

How do I use secure transport (SSL) with the isCOBOL thin client?

Author: Veryant Support

Saved From: <http://support.veryant.com/support/phpkb/question.php?ID=51>

About the SSL, the feature has been implemented in a quite simple way:

If the property `javax.net.ssl.keyStore` is set then the isCOBOL Application Server will use the `SSLServerSocket` instead of the plain `ServerSocket`.

If the property `javax.net.ssl.trustStore` is set then the client will use the `SSLSocket` instead of the plain `Socket`. The command line to run the isCOBOL Application Server is:

```
java -Djavax.net.ssl.keyStore=path_to_your_cacerts_file  
-Djavax.net.ssl.keyStorePassword=passwd com.iscobol.as.AppServerImpl
```

The command line for the client is:

```
java -Djavax.net.ssl.trustStore=path_to_your_cacerts_file  
-Djavax.net.ssl.trustStorePassword=passwd com.iscobol.gui.client.Client
```

Some explanation of properties:

javax.net.ssl.keyStore - Location of the Java keystore file containing an application process's own certificate and private key. On Windows, the specified pathname must use forward slashes, /, in place of backslashes.

javax.net.ssl.keyStorePassword - Password to access the private key from the keystore file specified by `javax.net.ssl.keyStore`. This password is used twice: To unlock the keystore file (store password), and To decrypt the private key stored in the keystore (key password).

javax.net.ssl.trustStore - Location of the Java keystore file containing the collection of CA certificates trusted by this application process (trust store). On Windows, the specified pathname must use forward slashes, /, in place of backslashes, .