

Connection to a Mail Server

All methods of JavaMail Library require an instance of **MailConnection** class as a parameter. This class is used to specify connection details such as name of the mail server, protocol, encryption etc.

By default, the methods of the JavaMail Library will open a new connection on every call, and close the connection before returning the call. If you intend to call several mail operations in a row, you might want to reuse an established connection. In these cases you can use the two methods of the **GlobalOperations** class.

Figure: The MailConnection Class

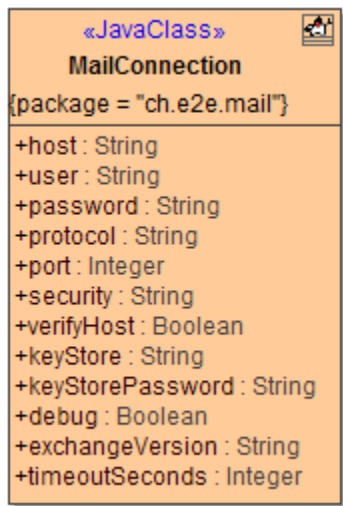
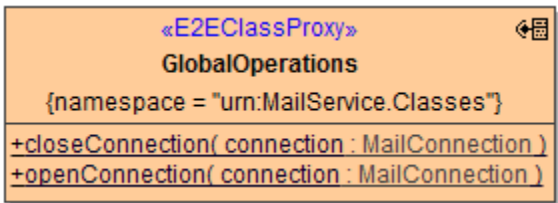


Figure: The GlobalOperations Class



MailConnection

Class **MailConnection** has the following attributes:

Attribute Name	Description	Allowed Values	
debug	Specifies whether to write additional debug information to the bridgeserver log.	true	Additional debug information is written to the bridgeserver log .
		false	No additional logs (default).
exchangeVersion	Specifies the Microsoft Exchange version. This parameter is mandatory, if protocol is set to exchange, ignored otherwise.	2007_SP1	Exchange 2007 Service Pack 1
		2010	Exchange 2010
		2010_SP1	Exchange 2010 Service Pack 1
		2010_SP2	Exchange 2010 Service Pack 2 and higher
host	Specifies the host name/IP address of the mail server.	a valid host name or IP address	
keyStore	Specifies the file name of the key store file used for SSL connections (optional).	a valid filename	
keyStorePassword	Specifies the password of the key store (optional).	a valid password	
password	Specifies the user's password.	a valid password	Some SMTP servers allow unauthorized sending, in these cases you may leave it as NULL.
port	Specifies the port of the mail server.	a valid port number	

protocol	Specifies the protocol used for e-mail retrieval and storage. Values are not case sensitive.	imap	Use the IMAP protocol.
		imaps	Use IMAP over SSL.
		pop3	Use POP3.
		smtp	Use the SMTP protocol.
		smtps	Use the SMTPS protocol.
		exchange	Use Exchange Web Service (EWS) API.
security	Specifies the encryption protocol. Values are not case sensitive.	none	No encryption used.
		ssl	Use SSL encryption.
		starttls	Use TLS encryption
timeoutSeconds	Specifies the number of seconds after which a request (send or receive) times out	any positive integer default is 0, which translates to protocol defaults: infinite timeout for imap(s), pop3,smtp(s), and 100 seconds for exchange	
user	Specifies the user account on the mail server.	a valid user	
verifyHost	Specifies whether for SSL connections the mail server host shall be verified or not (optional).	true	Verify the mail server (default).
		false	Do not verify the mail server.

GlobalOperations

Method Name	Parameter	Direction	Description
openConnection	connection	in	Establishes a connection with the mail server using the provided connection object. The established connection will be reused whenever the same connection object is used with one of the JavaMail Library methods, until it is explicitly closed by closeConnection .
closeConnection	connection	in	Closes a connection previously opened by a call to openConnection .