

Mail Server Connection

An instance of `Connection` is the first parameter of all `MailClient` operations. On first encounter in a call, the library will initiate the connection and retain it, i.e. successive calls using the same connection settings will re-use the already opened connection to the mail server, where "same" is identified by `host+user+protocol+port+security`. So changes to any of these attributes will be considered being a "new" connection, while changes on any other attributes have no effect.

<div>«JavaClass» Connection (package = "ch.e2e.mailx")</div> <div>+host: String +microsoftOnlineCredentials: MicrosoftOnlineCredentials +usernamePasswordCredentials: UsernamePasswordCredentials +protocol: String +port: Integer +security: String +verifyHost: Boolean +debug: Boolean +exchangeVersion: String +timeoutSeconds: Integer +proxy: ConnectionProxy</div>	<div>«JavaClass» UsernamePasswordCredentials (package = "ch.e2e.mailx")</div> <div>+username: String +password: String</div> <div>«JavaClass» MicrosoftOnlineCredentials (package = "ch.e2e.mailx")</div> <div>+clientId: String +clientSecret: String +tenantId: String +impersonatedUser: String</div>
<div>«JavaClass» ConnectionProxy (package = "ch.e2e.mailx")</div> <div>+user: String +password: String +domain: String +host: String +port: Integer</div>	

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Migration Information

Attributes **keystore** and **keystorePassword** that you may miss if you are migrating from version 1, have been removed from the **Connection** object. Loading the keystore is now a global operation on the **Crypto** class, see [Keys and Certificates](#).

Connection

Class **Connection** has the following attributes:

Attribute Name	Type	Description	Allowed Values	
debug	Boolean	Specify 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	String	Specify the Microsoft Exchange version (optional).	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 (default)
host	String	Specify the host name/IP address of the mail server.	a valid host name or IP address	for <i>exchange</i> connections this can be left NULL, triggering Autodiscover (which might fail) for <i>office365</i> connections this is ignored
microsoftOnlineCredentials	Object	Specify OAuth login credentials for Microsoft Online connections	a valid set of credentials	either this or <code>usernamePasswordCredentials</code> must be set
port	Integer	Specify the port of the mail server (optional)	a valid port number	If omitted (NULL), the standard port for the chosen protocol and security is used.
protocol	String	Specify 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 with a hosted Exchange Server

			office365	Use Exchange Web Service (EWS) API with a Office 365 Server (will ignore host).
security	String	Specify the encryption. Values are not case sensitive. <div>exchange and office365 protocols ignore this setting and use ssl anyway.</div>	none	No encryption used. exchange and office365 protocol (see attribute protocol) use SSL in any case, this cannot be overridden.
			ssl	Use SSL encryption.
			starttls	Use TLS encryption. exchange and office365 protocol (see attribute protocol) use SSL in any case, this cannot be overridden. <div>Make sure to pick imap, pop3, or smtp with this setting, not imaps, pop3s, or smtps.</div>
timeoutSeconds	Integer	Specify the number of seconds after which a request (send or receive) times out.	any positive integer Default is 0, which translates to the following defaults: <ul style="list-style-type: none">infinite timeout for imap(s), pop3(s), and smtp(s)100 seconds for exchange	
usernamePasswordCredentials	Object	Specify the user's credentials	a valid set of credentials	either this or microsoftOnlineCredentials must be set
verifyHost	Boolean	Specify whether for SSL connections the mail server host shall be verified or not (optional).	true	Verify the mail server's SSL certificate (default, see also security).
			false	Do not verify the mail server.
Username and Password Credentials				
usernamePasswordCredentials.username	String	Specify the user account on the mail server.	a valid user name	Some SMTP servers allow unauthorized sending, in these cases you may leave it as NULL.
usernamePasswordCredentials.password	String	Specify the user's password.	a valid password	Some SMTP servers allow unauthorized sending, in these cases you may leave it as NULL.
Microsoft Online Credentials (only applicable to office365 protocol)				
microsoftOnlineCredentials.clientId	String	client id of your app registration	For details on registering EWS access via OAuth please follow the steps as outlined here: https://docs.microsoft.com/en-us/exchange/client-developer/exchange-web-services/how-to-authenticate-an-ews-application-by-using-oauth Make sure to follow the path for "app-only authentication"	
microsoftOnlineCredentials.clientSecret	String	client secret of your app registration		
microsoftOnlineCredentials.tenantId	String	tenant id of your microsoft online organization		
microsoftOnlineCredentials.imPERSONatedUser	String	name (email address) of the mailbox you want to impersonate	a valid email address	Provide the email address of the mailbox you want to interact with (e.g. read messages from)
Proxy Settings (only applicable to HTTP based connections, i.e. exchange or office365 protocol)				
proxy.host	String	Specify the host name/IP address of the proxy server.	a valid host name or IP address	
proxy.port	Integer	Specify the port of the proxy server.	a valid port number	
proxy.domain	String	Specify the user domain on the proxy server (optional). Some Windows-based proxy servers might require this for authentication.	a valid ActiveDirectory domain name	

proxy.user	String	Specify the user account on the proxy server (optional).	a valid user
proxy.password	String	Specify the user's password (optional).	a valid password