Extends “Access to the name” in Mail::Message::Field::Full.

`$obj->Name()`

Inherited, see “Access to the name” in Mail::Message::Field

`$obj->name()`

Inherited, see “Access to the name” in Mail::Message::Field

`$obj->wellformedName([STRING])`

Inherited, see “Access to the name” in Mail::Message::Field

Access to the body

Extends “Access to the body” in Mail::Message::Field::Full.

`$obj->body()`
 Inherited, see “Access to the body” in Mail::Message::Field

`$obj->decodedBody(%options)`
 Inherited, see “Access to the body” in Mail::Message::Field::Full

`$obj->folded()`
 Inherited, see “Access to the body” in Mail::Message::Field

`$obj->foldedBody([$body])`
 Inherited, see “Access to the body” in Mail::Message::Field

`$obj->stripCFWS([STRING])`
 Mail::Message::Field::Unstructured->stripCFWS([STRING])
 Inherited, see “Access to the body” in Mail::Message::Field

`$obj->unfoldedBody([$body, [$wrap]])`
 Inherited, see “Access to the body” in Mail::Message::Field

Access to the content

Extends “Access to the content” in Mail::Message::Field::Full.

`$obj->addresses()`
 Inherited, see “Access to the content” in Mail::Message::Field

`$obj->attribute($name, [$value])`
 Inherited, see “Access to the content” in Mail::Message::Field

`$obj->attributes()`
 Inherited, see “Access to the content” in Mail::Message::Field

`$obj->beautify()`
 Inherited, see “Access to the content” in Mail::Message::Field::Full

`$obj->comment([STRING])`
 Inherited, see “Access to the content” in Mail::Message::Field

`$obj->createComment(STRING, %options)`
 Mail::Message::Field::Unstructured->createComment(STRING, %options)
 Inherited, see “Access to the content” in Mail::Message::Field::Full

`$obj->createPhrase(STRING, %options)`
 Mail::Message::Field::Unstructured->createPhrase(STRING, %options)
 Inherited, see “Access to the content” in Mail::Message::Field::Full

`$obj->study()`
 Inherited, see “Access to the content” in Mail::Message::Field

`$obj->toDate([$time])`
 Mail::Message::Field::Unstructured->toDate([\$time])
 Inherited, see “Access to the content” in Mail::Message::Field

`$obj->toInt()`
 Inherited, see “Access to the content” in Mail::Message::Field

Other methods

Extends “Other methods” in Mail::Message::Field::Full.

`$obj->dateToTimestamp(STRING)`
 Mail::Message::Field::Unstructured->dateToTimestamp(STRING)
 Inherited, see “Other methods” in Mail::Message::Field

Internals

Extends “Internals” in Mail::Message::Field::Full.

`$obj->consume($line | <$name,<$body|$objects>>)`
 Inherited, see “Internals” in Mail::Message::Field

`$obj->decode(STRING, %options)`
 Mail::Message::Field::Unstructured->**decode**(STRING, %options)
 Inherited, see “Internals” in Mail::Message::Field::Full

`$obj->defaultWrapLength([$length])`
 Inherited, see “Internals” in Mail::Message::Field

`$obj->encode(STRING, %options)`
 Inherited, see “Internals” in Mail::Message::Field::Full

`$obj->fold($name, $body, [$maxchars])`
 Mail::Message::Field::Unstructured->**fold**(\$name, \$body, [\$maxchars])
 Inherited, see “Internals” in Mail::Message::Field

`$obj->setWrapLength([$length])`
 Inherited, see “Internals” in Mail::Message::Field

`$obj->stringifyData(STRING|ARRAY|$objects)`
 Inherited, see “Internals” in Mail::Message::Field

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

Parsing

Extends “Parsing” in Mail::Message::Field::Full.

`$obj->consumeComment(STRING)`
 Mail::Message::Field::Unstructured->**consumeComment**(STRING)
 Inherited, see “Parsing” in Mail::Message::Field::Full

`$obj->consumeDotAtom(STRING)`
 Inherited, see “Parsing” in Mail::Message::Field::Full

`$obj->consumePhrase(STRING)`
 Mail::Message::Field::Unstructured->**consumePhrase**(STRING)
 Inherited, see “Parsing” in Mail::Message::Field::Full

`$obj->parse(STRING)`
 Inherited, see “Parsing” in Mail::Message::Field::Full

`$obj->produceBody()`
 Inherited, see “Parsing” in Mail::Message::Field::Full

Error handling

Extends “Error handling” in Mail::Message::Field::Full.

`$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::Field::Unstructured->**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::Field::Unstructured->**log**([\$level, [\$strings]])

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

\$obj->**logPriority**(\$level)

Mail::Message::Field::Unstructured->**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::Field::Full.

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

Inherited, see “Cleanup” in Mail::Reporter

DETAILS

Extends “DETAILS” in Mail::Message::Field::Full.

DIAGNOSTICS

Warning: Field content is not numerical: \$content

The numeric value of a field is requested (for instance the Lines or Content-Length fields should be numerical), however the data contains weird characters.

Warning: Illegal character in charset '\$charset'

The field is created with an utf8 string which only contains data from the specified character set. However, that character set can never be a valid name because it contains characters which are not permitted.

Warning: Illegal character in field name \$name

A new field is being created which does contain characters not permitted by the RFCs. Using this field in messages may break other e-mail clients or transfer agents, and therefore mutilate or extinguish your message.

Warning: Illegal character in language '\$lang'

The field is created with data which is specified to be in a certain language, however, the name of the language cannot be valid: it contains characters which are not permitted by the RFCs.

Warning: Illegal encoding '\$encoding', used 'q'

The RFCs only permit base64 (b or B) or quoted-printable (q or Q) encoding. Other than these four options are illegal.

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-Message distribution version 3.012, built on February 11, 2022. Website:
<http://perl.overmeer.net/CPAN/>

LICENSE

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