

TS7700 Release Notes - 8.41.101.10 (R4.1 Phase 1A)

IBM System Storage TS7700

Release Notes for the TS7700 (3957 VEC / VEB / V07)

- EC: M13874 released June 2, 2017

New Function Supported:

- **High Capacity Drives (8TB DDMs)**
- **DS8000 to TS7700 offload (via RPQ)**

TS7700 CODE REQUIREMENTS

Hydra	8.41.101.10 (EC M13874, PN 01PL792, 01PL793 (DVD 1 & 2))
DB2	10.5.0.5 Informational tokens: "DB2 v10.5.0.5", "s141128", "IP23626", and Fix Pack "5"
AIX Base Level	7.1.4.0 (Included under EC M13874)
AIX Fixpack	7100-04-01-1543+07
P8 Server Firmware	FW810.40
TS4500 (Anaconda) Firmware	1.4.0.0-C00 (Included in EC M14009)
TS3500 (Anaconda) Firmware	F030
3592 J1A Tape Drive	D310_C90
3592 E05 Tape Drive	D311_F1F
3592 E06 Tape Drive	D312_883
3592 E07 Tape Drive	D313_B87 (Included under EC M13947)
3592 E08 Tape Drive	D314_7A4 (Included under EC M13948)
TSSC	8.2.14 + Call Home Queue Patch (EC M13856, PN 2726424 (DVD 1))
TSSC Documentation	(EC M13856 PN 2726424)
3956-CC9/CS9/CSA Firmware	08.20.21.00
Storage Manager GUI	11.20.0G05.0018
TKLM	TKLM v2 2.0.0.2, 2.0.0.5
ISKLM	2.6.0.0
Atape	13.0.8.0
GPFS	Release 4.1.1 PTF 7 code
OpenLdap	2.4.40
ITDT	9.0.1.20160222
AIX Diagnostics CD	V7.2.0.0
16Gbit Cisco Switch Firmware	BIOS level 2.1.17 Kickstart software level 6.2(9) System software level 6.2(9)
Mandatory VTD EXECs	vtd_exec.264 v1.07 - Add capability to use LDAP without searches vtd_exec.265 v1.03 - dsEncrypt check fix for External disk encryption

Platform Requirements Matrix

Test	Software Level
zOS	V2R1
zTPF	1.1
zVM	6.3
zVSE	5.1, 5.2, 6.1

Switch and Channel Extender Support Matrix

Product Vendor and Model	Product Levels of Microcode supported	TS7700 levels of microcode supported
Brocade DCX	7.4.0a, 7.4.1b	8.41.101.10
IBM 2499-384		
(SAN768B)		
Nortel 10Gb/sec MOTR card supported		
End of Support: 11/14/2019		
Brocade DCX-4S	7.4.0a, 7.4.1b, 7.4.1d	8.41.101.10
IBM 2499-192		
(SAN384B)		
Nortel 10Gb/sec MOTR card supported		
End of Support: 11/14/2019		
Brocade 8510-8	7.4.0a, 7.4.1b, 7.4.1d, 8.0.1b	8.41.101.10
IBM 2499-816		
(SAN768B-2)		
Brocade 8510-4		
IBM 2499-416		
(SAN384B-2)		
Brocade 5300	7.2.1d	8.41.101.10
IBM 2498-B80		
(SAN80B-4)		
End of Support 8/21/2019		
Brocade 7800	7.4.0a, 7.4.1b	8.41.101.10
IBM 2498-R06		
(SAN06B-R)		
Brocade 6510	7.4.0a, 7.4.1b, 7.4.1d, 8.0.1b	8.41.101.10
IBM 2498-F48		
8, 16 GB/sec		
(SAN48B-5)		
Brocade 7840	7.4.0a, 7.4.1b, 7.4.1d, 8.0.1b	8.41.101.10
IBM 2498-R42		

(SAN42B-R)		
Brocade X6-4	8.0.1b	8.41.101.10
IBM 8961-F04		
(SAN 256B-6)		
Brocade X6-8		
IBM 8961-F08		
(SAN 512B-6)		
Cisco MDS9506	6.2.5a, 6.2.5b, 6.2.11c/6.2.11d	8.41.101.10
IBM 2062-D04	See note below for FTA	
IBM 2054-E04		
Cisco MDS9509	6.2.5a, 6.2.5b, 6.2.11c/6.2.11d	8.41.101.10
IBM 2062-D07	12, 24 & 48 port blades only	
IBM 2054-E07	See note below for FTA	
Cisco MDS9513	6.2.5a, 6.2.5b, 6.2.11c/6.2.11d	8.41.101.10
IBM 2062-E11	12, 24 & 48 port blades only	
IBM 2054-E11	See note below for FTA	
Cisco MDS9222i	6.2.5a, 6.2.5b, 6.2.11c/6.2.11d	8.41.101.10
	12, 24 & 48 port blades only	
	See note below for FTA	
Cisco MDS9250i	6.2(11c), 6.2(11e)	8.41.101.10
Cisco MDS9710	6.2.5a, 6.2.5b, 6.2.11c/6.2.11d	8.41.101.10
	12, 24 & 48 port blades only	
	See note below for FTA	

PROBLEM FIXES:

Problems fixed in this level are described below. There are 45 defects fixed in this release; 8 defects occurred or were related to problems in client installations. They are described below with the following designations:

HIPER = High Impact & Pervasive (3 or more occurrences)

High Impact = Loss of access or loss of data (less than 3 occurrences)

Acute = A unrecoverable error with potential loss of data

Serious = A unrecoverable error with potential loss of access to data

Moderate = A system path is not operational and performance might be degraded

Service = A recoverable error, Service Improvements

Improvement = Improvement for better usability

Pervasive: problems with 3 or more occurrences

HIPER: slow internal network fail over; may cause cluster reboot
Dev fix description: code logic changed to better manage Virtual IP
Pervasive: YES
Ref: 79794

High Impact: Reboot required to fix preferred pathing issues
Dev fix description: Firmware update to allow preferred pathing fix without reboot
Pervasive: No
Ref: 82405

Moderate: online process extended after code upgrade
Dev fix description: Correct DB migration process in join in mixed code level grid
Pervasive: YES
Ref: 81103

Service: Java installation scripts do not check for available space in the filesystem; may fail with out of space condition
Dev fix description: Code logic changed to check for available space before starting
Pervasive: No
Ref: 81183

Service: LDAP server name with dashes causes false degrade in system checkout
Dev fix description: Allow dashes in server name
Pervasive: No
Ref: 82075

Service: After a join NTP sources were redefined preventing clusters to time sync
Dev fix description: Code modified to search for a NTP source if none found; alert on unsuccessful search
Pervasive: No
Ref: 80342

Improvement: Duplicate host messages IDs

Dev fix description: New message IDs were created for the new messages

Pervasive: No

Ref: 81201

Improvement: Request to allow LDAP to run in a very restrained environment

Dev fix description: Allow LDAP to be used by specifying a DN pattern in the filter field

Pervasive: YES

Ref: 81326