GENESYS

E-mail Server Administration Guide

JavaMail Properties

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JavaMail Properties

E-mail Server uses the JavaMail API library 1.5.1. JavaMail can make use of numerous properties, which are documented at the following locations:

- Environment properties: http://www.oracle.com/technetwork/java/javamail-1-149769.pdf (Appendix A: Environment Properties)

- JavaMail Session properties: https://javamail.java.net/nonav/docs/api/

- JavaMail Session properties for IMAP: https://javamail.java.net/nonav/docs/api/com/sun/mail/imap/package-summary.html

- JavaMail Session properties for POP3: https://javamail.java.net/nonav/docs/api/com/sun/mail/pop3/package-summary.html

These properties are treated in different ways in eServices, depending on

- Whether they are set internally by E-mail Server.

- Whether they can be modified by users.

These two parameters define three different categories of property:

- Set internally and not user-modifiable

- Set internally and user-modifiable

- Not set internally and user-modifiable

The next three sections list the properties in each category and describe how to set the ones in user-modifiable categories.

Set Internally, Not User-Modifiable

- mail.pop3.class
- mail.imap.class

Set Internally, User-Modifiable

- mail.debug
- mail.pop3.host
- mail.pop3.user
- mail.pop3.port

- mail.pop3.connectiontimeout
- mail.pop3.timeout
- mail.pop3.socketFactory.class
- mail.pop3.socketFactory.fallback
- mail.pop3.socketFactory.port
- mail.pop3.socks.host
- mail.pop3.socks.port
- mail.imap.host
- mail.imap.user
- mail.imap.port
- mail.imap.connectiontimeout
- mail.imap.timeout
- mail.imap.socketFactory.class
- mail.imap.socketFactory.fallback
- mail.imap.socketFactory.port
- mail.imap.socks.host
- mail.imap.socks.port
- mail.smtp.socks.host
- mail.smtp.socks.port

You can modify these using existing configuration options in the **[pop-client]** and **[smtp-client]** sections, as shown in the following table. In this table, <protocol> is either POP3 or IMAP; for example, mail.<protocol>.timeout covers `mail.pop3.timeout` and `mail.imap.timeout`.

JavaMail Properties Controlled by Configuration Options:

JavaMail Property	Configuration Option
mail.debug	enable-debug
mail.<protocol>.connectiontimeout	connect-timeout
mail.<protocol>.timeout	protocol-timeout
mail.<protocol>.user	mailbox
mail.<protocol>.host	server
mail.<protocol>.port mail.<protocol>.socketFactory.port	port
mail.<protocol>.socketFactory.class mail.<protocol>.socketFactory.fallback	enable-ssl

See the eServices Options Reference for complete information on these options.

Not Set Internally, User-Modifiable

Any of the properties not listed in the two preceding sections can be modified by creating options in E-mail Server's `pop-client` section. The option name is the property name. For the value, see the JavaMail documentation listed above.

> ### Important
>
> Do not use this method to modify the properties, listed in the preceding section, that are controlled by configuration options.

Here is an example of adding an option to modify a JavaMail property: Some POP3 servers do not properly implement TOP, an optional POP command. This can create conflicts between the results of the TOP and RETR commands, which in turn can prevent E-mail Server from parsing the retrieved e-mail. To prevent these conflicts, you can create an option that invokes JavaMail's mail.pop3.disabletop property. The option name is `mail.pop3.disabletop,` it must be in the pop-client section, and its value must be `true.` E-mail Server then does not use TOP to retrieve messages, only RETR.