









TKOSPECLU and TKOGENLU - will takeover the LU, but will close the SNA session before the LU is given to the new connection.

TKOSPECLURECON and TKOGENLURECON - will also takover the LU and keep the SNA session established. For this option, an additional parameter can be specified to ensure the session is indeed taken over from the same IP address (the client-ID could be based on something else, such as a host name where the underlying IP address could have changed)



## IRM New CheckClientConn solution added - basics of operation 1 Connection 1, 2, and 3 are established from client a.b.c.d - they a.b.c.d - conn1 - LUx can be generic, specific, or a mix of both. a.b.c.d - conn2 - LUy 2 Telnet accepts or selects LU names, adds the associations into a.b.c.d - conn3 - LUz an in-storage table, and establishes SNA sessions with backend SNA applications. SNA 3 A network problem occurs, and the client loses connectivity for SNA 3270 esion App connection 2 and 3. 4 The client sends a new connection requests to the telnet server - connection 4 (and maybe also connection 5, which will be delayed until processing for Connection 4 has completed) SNA 3270 Applicatio 5 Telnet recognizes it has more connections already with this client (it believes it has three at this point in time) Client

- -5a. Suspends connection processing for connection 4
- -5b. Sends timemark on Connection 1, 2, and 3
- -5c. Connection 1 responds to the timemark (is still alive and well) - Telnet logs the response and continues to wait for responses from Connection 2 and 3
- 6 When the wait time expires, telnet determines Connection 2 and 3 are dead and cleans those connections up including removing the entries in the in-storage table, terminating their SNA sessions, and freeing the LUs that were used (LUy and LUz)
- 7 Telnet now continues setup for the new connection requests, assigns an LU name (which may be one of those just freed or not), adds new entries to the in-storage table, and starts new SNA sessions

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ID a.b.c.d

TN3270

Server

Avoids CPU and network overhead of repetitive

✓ Cleans up all connections from same workstation

Especially useful for TSO sessions where a user ID

can only be logged on from one LU at a time

✓"Just-in-time, selected timemark processing"

timemark processing of all connections

when first connection is re-established

	IKM
How to request TN3270 use of CheckClient	tConn
CheckClientConn / NoCheckClientConn	
<ul> <li>CheckClientConn / NoCheckClientConn can be specified at three levels of granularity.</li> <li>TelnetGlobals</li> <li>TelnetParms</li> <li>ParmsGroup</li> </ul>	
-CheckClientConn sec [maxconns]	
-sec - specifies the number of seconds Telnet will wait for clients to respond. Valid range is seconds. There is no default. sec must be specified. Good value seems to be 5 seconds	s 1-99999999
-maxconns - specifies the maximum number of connections Telnet will check for a single default is 50. Valid range is 1-99999999 connections.	ClientID. The
<ul> <li>This parameter is important if a large number of clients appear to be coming from a sin (such as through a proxy server or NAT table) and that Client ID can not be excluded ParmsGroup/ParmsMap statements.</li> </ul>	ngle ClientID with
- NoCheckClientConn	
-No parameters for this statement. Used to turn off CheckClientConn for specific cases.	
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			IEM
Extensions to the LU exit	t routine to also	determine USS table r	name
<ul> <li>Support USS table assignment fi</li> <li>Provide space in the parameter list         <ul> <li>-3270 format USS table</li> <li>-SCS format USS table</li> <li>-Interpret table</li> </ul> </li> </ul>	rom the LU Exit routin to return:	e.	
<ul> <li>The LU Exit assigned USS table w</li> <li>The connection must be a TN3270         <ul> <li>The LU must be assigned during</li> <li>Non-TN3270E connections are not the first USSMSG10 screen has a</li> </ul> </li> </ul>	ill take precedence over a E connection without Sim TN negotiation before the fi ot assigned an LU name un uready been sent to the clie	any mapped USS table. ClientLU specified. irst USSMSG10 screen is sent. til the application name is chosen. By ent.	y then,
Make sure any LU Exit that assigns USS table names is used only on V1R8 and above. The parameter list has expanded to accommodate the USS table names. Attempting to write these names into a downlevel parameter list will result in storage overlays! Add logic to your LU Exit to verify the input parameter list is version level 2 or higher.	CLIDa LU1 USSMSG10 Accting CLIDb LU2 USSMSG10 Inventory CLIDc LU3 USSMSG10 Common CLIDd LU4 USSMSG10 Common	Profile IPGroup IPALL 0.0.0.0.0.0 EndlpGroup LuGroup MYLUXIT,EXIT EndLuGroup LUMAP MYLUXIT IPALL CLIDa CLIDa CLIDa	LU1 USSACCT LU2 USSINVEN LU3 USSCOMN LU4 USSCOMN
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		IRM
LUEXIT USS Tables an A large number of TN3270 profiles, unique table For each name pair, a control block exist Tables loaded once per profile.	d storage cor ole names, or LU Exits will us sts at the profile level and for	se more storage. • each LU Exit.
Profile 1       USS Table 1 SCS Table 1 USS Table 2 SCS Table 1 USS Table 3 SCS Table 1 USS Table 4 SCS Table 4         USS Table 1       USS Table 1         USS Table 1       USS Table 1	LU Exit 1 LU Exit 2 LU Exit 3 LU Exit 4	USS Table 1 SCS Table 1 USS Table 2 SCS Table 1 USS Table 2 SCS Table 1 USS Table 3 SCS Table 1 USS Table 1 SCS Table 1 USS Table 4 SCS Table 4
Profile 2 USS Table 1 SCS Table 1 USS Table 2 SCS Table 1 USS Table 3 SCS Table 1 USS Table 4 SCS Table 4 USS Table 1 USS Table 4 SCS Table 1 SCS Table 4	LU Exit 1 LU Exit 2 LU Exit 3 LU Exit 4	USS Table 1 SCS Table 1 USS Table 2 SCS Table 1 USS Table 2 SCS Table 1 USS Table 3 SCS Table 1 USS Table 1 SCS Table 1 USS Table 4 SCS Table 4
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Background Inforr	nation on US	S tables and symbo	lics
USS tables define con - USSMSG10 - Initial log - Most other USSMSGx:	nmands the end u gon panel. k are used to report o	ser enters and messages re	eturned.
Symbolic substitution	for certain variab	les known to Telnet exist fo	r messages already.
⊾LU name	@@LUNAME		
►IP Address	@@IPADDR		
-IP Port	@@PRT		
-Hostname	@@IPHOSTN	AME	
Date/Time	@@@@DATE/@@@	@TIME	
USSMSG10: Port: IPADDR:	Enter: LOGON # 01648 9.94.103.223	PPLID() LOGMODE() DATA( Date: 01/18/06 Time: 15:14:41	
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Add suppo	ort for system	symbolics to USS tab	oles	
Add support Specify LUI Telnet will r &SYSNAM	t for System Symb NAME or SCAN on th now also check for Sy E. &SYSR1.	bolic substitution within TN32 he message as you would for @@ ystem Symbolics in the message s	<b>70 USS tables.</b> 2 string substitution. string.	
VSSM Port IPAD Syste	SG10: Enter: LOO : 01648 DR: 9.94.103.223 em Name: MVS023	GON APPLID() LOGMODE() DAT Date: 01/18/06 Time: 15:14:41 Release: MVS018 e MSG10 Screen	FA()	
DC	X'11' DC X'C2E0' DC X'ID' DC X'F0' DC C'System DC C'Release	SET BUFFER ADDRESS ORDEN ROW 5 COLUMN 2 START FIELD PROTECT SKIP NOP Name: &&SYSNAME.	RMAL RMAL RMAL	
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TN3270.ppt







## IKM













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