CA Tape Encryption

Release Notes

Release 14.5.00

Third Edition

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CA Technologies Product References

This document references the following CA Technologies products:

- CA Encryption Key Manager
- CA Mainframe Software Manager (CA MSM)
- CA Tape Encryption

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Contact CA Support

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

- 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
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Chapter 1: New Features

This section contains the following topics:

Free Database Address Space (see page 7)
Option for Application Managment (see page 7)
TBELOGRX Logger Extract Utility (see page 8)
TBESMFUT SMF Record Format Utility (see page 8)
Option for Networked Key Management (see page 9)

Free Database Address Space

Each subsystem that shares the database allocates a 1MB area of database storage to maintain cryptographic statistics. These 1MB areas are not automatically freed. Any subsystems which shared the database in the past continue to take up database space.

The following new console commands have been provided to help free the address space:

DISPLAY DATABASE,SUBSYS

Use this command to display information about the following:

- Subsystems sharing the database.
- Subsystems that have shared the database.
- Remote subsystems with keys mirrored via the CA Encryption Key Manager Networked Key Management Option.

RESET DATABASE,SUBSYS

Use this command to reset a specific or selected 1MB subsystem areas and return the areas to the available pool of database space.

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

Option for Application Managment

This feature enables symmetric key management for user applications that have been updated to interface to CA Encryption Key Manager.

Note: For more information, see the *Option for Application Management User Guide.*

TBELOGRX Logger Extract Utility

This utility was introduced with Release 14.5.00. An IBM System Logger Log Stream typically holds two to four days of log data before the data is eligible for deletion. Saving this data allows you to report on encryption and decryption activity and troubleshoot problems.

You can use the TBELOGRX utility to do the following:

- Read the Log Stream unload file.
- Select blocks of records for a specific time frame.
- Write the selected records to a separate, smaller output file.
- Produce a report on what data is in an unload file without creating an extract file.

Note: For more information, see the *Option for Application Management User Guide.*

TBESMFUT SMF Record Format Utility

The TBESMFUT utility was introduced with Release 14.5.00. The utility formats both CA Tape Encryption and CA Encryption Key Manager SMF events from an SMF dump data set.

Control statements allow you to generate detail, summary, and statistics reports on the StatsSMFRecordTypes associated with the following:

- CA Tape Encryption and CA Encryption Key Manager products
- User-specified CA Tape Encryption and CA Encryption Key Manager events
- BES address spaces
- Date ranges

Note: For more information, see the *Option for Application Management User Guide.*

Option for Networked Key Management

This feature was introduced with r14. It allows multiple CA Encryption Key Manager instances to communicate securely over a TCP/IP network. Every key generated by CA Encryption Key Manager is available at every site configured in the Networked Key Manager cluster. Key databases are automatically mirrored into other key database instances. If a key database is taken off line, none of the keys are lost.

You can define business to business relationships over TCP/IP. This enables you to:

- Ship encrypted tapes to a partner without special procedures.
- Create new copies of tapes *not* specifically encrypted for each partner.

Note: For more information, see the *Option for Networked Key Management User Guide*.

Chapter 2: Enhancements to Existing Features

This section contains the following topics:

CA Mainframe Software Manager (see page 11)
Manual Key Generation (see page 11)
Documentation (see page 11)
Changes to Data Set Names (see page 13)

CA Mainframe Software Manager

The following functionality has been added for CA MSM Version 04.0.00:

- Software Deployment Service (SDS)—Use this service to deploy CA Technologies mainframe products to your target enterprise systems.
- Database Migration Tool—Use this tool to migrate your current CA MSM database after you upgrade CA MSM.
- Automatic Download Scheduling—Use this tool to automatically obtain updates for products and product releases on a regular basis.

Note: For more information, see your product's installation instructions and the *CA Mainframe Software Manager Product Guide.*

Manual Key Generation

This feature was introduced in r14. You can use the Regenerate=Manual parameter and the associated REGENERATE command to control the exact time when new keys are placed into service.

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

Documentation

This section contains topics related to documentation enhancements.

Installation Guide

The *Installation Guide* has been restructured and describes the following methods of installing CA Tape Encryption:

- CA MSM

CA HTML Bookshelf

This release contains the CA HTML bookshelf, which is an HTML help system that provides access to all deliverables in the product documentation set in both HTML and PDF. HTML provides robust online viewing and search capabilities, while PDF provides a print-friendly option.

The HTML bookshelf features include:

- A single help screen that displays all documentation for this release.
- An all-in-one search tool that searches the entire documentation set and returns matches found in both the HTML and PDF formatted documentation, without the need for a specialized .PDX index file.
- Additional links for using the bookshelf, downloading Acrobat Reader, and contacting CA Technologies.

Note: You must have Adobe Reader 8 or above to view the PDF files in the bookshelf.

Search the Bookshelf

The bookshelf includes a search facility that helps you locate information throughout the set.

To search the bookshelf

1. Enter your search criteria in the Search field in the upper right corner of the bookshelf and press Enter.

   The search returns HTML results listed by topic and PDF results listed by guide. The results are sorted by date so that the most recently updated topics or PDFs appear at the top of the list. To find a topic in a PDF, open the PDF and view the list of topics within the PDF that match the search criteria.

2. (Optional) Click Sort by Relevance.

   The list is reordered so that the HTML topics or PDFs that contain the most matches appear at the top of the list.

Changes to Data Set Names

These changes were introduced with Release 14.5.00. The following data set names have changed:

- CAIEXEC to CTAPEXEC
- CAILIB to CTAPLINK
- CAILPA to CTAPLINK
- CAIMDU to CTAPMDU
- CAIPLD to CTAPPLD
- CAIPROC to CTAPPROC
- CAISAMP to CTAPJCL and CTAPSAMP

  CTAPJCL contains the following members:

  - BESBOOK
  - BESCKMUT
  - BESCLS
  - BESCMPCA
  - BESDBBAK
  - BESDBRST
  - BESDCLST
  - BESDTAIL
  - BESEREP
  - BESICSF
  - BESIPCS
  - BESIVP
  - BESJIPCS
  - BESJIPC2
  - BESLOGR
  - BESLOGRX
  - BESPALC
  - BESPCOPY
  - BESPRTTP
  - BESSHOW
  - BESSMFU

- BTE09PRC
- BTE10DDB
- TBEACF00
- TBEACF01
- TBENKMRX
- TBEPARMS
- TBERAC00
- TBERAC01
- TBESAF99
- TBETSS00.

CTAPSAMP contains the following members:

- BESCKMDA
- BESCKMDR
- BESCKMDT
- BESCKMDU
- BESCKMDW
- BESCKMIN
- BESGTFPM
- TBEKMACF
- TBEKMRAC
- TBEKMTSS
- TBERAC02
- TBETSS01
- TBETSS02.

- CAISRC to CTAPECPB and CTAPEARL

  CTAPECPB contains the following members:

  - TBEEBSMF
  - TBEEVHIS

  CTAPEARL contains the following members:

  - TBERPT01
  - TBERPT02
  - TBERPT03
  - TBERPT10

- PARMLIB to CTAPPARM (except for SYS1.PARMLIB)