

# POP3 transport handler

The POP3 transport handler allows the receiving of processing results as an email via POP3.

## Options

- **host**: The host URL of the email server. (optional, default: `localhost`)
- **port**: The port of the email server. (optional, default: `995`)
- **username**: The user name for the email account.
- **password**: The password for the email account.
- **folder**: The folder to read the messages from (optional, default: `INBOX`)
- **keep**: Flag to indicate if messages should be kept or deleted after reading. True if the messages should be kept, false if they should be deleted. (optional, default: `true`)
- **pattern**: A pattern to filter the messages. (optional, default: no pattern)
- **readcontent**: Flag to indicate if the message content (body/attachments) should be read. True if the message content should be read, false otherwise. (optional, default: `false`)
- **mimetypehandler**: Sets the target data type for the content in the output schema. Possible values: `string`, `objectmap`. (optional, default: `objectmap`)
- **markasread**: Flag to indicate if read messages should be marked as read. True if it should be marked as read, false otherwise. (optional, default: `false`)
- **unreadonly**: Flag to indicate that only unread messages should be loaded. True if only unread messages should be fetched from the server, false if all stored messages should be loaded. (optional, default: `false`)

## Output schema

The IMAP transport handler generates stream elements of type Tuple with a fixed output schema:

Index	Attribute name	Data type	Description
0	From	String	The senders email address
1	To	String List	The receivers' email addresses
2	CC	String List	The list of copy receiver email addresses
3	BCC	String List	The list of blind copy receiver email addresses
4	ReplyTo	String	The reply to email address
5	Subject	String	The subject line of the email
6	SendDate	Date	The data when the email was sent
7	FlagDeleted	Boolean	See <a href="https://docs.oracle.com/javase/6/api/javax/mail/Flags.Flag.html">https://docs.oracle.com/javase/6/api/javax/mail/Flags.Flag.html</a>
8	FlagAnswered	Boolean	
9	FlagDraft	Boolean	
10	FlagFlagged	Boolean	
11	FlagRecent	Boolean	
12	FlagSeen	Boolean	
13	FlagUser	Boolean	
14	Content	Depending on the value of option <b>mimetypehandler</b> :  String oder OptionMap	The content of the email. Depending of the emails' MIME type, it can consist of multiple body parts and/or attached files.

## Example

### PQL

## POP3 Transport Handler

```
output = ACCESS({source='Pop3Source',
wrapper='GenericPull',
transport='POP3',
protocol='None',
dataHandler='Tuple',
options=[
    ['host','pop3.example.com'],
    ['folder','INBOX'],
    ['keep','true'],
    ['markasread','false'],
    ['unreadonly','false'],
    ['readcontent','true'],
    ['username','Alice'],
    ['mimetypehandler','objectmap'],
    ['password','***']]
})
```