**Project Dependencies**

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| Mail Client |
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| Send Mail App |
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**Overview**

* Project is created as maven project with 3 sub Modules.
* Project can be open in Eclipse as
  + File -> Import -> Maven -> Existing Maven Projects -> Browse the Directory with parent pom
* Mail Sender Commons have the common models Data serializing, de-serializing libraries and logging support which is common for both client and mail sender.
* Both client and server can be configured using environment variables as described in the README.
* SMTP server load depends on the send mail app thread pool size and running machine resource limit.
* Data validation for Send mail request can be added in the Send mail app before sending to SMTP server
* Other than the SMTP host and port, other (authorization related) configurations can also be accessed using environment variables.
* Send Mail App is using Thread pool to listen client connections.
* Send Mail Client is submitting the requests using another executor service and get the Completable Futures of all jobs and join them to get the acknowledgements in parallel.
* Request IDs are generated using a Simple Java Stream Range and sender and receiver is predefined in the client app.
* Test is only created for MailServerConnector which is send mail using JavaX mail only.