

Setting up and configuring Personal Communications (PCOMM) for TLS-secured tn3270 connections

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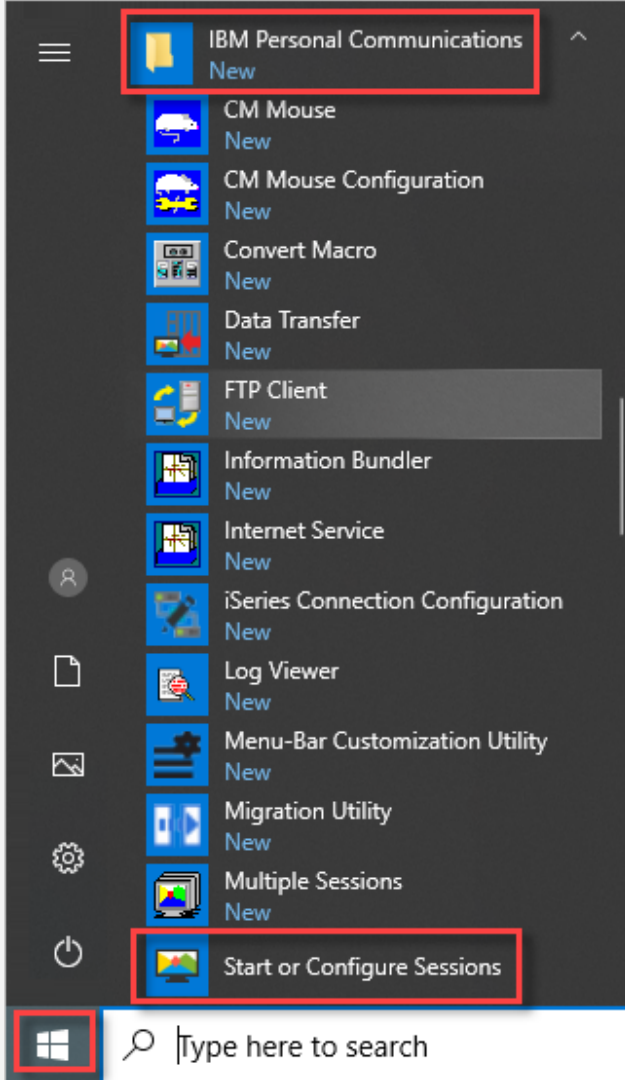
Background

This presentation will guide users in setting up a host session in Personal Communications (PCOMM) for mainframe connections to use TLS-secured tn3270 connections.

Before you start, ensure that you have installed the latest available version of Personal Communications (a minimum of “IBM Personal Communications 12”) to support the proper encryption protocols.

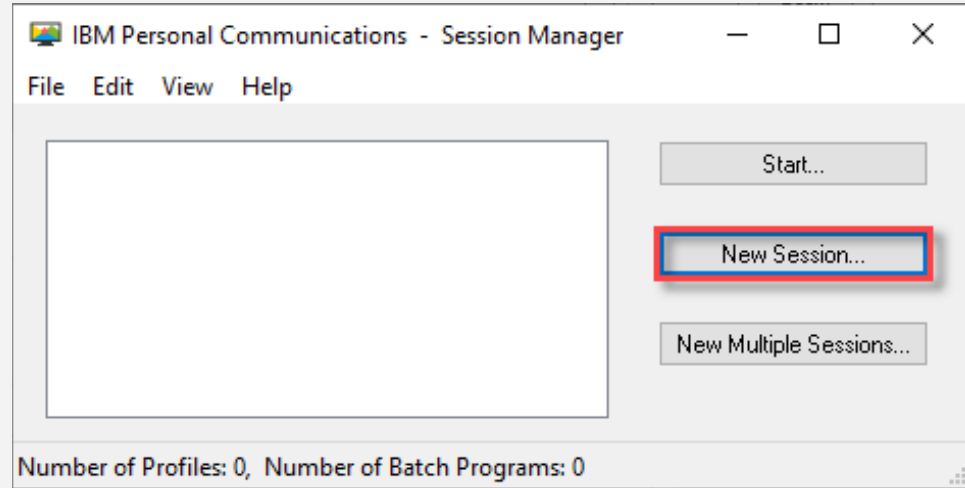
Setup a host session on PCOMM

1. Click Windows Start, select IBM Personal Communications, then select "Start or Configure Sessions".



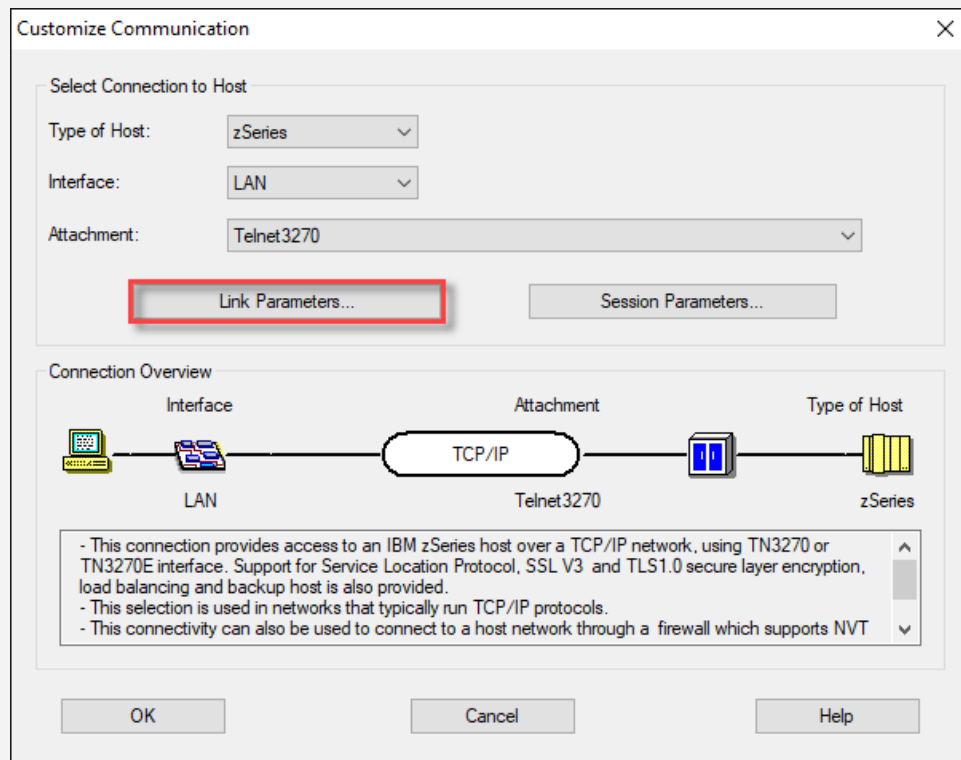
Setup a host session on PCOMM

2. Click New Session.



Setup a host session on PCOMM

3. Click Link Parameters.



Setup a host session on PCOMM

4. Enter the hostnames or IP address and port number **992** for TLS connection. Click OK.

Telnet3270

Host Definition Security Setup Printer Association

	Host Name or IP Address	LU or Pool Name	Port Number
Primary	tn3270.uk.ibm.com		23
Backup 1	tn3270.de.ibm.com		23
Backup 2			23

Connection Options

Connection Timeout: 6 Seconds

Auto-reconnect

Try connecting to last configured host infinitely

Keep Alive

Enable Telnet Keep Alive

Keep Alive Time Out: 180 Seconds

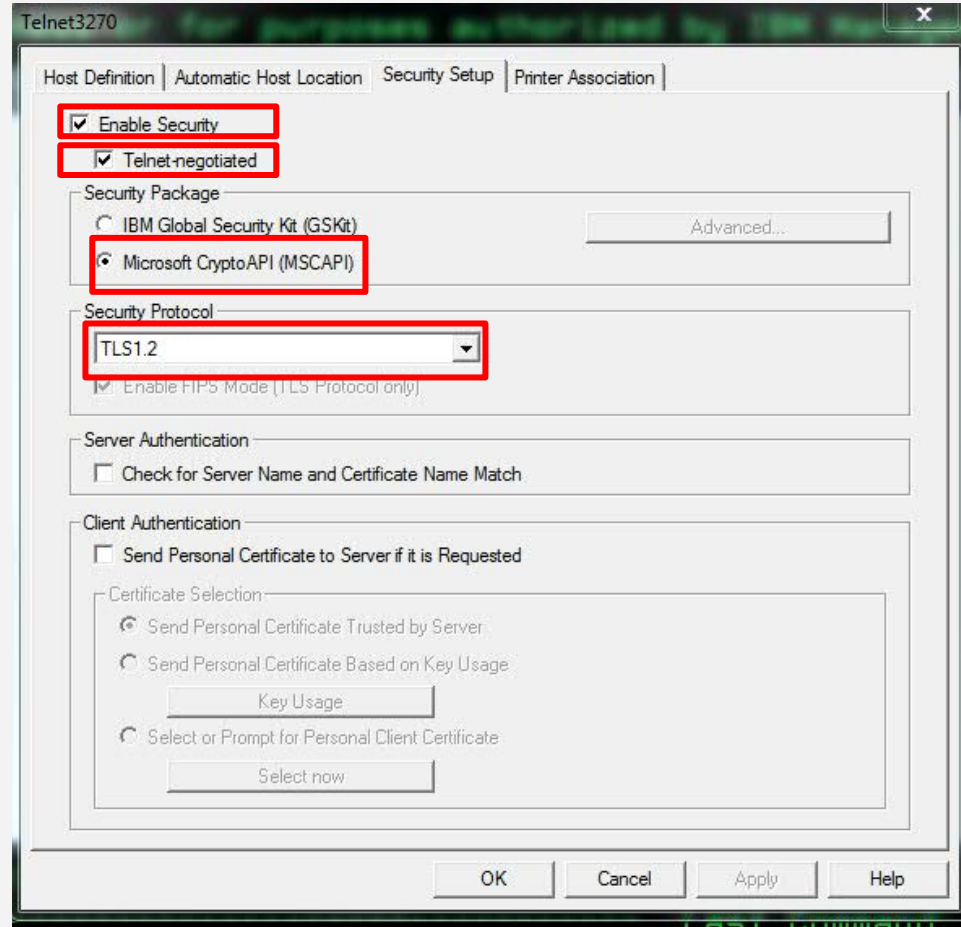
OK Cancel Apply Help

Setup a host session on PCOMM

5. Click Security Setup and check the following items:

- Enable Security
- Telnet-negotiated
- Select **Microsoft CryptoAPI(MSCAPI)** under the security Package
- Select **TLS 1.2** under the Security Protocol drop down menu

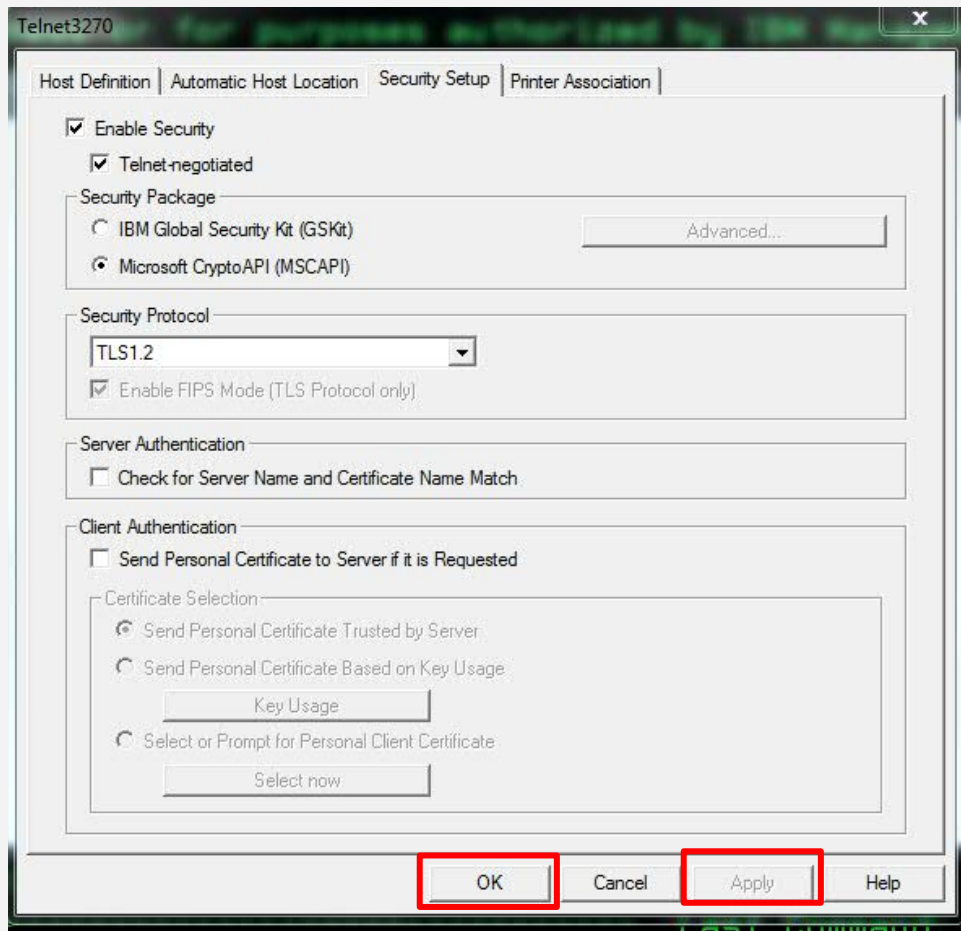
Click apply and hit OK. It will take a few seconds to connect to the server through the TLS port.



Setup a host session on PCOMM

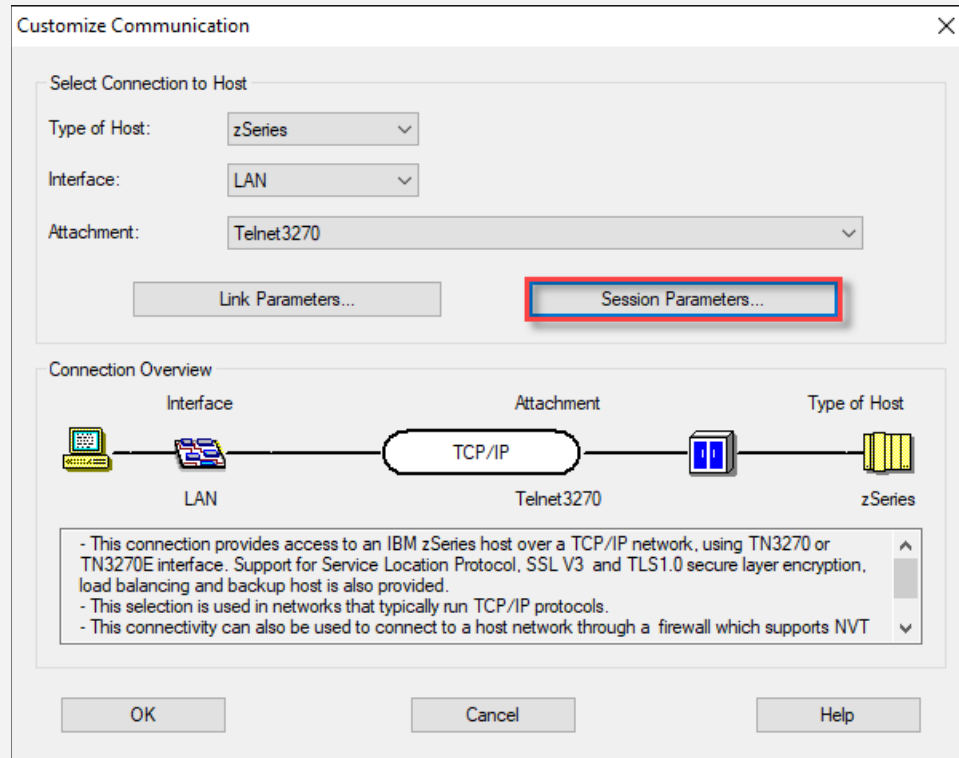
5. Click apply and hit OK.

It will take a few seconds to connect to the server through the TLS port.



Setup a host session on PCOMM

6. Click Session Parameters.



Setup a host session on PCOMM

7. Select your session parameters.

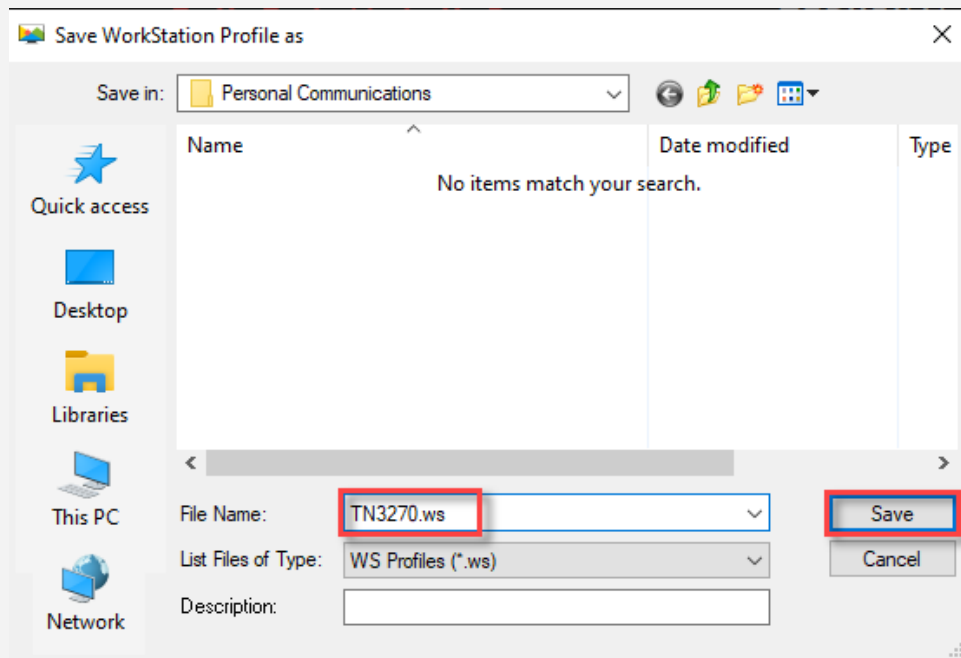
The screenshot shows a dialog box titled "Session Parameters - 3270 Host". It is divided into two main sections: "Session Parameters" and "Graphics Parameters".

- Session Parameters:**
 - Screen Size:** A dropdown menu is set to "24x80".
 - Session Type:** Two radio buttons are present: "Display" (which is selected) and "Printer".
 - Host Code-Page:** A dropdown menu is set to "285 United Kingdom".
- Graphics Parameters:**
 - Enable Host Graphics:** Two radio buttons are present: "Yes" and "No" (which is selected).
 - Advanced Parameters:** A button labeled "Configure Graphics..." is visible.

At the bottom of the dialog box, there are three buttons: "OK", "Cancel", and "Help".

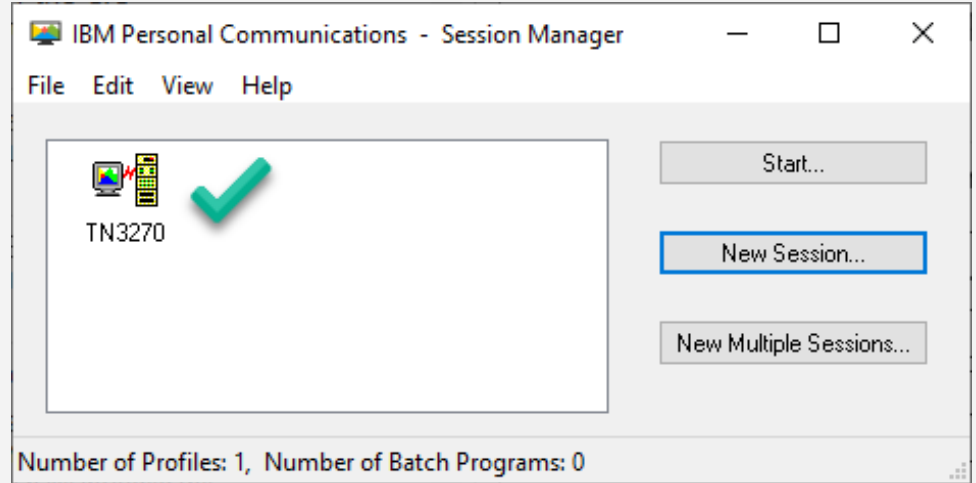
Setup a host session on PCOMM

8. Save your session.



Setup a host session on PCOMM

9. Your session is saved! You can now start it.



Setup a host session on PCOMM

After connected, you should notice the Security protocol highlighted (right) with the certificate.

```
JSSMSG10      IBM Global Services North - STFMVS1 SYSM
              IBM's internal systems must only be used for conducting
              IBM's business or for purposes authorized by IBM Management.
              Use is subject to audit at any time by IBM Management.
              Need Help? Call 888-IBM-HELP (888-426-4357)

              Enter your Logon command to access the desired application

              Enter:

              For Example:
                  TSOM userid      - Enter TSO region and userid
                  IMSI1 userid     - Enter IMS region and userid

              Applications:
TSOM          DB2D1  MQD1  CICSDB  CICS DJ  OMEGAIMS ACCT  CICS D1  IMSD1
TSO           DB2D4  MQD2  CICSDD  CICS DK  VAMOMEG  DB2P1G  CICS D3  IMSI1
TSINFOCU     DB2D5  MQD3  CICSDE  CICS D0  VAMOMEGA  VAMNC   CICS D4  IMSI2
TF1F2       DB2PRD  MQCSM  CICDDF  CICS DP  VAMNPM  VAMNSA  IMPSP2  IMSI3
              CICS DR  VAMOMEGD

              Your IP Address: 9.45.38.90          Your Telnet Port: 52410
              Server Hostname: STFMVS1.SOMERS.HQREGION.IBM.COM  SNA Netid: USIBMP0
              ----- Last Command:
LU: VA@TCP2H          Sense Code:          Date: 01/24/18 Time: 17:08

256 [Connected through Telnet-negotiated security TLS1.2 to secure remote server/host stfmvs1.pok.ibm.com using lu/pool VA@TCP2H and
```