

TS7700 Release Notes - 8.53.1.21 (R5.3 PGA1)

IBM System Storage TS7700

Release Notes for the TS7700 (3957 VED)

- EC: P25848 released February 10, 2023

New Function Supported:

- None

TS7700 CODE REQUIREMENTS

TS7700	8.53.1.21
DB2	v11.5.5.1 informational tokens are "DB2 v11.5.5.1", "s2103171200", "DYN2103171200AIX", and Fix Pack "1"
AIX Base Level	AIX 7.2.5.101
AIX Fix pack	7200-05-03-2148+02
P9 Server Firmware	FW950.0 (VL950_099)
TCT	Version=1.1.8-1281
Cloud Support	IBM Cloud Object Storage System (COS) appliance solution Version 3.15.7.43 April Maintenance Release (Storage_COSS_3.15.7.43) / S3 Protocol AWS, S3 Protocol
TS4500 (Anaconda) Firmware	1800-C00
TS3500 (Anaconda) Firmware	H015
3592 E06 Tape Drive	D3I2_883
3592 E07 Tape Drive	D3I3_DCB
3592 E08 Tape Drive	D3I4_B12
3592 60F Tape Drive	D3I5_78D
TSSC	9.3.11
3956-CSB/CFC (2072-312 V5030E) Firmware	8.5.0.5
HDD (3956-CSB)	Seagate Evans Non-SED 7200 rpm, 3.5 inch, 10TB, SAS 12Gb/s 4Kn / FW BCL5
SSD (3956-CFC / 3956-XFC)	Seagate Tatsu Non-SED 7200 rpm, 3.5 inch, 10TB, SAS 12Gb/s 4Kn / FW lvl BCGd
	Seagate Mobula Non-SED 7200 rpm, 3.5 inch, 10TB, SAS 12Gb/s 4Kn / FW lvl BCHC
	Seagate EvansBP Non-SED 7200 rpm, 3.5 inch, 10TB, SAS 12Gb/s 4Kn / FW KCP5

	Samsung 1643A SSD tier1_flash, 2.5 inch, 3.84TB, SAS 12Gb/s / FW lvl MS73
	Samsung 1653, Flash-SSD, 12Gb/s, 2.5 inch, 3.5TB, SAS 12Gb/s FW lvl SS82
RestAPI	Bundle Version 1.0.43
Atape	13.0.46.0
GPFS	GPFS Release 5.1.5.1
ITDT	9.5.2.20211117
AIX Diagnostics CD	Version 7.2
16Gbit Cisco Switch Firmware	BIOS level 2.1.17 Kickstart software level 6.2(9) System software level 6.2(9)
VTD EXECs	VTD_EXEC .389 v.106

Platform Requirements Matrix

Test	Software Level
zOS	V2R4
zTPF	1.1
zVM	6.3, 6,4
zVSE	5.2, 6.1, 6.2

Test Processor Support Matrix

Code Name	Processor	Channel Speed
zEC12	2827	8Gbit
zBC12	2828	8Gbit
z13	2964	16Gbit
z14	3906	16Gbit
z15	8561	16Gbit
z16	3931	16+Gbit

PROBLEM FIXES:

Problems fixed in this level are described below. There are 216 enhancements/defects fixed in this release; 23 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

Acute: DS8K Offload: Issue with fileset naming

Pervasive: No

Reference: 93545

Serious: GRID: Issue with appending to an existing volume from a different host results in volume getting marked hot

Pervasive: No

Reference: 93878

Serious: RAS: Timing issue when checking local hard drives resulted in multiple checks getting spawned

Pervasive: No

Reference: 94300

Serious: RAS: Check for deleted volumes in cache is reporting incorrect data

Pervasive: YES

Reference: 94294

Serious: RAS: Check for deleted cache volumes in the cache is looking at the wrong file

Pervasive: No

Reference: 94142

Serious: RAS: AIX reporting the wrong version of ntp.rte installed resulting in failure to configure ntp

Pervasive: YES

Reference: 94110

Serious: RAS: Add code to periodically cleanup old log files

Pervasive: No

Reference: 94047

Serious: Copy Export : Fix timing issue that resulted in not exporting all available volumes

Pervasive: No

Reference: 93207

Serious: RAS: Add additional capabilities to identify a bad sas adapter

Pervasive: No

Reference: 93205

Moderate: IO: Resource contention between two threads resulted in a deadlock and the cluster became sick but not dead.

Pervasive: No

Reference: 94066

Moderate: RAS: Entering incorrect IPs for an external EKM results in a memory leak

Pervasive: No

Reference: 94189

Moderate: UI Dual Control: When a user with checker authority changes their password they lose checker authority

Pervasive: No

Reference: 94457

Moderate: Tape Attach: JD media fails to mount on Jag6 drive

Pervasive: No

Reference: 94184

Moderate: UI: Management class panel missing on the MI

Pervasive: No

Reference: 94124

Moderate: LWORM: Improve overwrite detection and reporting

Pervasive: No

Reference: 93417

Moderate: WORM: Use julian dates for monitoring data

Pervasive: No

Reference: 93263

Service: RAS: Cache check incorrectly reporting an error during a rebuild then reporting that cache is optimal

Pervasive: No

Reference: 93915

Service: RAS: Health checks on cache incorrectly aborting due to a timing issue

Pervasive: No

Reference: 94162

Service: RAS: Add first time data capture to troubleshoot intermittent issues with certificate synchronization across the grid

Pervasive: No

Reference: 94313

Service: RAS: Add certificate synchronization checking to system checks

Pervasive: No

Reference: 93826

Improvement: CONFIG: Increase the size of a logging filesystem

Pervasive: No

Reference: 94046

Improvement: Docs: Update TS7700 Series Notification Messages White paper Version 5.2.2 with additional codes

Pervasive: No

Reference: 93933