NAME

Mail::Message::Field::Date − message header field with uris

INHERITANCE

```
 Mail::Message::Field::Date
   is a Mail::Message::Field::Structured
   is a Mail::Message::Field::Full
   is a Mail::Message::Field
   is a Mail::Reporter
```

SYNOPSIS

```
 my $f = Mail::Message::Field−>new(Date => time);
```

DESCRIPTION

Dates are a little more tricky than it should be: the formatting permits a few constructs more than other RFCs use for timestamps. For instance, a small subset of timezone abbreviations are permitted.

The studied date field will reformat the content into a standard form.

Extends "DESCRIPTION" in Mail::Message::Field::Structured.

OVERLOADED

Extends "OVERLOADED" in Mail::Message::Field::Structured.

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::Structured.

Constructors

Extends "Constructors" in Mail::Message::Field::Structured.

`$obj`−>**clone**()
  Inherited, see "Constructors" in Mail::Message::Field

Mail::Message::Field::Date−>**from**($field, `%options`)
  Inherited, see "Constructors" in Mail::Message::Field::Full

Mail::Message::Field::Date−>**new**($data)

```
 −Option    −−Defined in                      −−Default
  attributes  Mail::Message::Field::Structured  <ignored>
  charset     Mail::Message::Field::Full        undef
  datum       Mail::Message::Field::Structured  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'
```

attributes => ATTRS
charset => STRING
datum => STRING
encoding => ’q’|’Q’|’b’|’B’
force => BOOLEAN
language => STRING
log => LEVEL
trace => LEVEL

example:

```
 my $mmfd = 'Mail::Message::Field::Date';
 my $f = $mmfd->new(Date => time);
```

The field

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

$obj−>**isStructured**()
Mail::Message::Field::Date−>**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::Structured.

$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::Structured.

$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::Date−>**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::Structured.

`$obj`−>**addAttribute**(...)
Attributes are not supported for date fields.

`$obj`−>**addresses**()
Inherited, see ‘‘Access to the content’’ in Mail::Message::Field

`$obj`−>**attrPairs**()
Inherited, see ‘‘Access to the content’’ in Mail::Message::Field::Structured

`$obj`−>**attribute**(`$object`|<STRING, `%options`>|<$name,$value,%options>)
Inherited, see ‘‘Access to the content’’ in Mail::Message::Field::Structured

`$obj`−>**attributes**()
Inherited, see ‘‘Access to the content’’ in Mail::Message::Field::Structured

`$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::Date−>**createComment**(STRING, `%options`)
Inherited, see ‘‘Access to the content’’ in Mail::Message::Field::Full

`$obj`−>**createPhrase**(STRING, `%options`)
Mail::Message::Field::Date−>**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`−>**time**()
Convert date into a timestamp, as produced with **POSIX::time()**.

`$obj`−>**toDate**([$time])
Mail::Message::Field::Date−>**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::Structured.

`$obj`−>**dateToTimestamp**(STRING)
Mail::Message::Field::Date−>**dateToTimestamp**(STRING)
Inherited, see ‘‘Other methods’’ in Mail::Message::Field

Internals

Extends ‘‘Internals’’ in Mail::Message::Field::Structured.

`$obj`−>**consume**(`$line` | <$name,<$body|$objects>>)
Inherited, see ‘‘Internals’’ in Mail::Message::Field

$obj−>**decode**(STRING, %options)
Mail::Message::Field::Date−>**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::Date−>**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::Structured.

$obj−>**consumeComment**(STRING)
Mail::Message::Field::Date−>**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::Date−>**consumePhrase**(STRING)
Inherited, see ''Parsing'' in Mail::Message::Field::Full

$obj−>**datum**([$value])
Inherited, see ''Parsing'' in Mail::Message::Field::Structured

$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::Structured.

$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, $callback])
Mail::Message::Field::Date−>**defaultTrace**([$level]|[$loglevel, $tracelevel]|[$level, $callback])
Inherited, see ''Error handling'' in Mail::Reporter

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

$obj−>**log**([$level, [$strings]])
Mail::Message::Field::Date−>**log**([$level, [$strings]])
Inherited, see ''Error handling'' in Mail::Reporter

`$obj−>`**logPriority**($level)
Mail::Message::Field::Date−>**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::Structured.

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

DETAILS

Extends ‘‘DETAILS’’ in Mail::Message::Field::Structured.

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 mutulate 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: No attributes for date fields.
It is not possible to add attributes to date fields: it is not permitted by the RFCs.

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