

# :mod:`email.errors`: Exception and Defect classes

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 1); [backlink](#)**

Unknown interpreted text role "mod".

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 4)**

Unknown directive type "module".

```
.. module:: email.errors
   :synopsis: The exception classes used by the email package.
```

Source code: `:source:`Lib/email/errors.py``

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 7); [backlink](#)**

Unknown interpreted text role "source".

The following exception classes are defined in the `:mod:`email.errors`` module:

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 11); [backlink](#)**

Unknown interpreted text role "mod".

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 14)**

Unknown directive type "exception".

```
.. exception:: MessageError()

This is the base class for all exceptions that the :mod:`email` package can
raise. It is derived from the standard :exc:`Exception` class and defines no
additional methods.
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 21)**

Unknown directive type "exception".

```
.. exception:: MessageParseError()

This is the base class for exceptions raised by the
:class:`~email.parser.Parser` class. It is derived from
:exc:`MessageError`. This class is also used internally by the parser used
by :mod:`~email.headerregistry`.
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 29)**

Unknown directive type "exception".

```
.. exception:: HeaderParseError()

Raised under some error conditions when parsing the :rfc:`5322` headers of a
message, this class is derived from :exc:`MessageParseError`. The
:meth:`~email.message.EmailMessage.set_boundary` method will raise this
error if the content type is unknown when the method is called.
:class:`~email.header.Header` may raise this error for certain base64
```

decoding errors, and when an attempt is made to create a header that appears to contain an embedded header (that is, there is what is supposed to be a continuation line that has no leading whitespace and looks like a header).

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 41)**

Unknown directive type "exception".

```
.. exception:: BoundaryError()

    Deprecated and no longer used.
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 46)**

Unknown directive type "exception".

```
.. exception:: MultipartConversionError()

    Raised when a payload is added to a :class:`~email.message.Message` object
    using :meth:`add_payload`, but the payload is already a scalar and the
    message's :mailheader:`Content-Type` main type is not either
    :mimetype:`multipart` or missing. :exc:`MultipartConversionError` multiply
    inherits from :exc:`MessageError` and the built-in :exc:`TypeError`.

    Since :meth:`Message.add_payload` is deprecated, this exception is rarely
    raised in practice. However the exception may also be raised if the
    :meth:`~email.message.Message.attach`
    method is called on an instance of a class derived from
    :class:`~email.mime.nonmultipart.MIMENonMultipart` (e.g.
    :class:`~email.mime.image.MIMEImage`).
```

Here is the list of the defects that the :class:`~email.parser.FeedParser` can find while parsing messages. Note that the defects are added to the message where the problem was found, so for example, if a message nested inside a :mimetype:`multipart/alternative` had a malformed header, that nested message object would have a defect, but the containing messages would not.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 62); [backlink](#)**

Unknown interpreted text role "class".

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 62); [backlink](#)**

Unknown interpreted text role "mimetype".

All defect classes are subclassed from :class:`email.errors.MessageDefect`.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 68); [backlink](#)**

Unknown interpreted text role "class".

- :class:`NoBoundaryInMultipartDefect` -- A message claimed to be a multipart, but had no :mimetype:`boundary` parameter.

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 70); [backlink](#)**

Unknown interpreted text role "class".

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library)email.errors.rst, line 70); [backlink](#)**

Unknown interpreted text role "mimetype".

- `:class:'StartBoundaryNotFoundDefect'` -- The start boundary claimed in the `:mailheader:'Content-Type'` header was never found.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) email.errors.rst, line 73); [backlink](#)

Unknown interpreted text role "class".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) email.errors.rst, line 73); [backlink](#)

Unknown interpreted text role "mailheader".

- `:class:'CloseBoundaryNotFoundDefect'` -- A start boundary was found, but no corresponding close boundary was ever found.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) email.errors.rst, line 76); [backlink](#)

Unknown interpreted text role "class".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) email.errors.rst, line 79)

Unknown directive type "versionadded".

```
.. versionadded:: 3.3
```

- `:class:'FirstHeaderLineIsContinuationDefect'` -- The message had a continuation line as its first header line.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) email.errors.rst, line 81); [backlink](#)

Unknown interpreted text role "class".

- `:class:'MisplacedEnvelopeHeaderDefect'` - A "Unix From" header was found in the middle of a header block.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) email.errors.rst, line 84); [backlink](#)

Unknown interpreted text role "class".

- `:class:'MissingHeaderBodySeparatorDefect'` - A line was found while parsing headers that had no leading white space but contained no ' '. Parsing continues assuming that the line represents the first line of the body.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) email.errors.rst, line 87); [backlink](#)

Unknown interpreted text role "class".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) email.errors.rst, line 91)

Unknown directive type "versionadded".

```
.. versionadded:: 3.3
```

- `:class:'MalformedHeaderDefect'` -- A header was found that was missing a colon, or was otherwise malformed.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\cpython-main) (Doc) (library) email.errors.rst, line 93); [backlink](#)

Unknown interpreted text role "class".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\cpython-main) (Doc) (library) email.errors.rst, line 96)

Unknown directive type "deprecated".

```
.. deprecated:: 3.3
    This defect has not been used for several Python versions.
```

- `:class:'MultipartInvariantViolationDefect'` -- A message claimed to be a `:mimetype:'multipart'`, but no subparts were found. Note that when a message has this defect, its `:meth:`~email.message.Message.is_multipart`` method may return `False` even though its content type claims to be `:mimetype:'multipart'`.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\cpython-main) (Doc) (library) email.errors.rst, line 99); [backlink](#)

Unknown interpreted text role "class".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\cpython-main) (Doc) (library) email.errors.rst, line 99); [backlink](#)

Unknown interpreted text role "mimetype".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\cpython-main) (Doc) (library) email.errors.rst, line 99); [backlink](#)

Unknown interpreted text role "meth".

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\cpython-main) (Doc) (library) email.errors.rst, line 99); [backlink](#)

Unknown interpreted text role "minetype".

- `:class:'InvalidBase64PaddingDefect'` -- When decoding a block of base64 encoded bytes, the padding was not correct. Enough padding is added to perform the decode, but the resulting decoded bytes may be invalid.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\cpython-main) (Doc) (library) email.errors.rst, line 104); [backlink](#)

Unknown interpreted text role "class".

- `:class:'InvalidBase64CharactersDefect'` -- When decoding a block of base64 encoded bytes, characters outside the base64 alphabet were encountered. The characters are ignored, but the resulting decoded bytes may be invalid.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\cpython-main) (Doc) (library) email.errors.rst, line 108); [backlink](#)

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- `:class:'InvalidBase64LengthDefect'` -- When decoding a block of base64 encoded bytes, the number of non-padding base64 characters was invalid (1 more than a multiple of 4). The encoded block was kept as-is.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) email.errors.rst, line 112); [backlink](#)

Unknown interpreted text role "class".

- `:class:'InvalidDateDefect'` -- When decoding an invalid or unparsable date field. The original value is kept as-is.

**System Message: ERROR/3** (D:\onboarding-resources\sample-onboarding-resources\cpython-main\Doc\library\ (cpython-main) (Doc) (library) email.errors.rst, line 116); [backlink](#)

Unknown interpreted text role "class".