



White Paper

Fabasoft Integration for SMTP

Fabasoft Folio 2019

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1 Introduction

SMTP is the abbreviation of "Simple Mail Transfer Protocol" and it is the basic protocol for sending e-mails. The Fabasoft Integration for SMTP allows the sending of e-mails using defined use cases according to a configured e-mail server environment.

See RFC 2821 <http://tools.ietf.org/html/rfc2821> for a detailed information regarding the SMTP protocol.

2 Software Requirements

System environment: All information contained in this document implicitly assumes a Microsoft Windows environment or a Linux environment.

Supported platforms: For detailed information on supported operating systems and software see the software product information on the Fabasoft distribution media.

3 Configuration

Use cases that send e-mails on the server-side require a third-party SMTP server and a corresponding configuration in Fabasoft Folio. Detailed information about the configuration in Fabasoft Folio can be found in the administration help (chapter "SMTP Configuration").

3.1 Send Objects via SMTP (FSCSMTP@1.1001:SendObjects)

This use case is used to send objects in different formats according to the given parameters. The following parameters are defined:

- `objects` (COOSYSTEM@1.1:OBJECTLIST)
The list of objects which should be sent. When this optional parameter is left empty, the message only contains the value of the `body` parameter.
- `ascopy` (COOSYSTEM@1.1:BOOLEAN)
Specifies how the e-mail has to be sent. If `true`, the objects will be sent as copy, which means that the object's content itself is used as e-mail attachment. If `false`, a hyperlink to the object is generated. This hyperlink is either a plain text or HTML link, depending on the parameter `messageformat`. **Default value:** `false`.
- `from` (COOSYSTEM@1.1:STRING)
This parameter defines the e-mail address which should be displayed in the *From* field of the e-mail. This value must be a valid e-mail address. If left empty, the current user's e-mail address is used instead.
- `to` (COOSYSTEM@1.1:STRING)
This parameter defines the *To* field of the e-mail. Specifies the receiver's e-mail address and must not be empty. Multiple e-mail addresses can be specified using semicolon as delimiter.
- `subject` (COOSYSTEM@1.1:STRING)
The e-mail's subject. Must not be empty and is limited to 255 characters.
- `body`
The e-mail's body. The parameter can be passed as one of the following four types:
 - COOSYSTEM@1.1:STRING
The value is used as HTML body.

- COOSYSTEM@1.1:CONTENT
The content is used as HTML body.
- COOSYSTEM@1.1:Content
The content is taken from the aggregate's property `COOSYSTEM@1.1:contcontent`. Additionally if the aggregate's property `COOSYSTEM@1.1:contextension` equals "mht", the content is considered as preformatted MIME and used as a *multipart/mime* HTML message.
- COOSYSTEM@1.1:OBJECT
The object's content itself is used as the e-mail body.
- `importance` (FSCSMTP@1.1001:Importance)
Sets the e-mail's importance. The following values are allowed:
 - SMTP_IMPORTANCE_LOW
 - SMTP_IMPORTANCE_NORMAL (default)
 - SMTP_IMPORTANCE_HIGH
- `cc` (COOSYSTEM@1.1:STRING)
The email's Cc: recipients. This optional field must contain valid e-mail addresses. Multiple e-mail addresses can be specified using semicolon as delimiter.
- `bcc` (COOSYSTEM@1.1:STRING)
The email's Bcc: recipient. This optional field must contain valid e-mail addresses. Multiple e-mail addresses can be specified using semicolon as delimiter.
- `messageformat` (COOMAPI@1.1:SendAsFormat)
Specifies how to format the e-mail's body. The following values are defined:
 - SENDAS_HTML
HTML mail
 - SENDAS_PLAIN
Plain text mail
- `copyformat` (COOMAPI@1.1:SendAsCopyFormat)
Specifies how to deliver the attached files, in case of the parameter `ascopy` is set to `true`. The following values are defined:
 - SENDASCOPY_ORIGINAL
Original content
 - SENDASCOPY_PDF
Original content will be converted to PDF
- `notused1` (COOSYSTEM@1.1:STRING)
This parameter is not in use.
- `notused2` (COOSYSTEM@1.1:STRING)
This parameter is not in use.
- `messageid` (COOSYSTEM@1.1:STRING)
This output parameter will contain the internet message ID of the sent e-mail.
- `multipartrelated` (COOSYSTEM@1.1:BOOLEAN)
When this optional parameter is set to `true`, the e-mail will be sent as a multipart MIME message. Default value: `false`
- `baseurl` (COOSYSTEM@1.1:STRING)
This parameter is currently not in use.
- `replyto` (COOSYSTEM@1.1:STRING)
When this optional parameter is set, the `Reply-To:` field will be generated. This field is used by an e-mail client to determine which e-mail address to use when the e-mail is replied. The parameter must contain a valid e-mail address.

3.2 Send HTML via SMTP (FSCSMTP@1.1001:SendHTML)

This use case is used to send an e-mail in HTML format. The e-mail body is passed as a parameter.

The following parameters are defined:

- `from` (COOSYSTEM@1.1:STRING)
The *From:* field in the e-mail. This value must be a valid e-mail address. If left empty, the current user's e-mail address is used instead.
- `to` (COOSYSTEM@1.1:STRING)
The *To:* field in the e-mail. Specifies the receiver's e-mail address and must not be empty. Multiple e-mail addresses can be specified using semicolon as delimiter.
- `subject` (COOSYSTEM@1.1:STRING)
The e-mail's subject. Must not be empty and is limited to 255 characters.
- `htmlbody`
The e-mail's body. The parameter can be passed as one of the following three types:
 - COOSYSTEM@1.1:STRING
The value is used as HTML body.
 - COOSYSTEM@1.1:CONTENT
The content is used as HTML body.
 - COOSYSTEM@1.1:Content
The content is taken from the aggregate's property COOSYSTEM@1.1:contcontent. Additionally if the aggregate's property COOSYSTEM@1.1:contextextension equals "mht", the content is considered as preformatted MIME and used as a *multipart/mime* HTML message.
- `importance` (FSCSMTP@1.1001:Importance)
Sets the e-mail's importance. The following values are allowed:
 - SMTP_IMPORTANCE_LOW
 - SMTP_IMPORTANCE_NORMAL (default)
 - SMTP_IMPORTANCE_HIGH
- `cc` (COOSYSTEM@1.1:STRING)
The email's Cc: recipients. This optional field must contain valid e-mail addresses. Multiple e-mail addresses can be specified using semicolon as delimiter.
- `bcc` (COOSYSTEM@1.1:STRING)
The email's Bcc: recipient. This optional field must contain valid e-mail addresses. Multiple e-mail addresses can be specified using semicolon as delimiter.
- `sendoptions` (FSCSMTP@1.1001:SendOption)
Set a specific send option. No default value. The following values are allowed:
 - SENDOPTION_REPORT_READ
Request read status reports
 - SENDOPTION_REPORT_DELIVERY
Request delivery status reports
 - SENDOPTION_WAIT_UNTILCREATED
Wait until message has been created
 - SENDOPTION_WAIT_UNTILCLOSED
Wait until message form has been closed
- `attachfiles` (COOSYSTEM@1.1:CONTENTLIST)
Optional parameter with a list of contents which are sent as attachments.

- `attachnames` (COOSYSTEM@1.1:STRINGLIST)
Optional parameter with a list of name strings, which correspond to the given list of contents in the parameter `attachfiles`.
- `attachextensions` (COOSYSTEM@1.1:STRINGLIST)
Optional parameter with a list of extension strings, which correspond to the given list of names in the parameter `attachnames`.
Note: The indices of the three parameters: `attachfiles`, `attachnames` and `attachextensions` have to match respectively.
- `messageid` (COOSYSTEM@1.1:STRING)
This output parameter will contain the internet message ID of the sent e-mail.
- `replyto` (COOSYSTEM@1.1:STRING)
When this optional parameter is used, the `Reply-To:` field is generated. This field is used by an e-mail client to determine which e-mail address to use when the e-mail is replied. The parameter must contain a valid e-mail address.