

CA Top Secret[®] for z/VM

Release Notes

r12



Fourth Edition

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Documentation Changes

The following documentation updates have been made since the last release of this documentation:

- z/VM 6.2 Support—Added topic.
- Moved topics in the System Requirements chapter to the *Installation Guide*.

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Chapter 1: New Features

This section contains the following topics:

- [Password Special Characters](#) (see page 7)
- [Password Phrases](#) (see page 7)
- [Lowercase Password Support](#) (see page 7)
- [Password Case Controls](#) (see page 8)
- [Resource Class Rename](#) (see page 8)
- [RDT Update by Command](#) (see page 8)
- [z/VM 6.2 Support](#) (see page 8)

Password Special Characters

The security administrator can specify:

- A list of special characters that may be used in a new password
- How many special characters must be used in a new password

For information, see the *Control Options Guide*.

Password Phrases

System security and usability is enhanced with the introduction of password phrases. A password phrase is a character string that can comprise mixed-case letters, numbers, and special characters including blanks and be 14 to 100 characters in length.

A single user ID can have:

- A password for applications that accept eight-character passwords only
- A password phrase for applications that take advantage of the password phrase infrastructure

For detailed password phrase information, see the *Control Options Guide* and the *Implementation Guide*.

Lowercase Password Support

Passwords can now be passed in all lower-case characters.

Password Case Controls

You can now force passwords to contain at least one upper or lower case letter. The NEWPW control option has the two new switches:

UC

Specifies that passwords must have at least one upper-case letter.

LC

Specifies that passwords must have at least one lower-case letter.

For information, see the *Control Options Guide*.

Resource Class Rename

All facilities and resources classes can be renamed to a user defined resource class.

RDT Update by Command

CA Top Secret Support can issue a PML for a new resource class with a check value. You can now create resource classes specified by support without having to get a new TSSRTAB. This ensures that you have the same Resclasses and Rescodes.

z/VM 6.2 Support

CA Top Secret for z/VM now supports z/VM 6.2.

Chapter 2: Enhancements to Existing Features

This chapter describes the modifications made to previously existing features of CA Top Secret for z/VM.

Modifications

The following is a list of modifications for r12:

- Increased ACID size
- Extended exit points
- Reduced LIST command I/O and locking
- XE23 movement
- Improved statistics reporting
- Improved statistics collection control
- Command audit
- Extract form profile
- LINUX fields
- Audit by access level

Increased ACID Size

The maximum size of an ACID has been increased to 1024K. The minimum size and default is 256K.

Extended Exit points

New and enhanced exit points allow you to:

- Change data being presented to the security call process
- Change the return codes to allow or dis-allow the call

Reduce List Command I/O and Locking

When listing a user ACID there can be a number of additional locks required to obtain all of the list data. You can now choose not to list additional data so that not so many locks are performed with the TSSCMDOPTION TERSE and VERBOSE settings.

For information, see the Control Options Guide.

XE23 Movement

The XE23 data contains the security administrator's authorities. During an CA Top Secret command a lock and I/O to the security file retrieves this information to process the command. To reduce the I/O and locks required, the XE23 is now built in storage in the user's address space when the user signs on.

Improved Statistics Reporting

Statistics are now gathered and written to SMF for the security components:

- Sysplex coupling facility
- Cache facility
- Command processor
- Command processor workload balance
- Command Propagation Facility (CPF)
- Input/Output
- SAF RACROUTE calls

The new TSSRPTSG report displays the saved statistics.

For information, see the *Report and Tracking Guide*.

Improved Statistics Collection Control

Statistics collection and storage has been enhanced with the following control options:

STATREC

In prior releases of CA Top Secret, activation of statistics gathering caused all statistical groups to be collected. Use the new STATREC option to specify the statistics gathered. The default is to collect all statistical groups.

STATSLOG

In prior releases of CA Top Secret, statistics gathering output records could only be written to SMF. Use the new STATSLOG option to specify the dataset statistics are written to. They can continue to be written to SMF or they can be written to a pre-allocated dataset. The default is SMF.

STATGINT

Specifies the time interval statistics are gathered at.

For information, see *Control Options Guide*.

Command Audit

Audit now has the ability to track all CA Top Secret commands, the command content, and who issued them.

Extract from Profile

When the data to be extracted with RACROUTE REQUEST=EXTRACT does not exist in a user ACID, the first profile belonging to the user ACID is searched. If the data exists in the first profile, you can extract it. This allows you to define role profiles. Groups of users can have the same extract information to perform job functions.

LINUX Fields

New fields contain the UID, GID, Home, and Program for each LINUX node defined to CA Top Secret. The UID and GID have the auto number assignment feature and unique number assigned to each user. Users can have a unique setup per node or a global definition for all LINUX nodes they log on to.

Audit by Access Level

Records can be added to the Audit record with the access levels to be scanned. This allows specific access levels, for example updates, to be audited.

PWVIEW Control Option Support

CA Top Secret for z/VM does not support this control option.