

CSMail 1.3 Release Notes. 18 March 2002.

New features

- Support for RFC 2047 (MIME Part Three: Message Header Extensions for Non-ASCII Text) Headers

Technical notes

Until now the representation of non US-ASCII text in messages has been limited to the message body. Version 1.3 of the Internet Mail Client Control Library implements RFC 2047 - extending international text support to the message headers. This support applies most significantly to the Subject and Address (From, ReplyTo, Sender, To, CC, BCC) properties of the Message object.

The control will automatically encode and decode the MIME headers when they are accessed through the BCC, CC, From, ReplyTo, Sender, Subject and To properties.

The control will not encode or decode the headers when they are accessed directly through the Header property of the Message object – it remains our intention to provide the maximum flexibility to advanced developers through access to the raw headers.

Automatic encoding and decoding (BCC, CC, From, ReplyTo, Sender, Subject and To properties)

Property-put behaviour

Setting any of the above properties of the Message object will cause the control to automatically encode the text according to RFC 2047. The message may now be sent with the SMTPClient object and the international text will be preserved for the recipient.

Note: The control will use the currently active codepage (as returned by the GetACP() API call) to determine the character set used in the encoding.

Property-get behaviour

Getting any of the above properties of the Message object will cause the control to automatically decode the text according to RFC 2047. The returned Unicode string will contain the text in the original character set.

Note: By default, when using automatic decoding, the control will attempt to fully decode the text into a Unicode string with the characters represented as the correct Unicode equivalents (based on the support for the code page on the system). It is likely the some developers who are currently supporting only single byte character sets (Latin, Greek, Cyrillic etc) will be unprepared to display text from multi byte character sets (far eastern ideographical languages for example). It is possible to set a global option to override this behaviour so that ideographs will be converted, if in a rather meaningless fashion, to a single byte character string.

```
Dim settings As New CSMAILLib.Settings
settings(optionRFC2047Unicode)=false
```