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

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# Background

This presentation will guide users in setting up a host session in Host On-Demand (HOD) for mainframe connections to use TLS-secured tn3270 connections on macOS or Linux.

Before you begin: If you do not already have HOD installed, follow the instructions to do so here.

1. Start Host On-Demand.



2. Click Add Sessions create a new session configuration.

IBM Host On-Demand								
Host On-Demand								
Configured Double-click an ico	Active Sessions							
3270 3270								
		z						
TEC5MVS Marist 3270 Display	Marist VM 3270 Display	WSC Linda						
	Add Sessions	Help Java Console	)					

3. Enter the "Destination Address" (the host name) and the "Destination Port (the port number) for your mainframe system. Choose **Telnet – TLS** as the protocol.



4. Click on the "TLS/SSL" tab in the lefthand navigator.

00		3270 Display
<ul> <li>Connection</li> </ul>	Connection	
Advanced Associated Printer	Session Name	3270 Display
Backup Servers	Destination Address	stfmv
TLS/SSL	Destination Port	992
SLP Express Logon	Protocol	Telnet – TLS
<ul> <li>Terminal Properties</li> </ul>	TN3270E	• Yes 🔿 No
Host Graphics File Transfer	Contention Resolution	• Yes 🔿 No
Data Transfer	LU or Pool Name	
Font	Screen Size	24x80
Print Screen  Preferences	Host Code Page	037 United States
Start Options	Auto-Connect	• Yes 🔿 No
Language	Auto-Reconnect	O Yes ○ No

- 5. Check the following items:
- Make sure that the "Use JSSE" is selected (checked).
- Make sure that "TLS Version" is set to **TLS v1.2**.
- Make sure that "Server Authentication" is **not** selected.
- Make sure that "Send a Certificate" is **not** selected.

	3270 Display					
<ul> <li>Connection</li> </ul>	TLS/SSL					
Advanced						
Backup Servers	Use JSSE	• Yes 🔿 No				
TLS/SSL	TLS Version	TLS v1.2				
SLP Express Logon	Telnet-negotiated	🔾 Yes 💿 No				
<ul> <li>Terminal Properties Host Graphics</li> </ul>	FIPS Mode	<ul> <li>Yes</li> <li>No</li> <li>Yes</li> <li>No</li> <li>Yes</li> <li>No</li> </ul>				
File Transfer Data Transfer	Server Authentication					
▼ Screen	Add MSIE browser's keyring					
Font Print Screen	If Server Requests Client Certificate (	defaults)				
<ul> <li>Preferences</li> </ul>	Send a Certificate	🔿 Yes 💿 No				
Start Options Language	Certificate Source	URL or local file				
	URL or Path and Filename					
		Select File				
		Setup				
	Enable Key Usage	🔾 Yes 💿 No				
		Key Usage				
	Certificate Name	-any certificate trusted by the server-				
	How often to prompt	First time after HOD is started				
	Retrieve certificate before connect	○ Yes ● No				

5. Click OK.

00	3270 Di	splay				
<ul> <li>Connection</li> <li>Advanced</li> <li>Associated Printer</li> </ul>	TLS/SSL					
Backup Servers Proxy Server	Use JSSE	O Yes ○ No				
TLS/SSL	TLS Version	TLS v1.2	\$			
Express Logon	Telnet-negotiated	🔵 Yes 💿 No				
<ul> <li>Terminal Properties Host Graphics</li> </ul>	FIPS Mode	• Yes 🔘 No				
File Transfer	Server Authentication	🔵 Yes 💿 No				
Data Transfer Screen	Add MSIE browser's keyring	🔵 Yes 💿 No				
Font	- If Server Requests Client Certific	cate (defaults)				
Print Screen	Sand a Cortificate					
<ul> <li>Preferences</li> <li>Start Options</li> </ul>						
Language	Certificate Source	URL or local file	0			
	URL or Path and Filename					
		Select File				
		Setup				
	Enable Key Usage	🔿 Yes 💿 No				
		Key Usage				
	Certificate Name	-any certificate trusted by the server-	0			
	How often to prompt	First time after HOD is started	0			
	Retrieve certificate before conne	ect 🔿 Yes 💿 No				

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

	IBM Host On-Demand	
Host On-Demand		
Configured Sess Double-click an icon to st	ions Search	Active Sessions
3270 3270 32 TEC5MVS Marist 3270 Mar Display	70 x 3270 x WSC Linda	
	Add Sessions Help Java Console	

After connected, a lock icon is displayed in the status bar with a number indicating the level of encryption (right). If the session is not TLS/SSL-based, the icon shows as unlocked.

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Host On-Demand ATS1_secure - A ×												
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PF7		rrð	PF9	PFIU	rfil	PFIZ	Clea	r PAZ	Sy	skeq	Delete	NextPad
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