

eMail Package 1.3

The eMail Package provides a client implementation of the Internet protocols used for sending and receiving emails. The package also provides a non-visual email client core which stores received emails, separates emails in folders, sends and receives emails with attachments and so on. The provided functionality can be used to send status information from applications that are located in the OSGi framework via emails, or can be used to build a visual email client.

Features

- Client part of the Simple Mail Transfer Protocol (SMTP) protocol for sending emails
- Client part of the Post Office Protocol version 3.0 (POP3) protocol for receiving emails
- Support for different authentication schemes and secure communication through TLS/SSL in SMTP and POP3
- Services for Multipurpose Internet Mail Extensions (MIME) formatting
- Abstraction of an email client core that provides a high level API for sending, receiving, storing emails in folders, managing email contacts and so on

Benefits

- Allows sending or receiving emails from OSGi applications
- OSGi applications can send status info using emails
- Compactness and platform independence
- Secure communication with the POP3 and SMTP servers can be established

SMTP, POP3 and MIME Support

The SMTP, POP3 and MIME services are useful for applications that need to provide mail client functionality.

Sending of e-mail messages can be achieved by using the SMTP service, which is the client side implementation of the SMTP protocol (Simple Message Transfer Protocol). The reception of email messages is handled by the POP3 service that implements the client part of POP3 v.3.0 (Post Office Protocol). In both cases secure transport over SSL/TLS can be used.

The MIME Service ensures the conversion of outgoing email messages into the MIME v1.0 (Multipurpose Internet Mail Extensions) format. It also transforms incoming messages from the MIME format into viewable messages.

Mail Client API

The eMail package provides MailClient API, which may be easily used to manage email user accounts and a mailbox. It provides means for storing, reading, sending, receiving, creating, and searching mail messages.

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Contact List API

The Contact List API provides all the necessary functionality to maintain an address book or a list of contacts for a user. The basic supported operations are: create, delete, edit, list, and search the contact list. Conversion from one list type into another contact list type is also supported.

Additional capabilities and packages of mBedded Server and other ProSyst products are explained in the data sheets available for each product.

If you have any further questions, we will be happy to assist. Please contact us at info@prosyst.com or visit our Developer Zone at dz.prosyst.com