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.

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



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2. Click New Session.

🖼 IBM Personal Communications - Session Manager 🛛 🗆 🗙					
File Edit View Help					
	Start				
	New Session				
	New Multiple Sessions				
Number of Profiles: 0 Number of Batch Programs: 0					

3. Click Link Parameters.

Customize Commu	nication		>		
Select Connection	n to Host				
Type of Host:	zSeries $\vee$				
Interface:	LAN ~				
Attachment:	Telnet3270		~		
	Link Parameters	Session	Parameters		
Connection Overview					
Int	erface	Attachment	Type of Host		
<u> </u>	<u></u>		-[]][]]]]]		
	LAN	Telnet3270	zSeries		
This connection provides access to an IBM zSeries host over a TCP/IP network, using TN3270 or TN3270E interface. Support for Service Location Protocol, SSL V3 and TLS1.0 secure layer encryption, load balancing and backup host is also provided.     This selection is used in networks that typically run TCP/IP protocols.     This connectivity can also be used to connect to a host network through a firewall which supports NVT					
ОК		Cancel	Help		

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

Telnet3270							×
Host Definition	Security Setup	Printer Association					
	H IP	ost Name or Address		LU or Pool Na	me	Port Number	
Primary	tr	13270.uk.ibm.com				23	
Backup 1	tr	13270.de.ibm.com				23	
Backup 2	Γ			<u> </u>		23	7
-Connection C	Connection Options						
Connection Timeout 6 🖨 Seconds							
Autoreconnect							
Try connecting to last configured host infinitely							
Keep Alive							
Enable	Telnet Keep Aliv	e	NOP	$\sim$			
Keep Alive	Time Out		180		Seconds		
			ОК	Cance	el	Apply	Help

- 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.

Enable Security	
✓ Telnet-negotiated	
C IBM Clabel Security IG/CSI/A)	×1
	Advanced
· MICrosoft CryptoAPT (MSCAPT)	
Security Protocol	7
TLS1.2	
M Enable FIPS Mode [TLS Protocol only]	-
Conver Authorities	
Charle for Server Name and Catificate Name	Matab
Check for Server Name and Certificate Name	Match
Client Authentication	
Send Personal Certificate to Server if it is Requ	uested
- Certificate Selection	
Send Personal Certificate Trusted by Server	er
C Send Personal Certificate Based on Key Us	sage
Key Usage	
C Select or Promot for Personal Client Certific	cate
Select now 1	
Selectrow	

5. Click apply and hit OK.

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

Enable Security			
✓ Telnet-negotiated			
Security Package			
IBM Global Security Kit (GSKit)		Advanced	
Microsoft CryptoAPI (MSCAPI)			
Security Protocol			
TLS1.2			
Enable FIPS Mode (TLS Protocol only)			
Client Authentication Send Personal Certificate to Server if it is Requ	ested		
- Certificate Selection	£4		
Send Personal Certificate Trusted by Serve			
Seno Personal Certificate based on Key U:	age		
Key Usage	1.00		
<ul> <li>Select or Frompt for Personal Llient Letting</li> </ul>	31e		
Select now			

6. Click Session Parameters.

Cus	tomize Communicat	ion		×		
	Select Connection to H	lost				
	Type of Host:	zSeries ~	•			
	Interface:	LAN ~	•			
	Attachment:	Telnet3270		~		
	I	Link Parameters	Session Paramete	ers		
	Connection Overview					
	Interfac	e	Attachment	Type of Host		
	<u> </u>	(		][[]]]]		
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	ОК	]	Cancel	Help		

7. Select your session parameters.

Session Parameters - 3270 Host	×
Session Parameters Screen Size: Session Type: Host Code-Page:	24x80 ✓ ● Display O Printer 285 United Kingdom ✓
Graphics Parameters Enable Host Graphics: Advanced Parameters:	O Yes  No Configure Graphics
ОК	Cancel Help

8. Save your session.



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



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

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