

CA TLMS® Tape Management

TLMS_Release_Notes_ENU

Release 12.6 Second Edition



This Documentation, which includes embedded help systems and electronically distributed materials, (hereinafter referred to as the "Documentation") is for your informational purposes only and is subject to change or withdrawal by CA at any time.

This Documentation may not be copied, transferred, reproduced, disclosed, modified or duplicated, in whole or in part, without the prior written consent of CA. This Documentation is confidential and proprietary information of CA and may not be disclosed by you or used for any purpose other than as may be permitted in (i) a separate agreement between you and CA governing your use of the CA software to which the Documentation relates; or (ii) a separate confidentiality agreement between you and CA.

Notwithstanding the foregoing, if you are a licensed user of the software product(s) addressed in the Documentation, you may print or otherwise make available a reasonable number of copies of the Documentation for internal use by you and your employees in connection with that software, provided that all CA copyright notices and legends are affixed to each reproduced copy.

The right to print or otherwise make available copies of the Documentation is limited to the period during which the applicable license for such software remains in full force and effect. Should the license terminate for any reason, it is your responsibility to certify in writing to CA that all copies and partial copies of the Documentation have been returned to CA or destroyed.

TO THE EXTENT PERMITTED BY APPLICABLE LAW, CA PROVIDES THIS DOCUMENTATION "AS IS" WITHOUT WARRANTY OF ANY KIND, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR NONINFRINGEMENT. IN NO EVENT WILL CA BE LIABLE TO YOU OR ANY THIRD PARTY FOR ANY LOSS OR DAMAGE, DIRECT OR INDIRECT, FROM THE USE OF THIS DOCUMENTATION, INCLUDING WITHOUT LIMITATION, LOST PROFITS, LOST INVESTMENT, BUSINESS INTERRUPTION, GOODWILL, OR LOST DATA, EVEN IF CA IS EXPRESSLY ADVISED IN ADVANCE OF THE POSSIBILITY OF SUCH LOSS OR DAMAGE.

The use of any software product referenced in the Documentation is governed by the applicable license agreement and such license agreement is not modified in any way by the terms of this notice.

The manufacturer of this Documentation is CA.

Provided with "Restricted Rights." Use, duplication or disclosure by the United States Government is subject to the restrictions set forth in FAR Sections 12.212, 52.227-14, and 52.227-19(c)(1) - (2) and DFARS Section 252.227-7014(b)(3), as applicable, or their successors.

Copyright © 2014 CA. All rights reserved. All trademarks, trade names, service marks, and logos referenced herein belong to their respective companies.

Contact CA Technologies

Contact CA Support

For your convenience, CA Technologies provides one site where you can access the information that you need for your Home Office, Small Business, and Enterprise CA Technologies products. At <http://ca.com/support>, you can access the following resources:

- Online and telephone contact information for technical assistance and customer services
- Information about user communities and forums
- Product and documentation downloads
- CA Support policies and guidelines
- Other helpful resources appropriate for your product

Providing Feedback About Product Documentation

If you have comments or questions about CA Technologies product documentation, you can send a message to techpubs@ca.com.

To provide feedback about CA Technologies product documentation, complete our short customer survey which is available on the CA Support website at <http://ca.com/docs>.

Contents

Chapter 1: New Features	7
Missing Operating System Intercepts (OSI) Detection	7
Free Scratch Tape Chains After a Specified Number of Days	8
User Specified USEREXIT Names	8
CA OPS/MVS® System State Manager.....	8
Chapter 2: New Features for Second Edition	9
Dynamic VMF Extend	9
CTSEPM Subroutine.....	9
Chapter 3: Enhancements to Existing Features	11
TLTPOPTS Replaced	11
Company Name USERMOD Removed	11
Increased Number of CPUs Tracked by CA TLMS	12
Name Changes	12
Appendix A: Messages	13

Chapter 1: New Features

This section contains the following topics:

[Missing Operating System Intercepts \(OSI\) Detection](#) (see page 7)

[Free Scratch Tape Chains After a Specified Number of Days](#) (see page 8)

[User Specified USEREXIT Names](#) (see page 8)

[CA OPS/MVS® System State Manager](#) (see page 8)

Missing Operating System Intercepts (OSI) Detection

This feature runs a quick verification of all CA TLMS intercepts each time a tape is mounted for output. The verification immediately alerts your data center if CA TLMS intercepts are missing.

CA TLMS intercepts are page fixed to prevent their loss due to page refresh. Intercepts are sometimes lost due to page-free errors from other products and vendors. A delay in realizing that there is a problem makes it difficult to determine the cause of the missing intercepts. While the intercepts are missing, CA TLMS is not correctly processing tape access or recording all the information.

Note: For more information, see the *Configuration Guide*.

Free Scratch Tape Chains After a Specified Number of Days

CA TLMS maintains information about datasets on a scratch volume until a volume on that chain is reused. This can mean that a large number of VMF records are used by tapes which are in the scratch pool. These tapes cannot be reused until the chains are freed.

Some virtual tape systems erase the data on the virtual volumes immediately upon scratch and others erase the data after a few days. This means that CA TLMS is needlessly holding VMF records.

This enhancement provides an option in the Tape Retention System (TRS) to set the number of days to retain the chains for scratch tapes. When a scratch tape exceeds the number of days specified in the option, TRS sends a transaction to CA TLMS to free the chain of scratch tapes. This reduces the size of the VMF by freeing unneeded records.

Note: For more information, see the *User Guide*.

User Specified USEREXIT Names

This feature lets you specify the name of each CA TLMS USEREXIT with the same TLMSIPO options used to enable and disable USEREXITS. This feature lets you name the exits according to your site standards or use different names for each LPAR.

Note: For more information, see the *Configuration Guide*.

CA OPS/MVS® System State Manager

Your product can automatically communicate active status events and heart beat events to CA OPS/MVS® EMA. The communication is established through a generic active status or heartbeat event API call that CA OPS/MVS EMA provides. With this feature, other products can communicate events consistently to CA OPS/MVS EMA.

Note: For more information, see the *Configuration Guide*.

Chapter 2: New Features for Second Edition

This section contains the following topics:

[Dynamic VMF Extend](#) (see page 9)

[CTSEPM Subroutine](#) (see page 9)

Dynamic VMF Extend

This enhancement provides you with the ability to perform the following functions, without having to stop TLMS or stop tape processing.

- Increase or decrease the size of the VMF
- Add or remove volume ranges in the VMF
- Move the VMF
- Add or remove AUX Records
- Add or remove AUX Messages

For more information, see the *Configuration Guide*.

CTSEPM Subroutine

CTSEPM subroutine provides advanced pattern masking support in CA Earl reports.

The CA Earl report, CTETEVLT, calls the CTSEPM pattern masking routine and reports on tape data sets going offsite that have not been encrypted.

For more information, see the User Guide.

Chapter 3: Enhancements to Existing Features

This section contains the following topics:

[TLTPOPTS Replaced](#) (see page 11)

[Company Name USERMOD Removed](#) (see page 11)

[Increased Number of CPUs Tracked by CA TLMS](#) (see page 12)

[Name Changes](#) (see page 12)

TLTPOPTS Replaced

This feature replaces the TLTPOPTS USERMOD with the following:

Entries in the TLMSIPO Options Member

Specifying USER= parameters in the CAI.CTAPOPTN (TLMSIPO) member to replace TLTPOPTS. This is a direct replacement for entries in the TLTPOPTS table. These entries control access to the TLTP online system or bypass dataset-name checks when a security system is active.

Resources in the Security System

The following new resources can be defined to your security system:

TLVMFR

When a user has read access to TLVMFR, CA TLMS bypasses data set name checks to the security system for read or inquiry of the VMF record.

TLVMFU

When a user has read access to TLVMFU, CA TLMS bypasses the data set name checks to the security system for read or update of the VMF record. This function applies to TLTPISPF, TLPTSO, and TLMSINQR. This bypass authority is usually given to people like a tape librarian so that they do not need security access for every data set.

Note: For more information, see the *Configuration Guide*.

Company Name USERMOD Removed

The previous release had a USERMOD to specify the Company Name which appeared on reports. This USERMOD has been removed and CA TLMS retrieves the Company Name specified in CAI.CTAPOPTN(TLMSIPO).

Increased Number of CPUs Tracked by CA TLMS

Although any number of CPUs may access the VMF, CA TLMS tracks a limited number of CPUs. It Records their start-time, stop-time, and whether they are currently accessing the VMF. The number of CPUs which CA TLMS can track, has increased from 8 to 16. The four character CPU IDs can be specified or deleted using the CATVMFU utility. The CPU IDs can be captured as they access the VMF.

Note: For more information, see the *Configuration Guide*.

Name Changes

The name of the CA TLMS initialization module run by CA Common Services (CCS/CAS9) has changed to TLMSRIM. This module was named TL55INIT and TLC0INIT in the two prior releases. The module now has an alias name which changes for each release. The alias for this release is TLC6INIT.

Appendix A: Messages

This section lists the new messages in Release 12.6 Second Edition.

Note: For information about each message, see the *Messages Reference Guide*.

CAG8259E PREVIOUS/NEXT ERROR FOR INTERCEPT xxxx.

CAG8263I OSI(yyyy) IS PROBABLY MISSING OR INVALID!

CAG8227I OSI EXEC(pppppppp) DYNAMICALLY ADDED FOR yyyy

CATL060E CANNOT INTERCEPT THIS SMS VERSION.

CATP001E INVALID PASSWORD OR USERID SPECIFIED

CATP008E ACCESS ALLOWED IS INQUIRY ONLY - REQUEST DENIED

CAT9002I CA TLMS vvvvv ---- A CA, INC. PROPRIETARY PRODUCT

CAT2302E INTERNAL ERROR - INSTALLATION OPTIONS WERE NOT LOADED

CAT4555I FREE-SCRATCH-CHAIN LIMIT REACHED. STOPPED FOR RUN

CAT4553I NOT PROCESSING THE ACTIVE VMF

**CAT6203W VSN=volser VOLSEQ=999 VOLCNT=999 VOLUME COUNT LESS THAN
VOLUME SEQUENCE**

CAT6401E RELEASE 5.3 AND 5.4 VMFS ARE NOT SUPPORTED

CAT6402W ORPHANED MVL. CURR VSN(vvvvvv) CHAIN-ID(iiiiiiii)

CAT6403W ORPHANED MDS. CURR VSN(vvvvvv) CHAIN-ID(iiiiiiii)

CAT6404E VOLSEQ IS NOT PACKED, ZERO USED FOR PROCESSING

CAT6405E VOLSEQ IS NOT PACKED, ZERO USED FOR PROCESSING

CAT6407W VOLSER NOT LOCATED IN CURRENT MULTI-VOLUME CHAIN

CAT6408E CHNVOL DOES NOT MATCH CURRENT CHNVOL(vvvvvv)

CAT6409E CHAIN-ID DOES NOT MATCH CURRENT CHAIN-ID(iiiiiiii)

CAT6412E INVALID RETURN CODE FROM SORT - RC=XX

CAT6414E ORPHANED VSN. VOLUME CONTAINS ffff FILES

CAT6416E VOLUME FSQ IS BAD IT SHOULD BE hhhh

CAT6417E MDS FSQ IS ffff SHOULD BE hhhh

CAT6418E VOLSER MISSING FROM MULTI-VOLUME CHAIN

CAT6420W UNCHAINED VOLUME HAS FIELD(S) SHOWING CHAINING

CAT6421E CHAINED VOLUME WITH FIELD(S) SHOWING NOT CHAINED

CAT6430W VOLCNT(NNN) IS LESS THAN VOLSEQ(NNN)

CAT6431W CHAIN BASE MUST BE VOLUME SEQUENCE 1

CAT6432E THE FIRST MVL POINTER IS ZERO BUT THE LAST IS NOT

CAT6433E THE LAST MVL POINTER IS ZERO BUT THE FIRST IS NOT

CAT6434E THE FIRST MDS POINTER IS ZERO BUT THE LAST IS NOT

CAT6435E THE LAST MDS POINTER IS ZERO BUT THE FIRST IS NOT

CAT6436W CHAIN BASE MUST BE FILE SEQUENCE 1

CAT6437W VSN OF CHAIN BASE MUST EQUAL CHNVOL

CAT6438W CHAIN BASE MUST HAVE NON-ZERO CHAIN-ID

CAT6439W CHAIN BASE HAS NO DATA SETS OR VOLUMES CHAINED

CAT6440W VOLCNT(nnn) NOT EQUAL VOLUMES CHAINED(nnn)

CAT6441E 1ST MDS PTR IN BASE DOES NOT POINT TO THIS MDS

CAT6442E THIS MDS DOES NOT POINT TO PREV MDS

CAT6443E PREV MDS DOES NOT POINT TO THIS MDS

CAT6444E PREVIOUS RECORD IS NOT AN MDS RECORD

CAT6445E LAST MDS PTR IN BASE DOES NOT POINT TO THIS MDS

CAT6446E THIS MDS DOES NOT POINT TO NEXT MDS

CAT6447E NEXT MDS DOES NOT POINT TO THIS MDS

CAT6448E NEXT RECORD IS NOT AN MDS RECORD

CAT6449W VOLSEQ(NNN) LARGER THAN VOLUMES CHAINED(NNN)

CAT6451E 1ST MVL PTR IN BASE DOES NOT POINT TO THIS MVL

CAT6452E THIS MVL DOES NOT POINT TO PREV MVL

CAT6453E PREV MVL DOES NOT POINT TO THIS MVL

CAT6454E PREVIOUS RECORD IS NOT AN MVL RECORD

CAT6455E LAST MVL PTR IN BASE DOES NOT POINT TO THIS MVL

CAT6456E THIS MVL DOES NOT POINT TO NEXT MVL

CAT6457E NEXT MVL DOES NOT POINT TO THIS MVL

CAT6458E NEXT RECORD IS NOT AN MVL RECORD

CAT6459W VOLSEQ OF CHAINED VOLUME NOT GREATER THEN 1

CAT6499I PROGRAM IS TERMINATING

CAT9998E CA TLMS INTERCEPT TABLE NOT FOUND. TAPE INTERCEPTS ARE NOT ACTIVE!! TAPES ARE NOT BEING PROTECTED AND TAPE ACTIVITY WILL NOT BE RECORDED.

CAT9999E CA TLMS HAS DETECTED THAT ONE OR MORE TAPE INTERCEPTS ARE NOT ACTIVE!! TAPES MAY NOT BE PROTECTED AND TAPE ACTIVITY MAY NOT BE RECORDED.