Setting up and configuring Host On-Demand (HOD) for TLS-secured tn3270 connections - Troubleshooting

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Background

Before you begin: **If you have not already attempted to create a secure connection with HOD**, follow the instructions to do so here.

COMM662 is a common error associated with TLS-secured connections on Host On-Demand for Macbook users. This error typically occurs when the server being connected to is using a self-signed certificate. If you are experiencing this issue when you start a session, you will see this error:

```
Server "XXX" presented a certificate that was not trusted.
```

This presentation will walk through the process to import the self-signed certificate into your emulator keychain and marking it as trusted.

Setup a host session on HOD

1. Download the CustomizedCAs.jks file from this link.

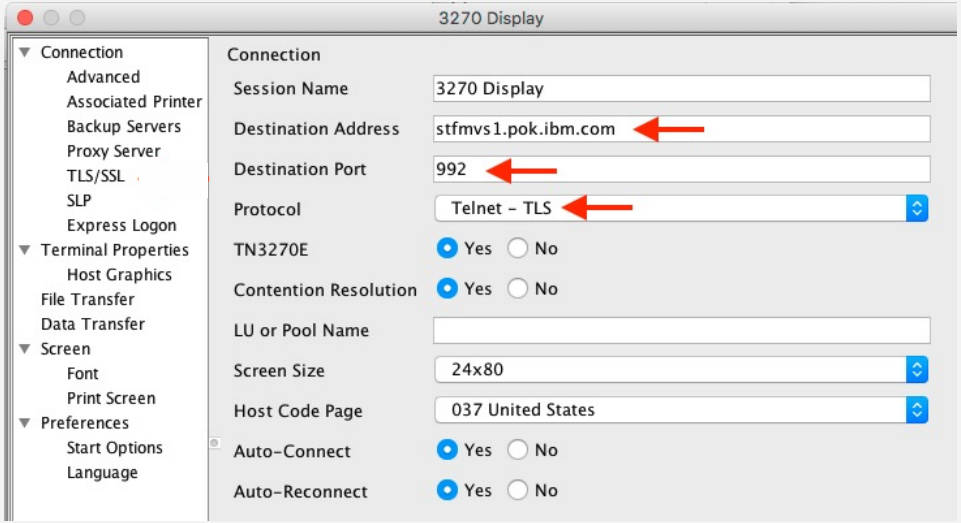
On macOS, copy to /Applications/HostOnDemand/lib

Setup a host session on HOD

2. Create a secure tn3270 session. In the first window, put in details marked by red arrows.

Enter the destination address, destination port, and protocol **Telnet-TLS**.

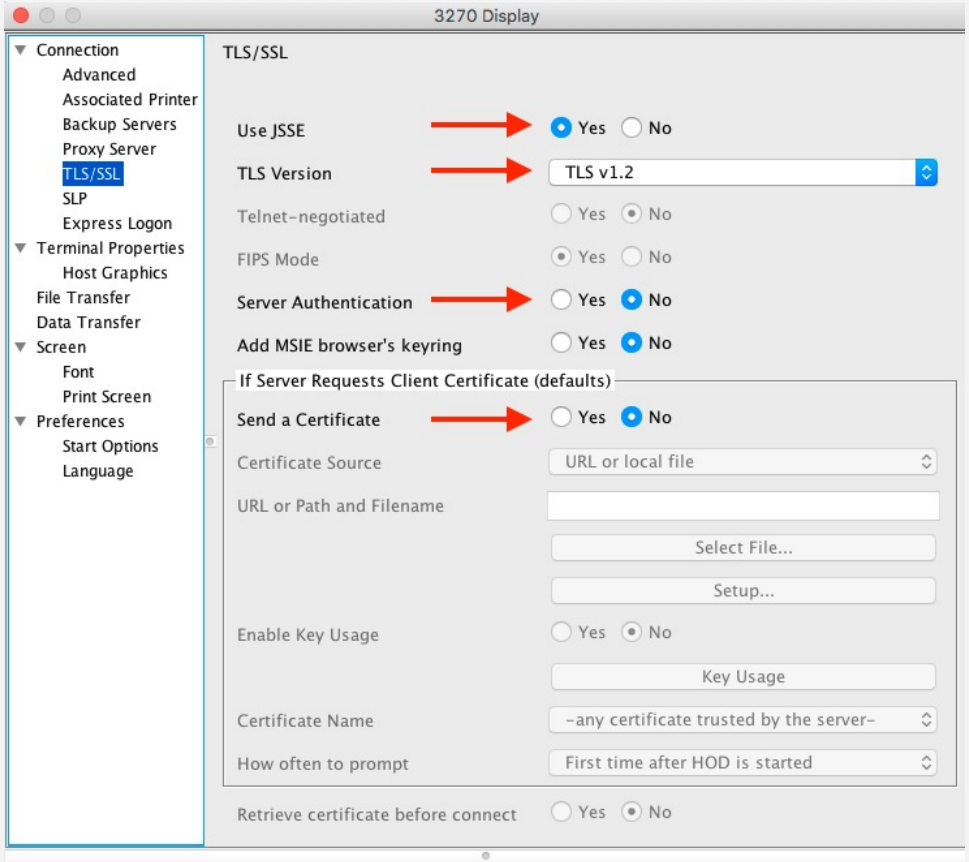
In this example: hostname is ”stfmvs1.pok.ibm.com” and port is “992”.



Setup a host session on HOD

3. Click on the “TLS/SSL” tab in the lefthand navigator. Put in details as shown.

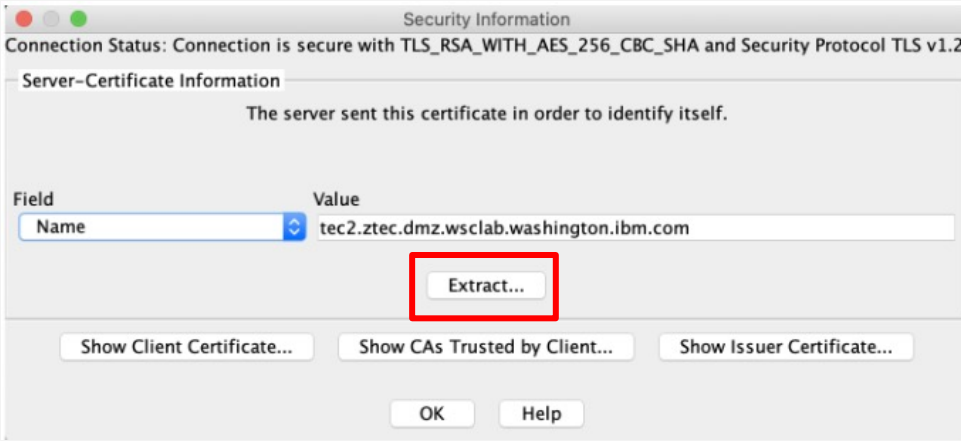
Exit this window and start the session.



Setup a host session on HOD

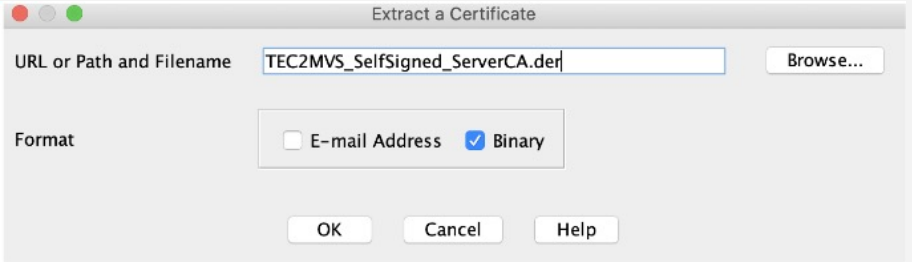
4. Click on the Communication tab and select “Security”.

Click on Extract.



Setup a host session on HOD

5. You will need to give the certificate a name and import as binary. Fill in the details as shown and click ok.



In this example, the certificate is named "Servername_SelfSigned_ServerCA.der"

This will extract the server's public key and store it in the `Applications/HostOnDemand/lib` directory on macOS.

Setup a host session on HOD

6. Open the “Terminal” application on macOS and type in

```
cd /Applications/HostOnDemand/lib
```

7. To import the key, you will need to use the keytool utility. First, change the directory to where the tool is located. Type in the following line:

```
cd /Library/Internet\ Plug-Ins/JavaAppletPlugin.plugin/Contents/Home/bin
```

Setup a host session on HOD

8. To import the key, type in the following (all one line)

```
./keytool -import -file
/Applications/HostOnDemand/lib/Servername_SelfSigned_ServerCA.der -alias
“Servername” -keystore /Applications/HostOnDemand/lib/CustomizedCAs.jks -
storepass hodpwd
```

In this example, the certificate is named “Servername_SelfSigned_ServerCA.der”

If you receive a prompt ”Trust this certificate?”, type y and press Enter.

9. Close down HOD and restart. You should now be able to connect.