

TS7700 VTD_EXEC Release Notes

IBM System Storage TS7700

Release Notes for TS7700 (3948 VED / 3957 VED / 3957 VEC) VTD_EXEC

- Released 18 December 2024

PROBLEM FIXES:

Known field issues fixed in the various VTD_EXEC are described below.

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

vtd_exec release 12/18/24

vtd_exec.412 v1.01

Add support for new FRUs for FC 1041

Concurrent: Yes

Installation Time: 10 minutes

vtd_exec release 11/25/24

vtd_exec.182 v1.40

vpdd replacement and join/merge hdb script updates

vtd_exec release 10/28/24

vtd_exec.205 v1.09

Hydradump updates for log collection.

vtd_exec.347 v2.06

Firmware Updates and Security Enhancements for TS7700 Cache Systems, including updates for CSB and CFC (cache FW, expansion FW, drive package FW) and Upgrade Test Utility. Additional cache and disk scripts/API updates and security fixes.

vtd_exec release 09/30/24

vtd_exec.269 v2.09

Java updates for TS7700

vtd_exec.279 v1.19

Security improvements - <https://www.ibm.com/support/pages/node/7171822>

vtd_exec.405 v1.00

Security improvements - <https://www.ibm.com/support/pages/node/7171828>

vtd_exec.408 v1.00

Service Authorization Fixes

vtd_exec.904 v1.09

Web Code Updater for TS7700 code level R5.4

Serious: Addresses an issue where LDAP user ability to create/modify is discarded

Pervasive: No

Reference: 97205

Serious: Addresses an issue where Dual Control is incorrectly stating there are not enough checkers available

Pervasive: No

Reference: 97206

Serious: Address an issue where the MI login fails if the administrator account is not correctly set in the database

Pervasive: No
Reference: 97236

Moderate: Addresses an issue where the client can not create a Management Class or Logical Volume Search
Pervasive: Yes
Reference: 97277

vtd_exec release 09/04/24

vtd_exec.182 v1.38

Updates to Joins and Merges

vtd_exec.904 v1.05

R54 Web Code Updater

vtd_exec release 06/24/24

vtd_exec.182 v1.37

Updates to Joins and Merges

vtd_exec.261 v1.13

Frame replacement pre-check

vtd_exec.404 v1.00

TCT Monitor for S3 Server in R5.4PGA1

vtd_exec.406 v1.00

Disable unused code functionality for code hygiene purposes

vtd_exec.407 v1.04

Security Enhancement: Update Python to address security vulnerabilities

vtd_exec.903 v1.16

R53 Web Code Updater

vtd_exec.904 v1.04

R54 Web Code Updater

vtd_exec release 06/11/24

vtd_exec.402 v1.00

TS7700C S3 Server SSL Cert Verification Fix For TCT Cloud Using Proxy Server

vtd_exec release 05/10/24

vtd_exec.103 v2.04

This exec provides system checkout updates to enhance serviceability of the TS7700

vtd_exec release 04/30/24

vtd_exec.279 v1.18

Security improvements

Note: vtd_exec.279 v1.18 vs 1.17

The later version contains support for an additional code level.

There is no need to install v1.18 over v1.17 as there are no functional differences.

vtd_exec release 04/08/24

vtd_exec.269 v2.07

Java updates for TS7700

vtd_exec.279 v1.17

Security improvements – <https://www.ibm.com/support/pages/node/7142104>

vtd_exec.401 v1.01

Fix for the issue of cache_quotas_mgr execution failure

vtd_exec release 01/29/24

vtd_exec.269 v2.05

Security improvements – <https://www.ibm.com/support/pages/node/7105342>

vtd_exec release 12/11/23

vtd_exec.103 v2.02

This exec provides system checkout updates to enhance serviceability of TS7760 and TS7770

vtd_exec.399 v1.01

Service: Addresses issue where health status of TS7760 backend disk cache is not properly reported in TS7760 MI tasks

Pervasive: No

Reference: 95115

vtd_exec.901 v1.19 (R5.2 Phase 1)

vtd_exec.903 v1.10 (R5.3)

Security improvements - <https://www.ibm.com/support/pages/node/7092383>

Note: Contrary to prior guidance, improvements provided through vtd_exec.901 and vtd_exec.903 cannot be installed by a client operator through the TS7700 Web User Interface (Management Interface, MI) at this time. Please engage with the RCL team as required: <https://tape.ibmrc1.enterpriseappointments.com/v2/>

vtd_exec release 10/30/23

vtd_exec.080 v1.37

Service Tool: Backup for server/frame replacement MES

vtd_exec.279 v1.15

Security improvements: Updating code libraries to latest versions for code hygiene

vtd_exec.389 v1.07

Code signing to be able to upgrade to R5.3 or R5.4

Note: This vtd_exec must be installed on systems with lower code level prior to upgrading to R5.3 or upgrading to R5.4

vtd_exec.400 v1.00

Watchdog for FC 5278, Enable Cloud Storage Tier

vtd_exec release 10/12/23

vtd_exec.103 v1.99

This exec provides system checkout updates to enhance serviceability of TS7760 and TS7770

Addresses TS7700 (3957-VED, 3948-VED) with code level

vtd_exec release 09/14/23

vtd_exec.182 v1.36

Service improvements to support TS7700 cluster join/merge operation.

vtd_exec.398 v1.00

Improvements to rsyslog

vtd_exec.901 v1.14 (R5.2 Phase 1)

vtd_exec.903 v1.07 (R5.3)

Security improvements - <https://www.ibm.com/support/pages/node/7031979>

Note: Contrary to prior guidance, improvements provided through vtd_exec.901 and vtd_exec.903 cannot be installed by a client operator through the TS7700 Web User Interface (Management Interface, MI) at this time. Please engage with the RCL team as required: <https://tape.ibmrc1.enterpriseappointments.com/v2/>

vtd_exec release 07/31/23

vtd_exec.188 v1.55

Improvements to Call Home functionality

vtd_exec.269 v2.04

Security improvements – <https://www.ibm.com/support/pages/node/7015879>

vtd_exec release 07/05/23

vtd_exec.103 v1.95

This exec provides system checkout updates to enhance serviceability of TS7760 and TS7770

vtd_exec.347 v2.04

Firmware Updates for backend disk cache and drives.

vtd_exec release 05/30/23

vtd_exec.269 v2.03

Security improvements – <https://www.ibm.com/support/pages/node/6985503>

vtd_exec.279 v1.13

Security improvements - <https://www.ibm.com/support/pages/node/6984425>

vtd_exec release 05/02/23

vtd_exec.182 v1.27

Service improvements to support TS7700 cluster join/merge operation.

vtd_exec.900 v1.14 (R5.1)

vtd_exec.901 v1.11 (R5.2 Phase 1)

vtd_exec.903 v1.04 (R5.3)

Security improvements - <https://www.ibm.com/support/pages/node/6980845>

Note: Contrary to prior guidance, improvements provided through vtd_exec.900, vtd_exec.901 and vtd_exec.903 cannot be installed by a client operator through the TS7700 Web User Interface (Management Interface, MI) at this time. Please engage with the RCL team as required: <https://tape.ibmocl.enterpriseappointments.com/v2/>

vtd_exec release 03/01/23

vtd_exec.103 v1.93

This exec provides system checkout updates to enhance serviceability of the TS7700

vtd_exec.347 v2.00

TS7770 backend disk cache HDD/SSD firmware update for CSB/XSB

Added support for additional CSC/XSC SSD FRU

vtd_exec release 01/30/23

vtd_exec.269 v2.02

Security improvements – <https://www.ibm.com/support/pages/node/6858055>

vtd_exec.389 v1.06

Code signing to be able to upgrade to R5.3

Note: this exec must be installed on system with R5.1 or R5.2 before upgrading to 5.3 GA or above

vtd_exec release 01/10/23

vtd_exec.396 v1.00

Moderate: Fix for improper date stamp in backend disk cache battery VPD of TS7770 with 3956-CSB

Note: This may result in the TS7770 backend disk cache reporting a premature battery end of life warning.

This applies to a small subset of batteries manufactured in 2020.

Pervasive: No

Reference: 94216

vtd_exec release 12/07/22

vtd_exec.269 v2.01

Security improvements – <https://www.ibm.com/support/pages/node/6844439>

vtd_exec.279 v1.12

Security improvements - <https://www.ibm.com/support/pages/node/6844445>

vtd_exec.900 v1.10 (R5.1)

vtd_exec.901 v1.08 (R5.2 Phase 1)

vtd_exec.902 v1.03 (R5.2 Phase 2)

vtd_exec.903 v1.02 (R5.3)

Security improvements - <https://www.ibm.com/support/pages/node/6844441>

Note: Improvements provided through vtd_exec.900, vtd_exec.901, vtd_exec.902 and vtd_exec.903 can be installed by a client operator through the TS7700 Web User Interface (Management Interface, MI) once the necessary updates were acquired through call home functionality:

<https://www.ibm.com/docs/en/ts7700-virtual-tape/5.3?topic=service-update-system>

vtd_exec release 10/31/22

vtd_exec.103 v1.92

This exec provides system checkout updates to enhance serviceability of the TS7700

vtd_exec.331 v1.06

Various fixes related to hardware MES and Remove/Replace procedures

vtd_exec release 10/19/22

vtd_exec.391 v1.00

Improved hardware location reporting of server internal DDM/SSD

vtd_exec.395 v1.00

Fixed issue where TS1160 tape drive encryption using JE and JM media type was not working properly

vtd_exec release 09/30/22

vtd_exec.394 v1.00

Mandatory exec to for CSB/CFC STRING MES CSB/CFC with code 5.3 and external encryption enable

vtd_exec.103 v1.91

This exec provides system checkout updates to enhance serviceability of the TS7700.

vtd_exec.269 v2.00

Security improvements – <https://www.ibm.com/support/pages/node/6824193>

vtd_exec release 09/15/22

vtd_exec.389 v1.04

Code signing to be able to upgrade to 5.3

Note: this exec must be installed on system with R5.1 or R.52 before upgrading to 5.3 GA

vtd_exec release 08/29/22

vtd_exec.205 v1.07

Hydradumps updates

Reference: 91698, 90506, 92316, 92864

vtd_exec.279 v1.11

Security improvements - <https://www.ibm.com/support/pages/node/6616067>

vtd_exec.387 v1.00

Fileset Case Fix

Reference: 93545

Note: This exec is a tool that can be used as needed. It addresses the known dependency where DS8k cloud names <https://www.ibm.com/support/pages/node/6597671>

vtd_exec.900 v1.08

Web Code Updater for TS7700 code level R5.1

- Provides additional security improvements.

Reference: 91402, 93407

vtd_exec release 07/28/22

vtd_exec.372 v1.04

Install improvements only, same functionality as v1.01 (VEC) and v1.02 (VED) and v1.03 (both)

Note: Install of v1.04 over v1.01 or v1.02 or v1.03 is unnecessary as the provided functionality is identical.

Note: With TS7770 (3957-VED) this vtd_exec will be installed prior to a TS7770 code update to detect the potential issue and apply the required correction if needed, typically 2-3 days ahead of time.

vtd_exec release 07/11/22

vtd_exec.384 v1.02

Various improvements TS7700 MI (management interface) and underlying web server

vtd_exec.900 v1.07

Web Code Updater for TS7700 code level R5.1

- Various improvements TS7700 MI (management interface) and underlying web server

vtd_exec.901 v1.05

Web Code Updater for TS7700 code level R5.2 Phase 1

- Various improvements TS7700 MI (management interface) and underlying web server

vtd_exec.902 v1.01

Web Code Updater for TS7700 code level R5.2 Phase 2

- Various improvements TS7700 MI (management interface) and underlying web server

Note: Improvements provided through vtd_exec.900, vtd_exec.901 and vtd_exec.902 can be installed by a client operator through the TS7700 Web User Interface (Management Interface, MI) once the necessary updates were acquired through call home functionality:

<https://www.ibm.com/docs/en/ts7700-virtual-tape/5.2.2?topic=service-update-system>

vtd_exec release 06/27/2022

vtd_exec.269 v1.22

- Security improvements – <https://www.ibm.com/support/pages/node/6591077>

vtd_exec release 04/25/2022

vtd_exec.365 v1.05

- Improves remove/replacement procedure for server internal disk
- Updated Firmware for server internal SSD

vtd_exec.372 v1.03

- Install improvements only, same functionality as v1.01 (VEC) and v1.02 (VED)
Note: Install of v1.03 over v1.01 or v1.02 is unnecessary as the provided functionality is identical
Note: With TS7770 (3957-VED) this vtd_exec will be installed prior to a TS7770 code update to detect the potential issue and apply the required correction if needed, typically 2-3 days ahead of time.

vtd_exec release 03/07/2022

vtd_exec.384 v1.01

Security improvements - <https://www.ibm.com/support/pages/node/6524972>

vtd_exec release 02/28/2022

vtd_exec.269 v1.21

Security improvements – <https://www.ibm.com/support/pages/node/6552866>

vtd_exec.372 v1.02

Serious: Addresses rare issue when extending a filesystem logical volume within a TS7770 Volume Group

Note: This vtd_exec will be installed prior to a TS7770 code update to detect the potential issue and apply the required correction if needed, typically 2-3 days ahead of time.

Pervasive: No

Reference: 92836

vtd_exec release 01/31/2022

vtd_exec.347 v1.06

TS7770 backend disk cache and HDD/SSD firmware update for CSB/XSB and CFC/XFC

- Added support for additional CSB/XSB HDD FRU

vtd_exec.900 v1.06

Web Code Updater for TS7700 code level R5.1

- Install improvements only, same functionality as v1.05

Note: Improvements provided through vtd_exec.900 can be installed by a client operator through the TS7700 Web User Interface (Management Interface, MI) once the necessary updates were acquired through call home functionality:

<https://www.ibm.com/docs/en/ts7700-virtual-tape/5.2.2?topic=service-update-system>

vtd_exec.901 v1.04

Web Code Updater for TS7700 code level R5.2

- Install improvements only, same functionality as v1.03

Note: Improvements provided through vtd_exec.901 can be installed by a client operator through the TS7700 Web User Interface (Management Interface, MI) once the necessary updates were acquired through call home functionality:

<https://www.ibm.com/docs/en/ts7700-virtual-tape/5.2.2?topic=service-update-system>