

TS7700 Release Notes - 8.42.1.8 (R4.2 PGA1)

IBM System Storage TS7700

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

- EC: M14215 released October 19, 2018

New Function Supported:

- Tier To Cloud

TS7700 CODE REQUIREMENTS

Hydra	8.42.1.8 (EC M14315, PN 02PY342, 02PY343, 02PY344 (DVD 1, 2, & 3))
DB2	11.1.0.0 Informational tokens: "DB2 v11.1.0.0", "s1606081100", "DYN1606081100AIX", and Fix Pack "0"
AIX Base Level	7.2.2.0
AIX Fixpack	7200-02-01-1731+04
P8 Server Firmware	FW860.20
DIMM 32 GB	PPN = 00LP777 for FC 3466 will release in EC M14214A, FRU 00VK192
TCT	Version=1.1.5.1, RPM_BuildNumber=22
Cloud Support	IBM Cloud Object Storage System (COS) appliance solution Version 3.13.1 April Maintenance Release (Storage_COSS_3.13.1.34) S3 Protocol
	AWS, S3 Protocol
TS4500 (Anaconda) Firmware	1413-I00
TS3500 (Anaconda) Firmware	G060
3592 J1A Tape Drive	D310_C90
3592 E05 Tape Drive	D311_F1F
3592 E06 Tape Drive	D312_883
3592 E07 Tape Drive	D313_C84
3592 E08 Tape Drive	D314_88C
TSSC	8.5.5
3956-CC9/CS9/CSA Firmware Storage Manager GUI	08.30.50.00 11.30.6528.0 - 02PY212 - CDRom TSSC Storage Manager GUI v11.30.0A05.0028 for Hydra 64-bit Source
ISKLM	2.6.0.0
Atape	13.0.24.0
GPFS	GPFS Release 5.0.1 efix g501p0e6
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	N/A

Platform Requirements Matrix

Test	Software Level
zOS	V2R3
zTPF	1.1
zVM	6.3, 6.4
zVSE	5.2, 6.1, 6.2

Switch and Channel Extender Support Matrix

Product Vendor and Model	Product Levels of Microcode tested	TS7700 levels of microcode tested
Brocade DCX IBM 2499-384 (SAN768B) Nortel 10Gb/sec MOTR card supported End of Support: 11/14/2019	7.4.1b, 7.4.1d, 7.4.2a,7.4.2a1	8.42.1.8
Brocade DCX-4S IBM 2499-192 (SAN384B) Nortel 10Gb/sec MOTR card supported End of Support: 11/14/2019	7.4.1b, 7.4.1d, 7.4.2a,7.4.2a1	8.42.1.8
Brocade 8510-8 IBM 2499-816 (SAN768B-2) Brocade 8510-4 IBM 2499-416 (SAN384B-2)	7.4.1b, 7.4.1d, 7.4.2a, 7.4.2a1, 8.0.1b, 8.0.2b, 8.0.2b2, 8.1.0c, 8.1.2a, 8.2.0a	8.42.1.8

Brocade 7800 IBM 2498-R06 (SAN06B-R) Brocade 6510	7.4.1b, 7.4.1d	8.42.1.8
IBM 2498-F48 8, 16 GB/sec (SAN48B-5)	7.4.1b, 7.4.1d, 7.4.2a, 7.4.2a1, 8.0.1b, 8.0.2b, 8.0.2b2, 8.1.0c, 8.1.2a, 8.2.0a	8.42.1.8
Brocade 7840 IBM 2498-R42 (SAN42B-R)	7.4.1b, 7.4.1d, 7.4.2a, 7.4.2a1, 8.0.1b, 8.0.2b, 8.0.2b2, 8.1.0c, 8.1.2a, 8.2.0a	8.42.1.8
Brocade X6-4 IBM 8961-F0 (SAN256B-6) Brocade X6-8 IBM 8961-F08 (SAN 512B-6)	8.0.1b, 8.0.2b, 8.0.2b2, 8.1.0c, 8.1.2a, 8.2.0a	8.42.1.8
Cisco MDS9506 IBM 2062-D04 IBM 2054-E04	6.2.11c/6.2.11d, 6.2(11e)	8.42.1.8
Cisco MDS9509 IBM 2062-D07 IBM 2054-E07	6.2.11c/6.2.11d, 6.2(11e) 12, 24 & 48 port blades only	8.42.1.8
Cisco MDS9513 IBM 2062-E11 IBM 2054-E11	6.2.11c/6.2.11d, 6.2(11e) 12, 24 & 48 port blades only	8.42.1.8

Cisco MDS9222i	6.2.11c/6.2.11d, 6.2(11e) 12, 24 & 48 port blades only	8.42.1.8
Cisco MDS9250i	6.2.11c/6.2.11d, 6.2(11e), 8.1(1a)	8.42.1.8
Cisco MDS9710	6.2.11c/6.2.11d, 6.2(11e), 8.1(1a) 12, 24 & 48 port blades only	8.42.1.8

PROBLEM FIXES:

Problems fixed in this level are described below. There are 58 enhancements/defects fixed in this release; 11 defects occurred or were related to problems in client installations. They are described below with the following designations:

HIPER = High Impact & Pervasive

High Impact = Loss of access or loss of data

Acute = An unrecoverable error with potential loss of data

Serious = An 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

High Impact: Virtual tape device hangs requiring a device reset when Sync copy mount fails.

Pervasive: No

Reference: 85651

Serious: A race condition occurs when collecting adaptor information from an adaptor, an incoming message does not get processed or retried.

Pervasive: No

Reference: 86450

Serious: Ficon panic during I/O.

Pervasive: No

Reference: 86384

Serious: Database reorg hit a lock issue resulting in a cluster reboot.

Pervasive: No

Reference: 86309

Serious: 8Gb FICON adapter failed to write data with FICON-compression.

Pervasive: No

Reference: 85844

Serious: Cluster reboots when LI REQ OTCNTL operation is initiated.

Pervasive: No

Reference: 86288

Moderate: LI REQ OTCNTL operation can't be stopped.

Pervasive: No

Reference: 84423

Moderate: Unexpected ownership change occurred after LI REQ COPYRFSH completes.

Pervasive: No

Reference: 86222

Moderate: When cluster and URL association fails, error event message may be confusing because it does not indicate container name.

Pervasive: No

Reference: 86206

Moderate: Li Req STATUS,GRID on pre R4.0 cluster does not show status from R4.0 or later clusters.

Pervasive: No

Reference: 81585

Improvement: Core dump file was not collected by call home.

Pervasive: No

Reference: 85645