

# CA Librarian® r4.3



CA Librarian® for z/OS, for z/VSE and for z/VM (CA Librarian) is a highly sophisticated and flexible storage medium of source programs and other sets of data records that provides comprehensive change management. It also provides a collection of service facilities for simplifying application management.

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## Overview

CA Librarian provides library management services, featuring a comprehensive change management system. This Change Control Facility (CCF) is an interactive dialog-based application that provides CA Librarian users with a comprehensive change control methodology. It includes complete tracking and control for source program development in online environments.

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## Business value

CA Librarian provides powerful software library change control management capabilities, enabling mainframe sites to manage software modules on and across multiple mainframe platforms. Its strong reporting, performance monitoring, security, archiving and recovery features play key roles in the product's effectiveness in managing applications.

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## Features

### Mainframe 2.0

CA Librarian has adopted key Mainframe 2.0 features that are designed to simplify your use of CA Librarian and enable your staff to install, deploy and maintain it more effectively and quickly.

- **CA Mainframe Software Manager™:** CA Mainframe Software Manager (CA MSM) automates CA Librarian deployment and maintenance and removes SMP/E complexities.
  - The **Software Acquisition Service** enables you to easily move product installation packages and maintenance from CA Support Online directly to your mainframe environment and prepare them for installation.
  - The **Software Installation Service** standardizes CA Librarian installation, which includes a new, streamlined Electronic Software Delivery (ESD) method that allows CA Librarian to be installed using standard utilities. This service also provides standardized SMP/E product installation and maintenance via APARs and PTFs, and simplifies SMP/E processing through an intuitive graphical user interface and an intelligent installation wizard.
  - The **Software Deployment Service** enables you to easily deploy CA Librarian in your mainframe environment.
  - **CA MSM Consolidated Software Inventory (CSI)** updates and infrastructure improvements add flexibility to CA MSM processing of CSIs and enable CA MSM to more effectively utilize CPU and system memory.
- **Installation Verification Program (IVP) and Execution Verification Program (EVP):** As part of qualification for inclusion in the set of mainframe products from CA Technologies released every May, CA Librarian has passed stringent tests performed through the IVP and EVP to find and resolve interoperability problems prior to release. These programs are an extension of CA Technologies ongoing interoperability certification initiative launched in May 2009.
- **Best Practices guide:** This guide provides information on CA Librarian installation, initial configuration and deployment to shorten the learning curve for staff who are responsible for the installation and management of this product.

### What's new in CA Librarian r4.3

- **Display CCF chain IDs:** The LIB/CCF Module Tracking Record (MTR), Module Movement Record (MMR), Link/Bind and Job Submission Record (JSR) processing screens display for each entry the chain numbers that were specified during logout processing.
- **Modify job submit from Option 11:** CCF JSR processing screen lets you edit JCL members by selecting the entry to edit directly from this screen (CCF Option 11). This facility can be restricted only to control group members.
- **Display more than three members at a time:** During CCF login processing from Option 5 or Option 9, more than three members are displayed. The original information panel format can be displayed by entering I or INFO on the command line.
- **Option to browse or edit under ELIPS (mode):** An installation option (MODE) determines the default way CA Librarian members are accessed and whether they can be updated (EDIT mode) or just read (BROWSE mode).
- **View support:** The ELIPS VIEW function works just like an edit session except that no updates take place. You can use VIEW mode to make changes to a member; then create a new member that contains those changes. The member you accessed in VIEW mode is not updated when you end the session.
- **German ISPF support:** If German ISPF is used, ELIPS sets the EDIT translate character accordingly.
- **Master file create from online:** ELIPS facility allows you to create CA Librarian files online.
- **Conversion from BDAM/VSAM to wide record format:** The ELIPS copy utility copies BDAM or VSAM CA Librarian master file members to wide record master files, maintaining all archive levels and added or last-updated dates and times across the copy.
- **COBOL Copy variable start position:** COBOL Copy statements can start in any position; they no longer have to start in position 12.
- **Eliminate EXEC PARM= on exits:** The names of exits no longer have to be specified on PARM= when AFOLIBR is executed if you specify RUNMASTX=YES on USERMOD MLJ4305. Therefore, you can eliminate PARM= for exits. If you use the default value RUNMASTX=NO, the names of exits defined in the master file must be specified on PARM= when AFOLIBR is executed.
- **Read-only index option:** An index report can be run as read-only to eliminate enqueues. Programmer, Master file, Management and Statistical Summary Indexes can be requested for master files by users who have read-only access to master files. These new index options are Utility Functions. The original Index Reports remain unchanged. Please note that this functionality is not valid for wide record master files.

- **FAIRSCAN UCR to COBOLII/LE:** The FAIRSCAN UCR COBOL has been converted to COBOL II/LE.
- **LIB/AM subsystem support:** CA Librarian r4.3 incorporates the enhancement fixes for CA Endeavor® Software Change Manager (CA Endeavor SCM) to run SUBSYS=LAM on data set DDs under CA Endeavor SCM processors. CA Librarian r4.3 also supports VisualAge PL/I for z/OS and OS/390 and C/C++ for z/OS and OS/390 with the LIB/AM subsystem.
- **Single base and options installation:** A single image now contains the CA Librarian base product and options. Execution of the options is managed by licensing. CA Activator is no longer used to install CA Librarian.

### Other key features

- Implementation capabilities are now available under TSO/ISPF, CA Roscoe® Interactive Environment and CMS/ISPF (z/OS, OS/390 and z/VM), as well as with CA Vollie™ for z/VSE.
- Master files may be shared across z/OS, OS/390, z/VM, and z/VSE operating systems.
- CA Librarian master files, which hold members administered by CA Librarian, dynamically reorganize themselves when updates are made.
- The CA Librarian Change Control Facility (LIB/CCF) interactively facilitates lifecycle development.
- CA Librarian Access Method (LIB/AM) subsystem allows for direct referencing of CA Librarian master files by non-CA Librarian programs.
- ELIPS allows for master file editing under z/OS and OS/390 with ISPF capabilities.
- Archiving facility retains past versions of master file members.
- The Source to Load Audit Trail (SLAT) facility provides for expansion of variable identifiers which provide “eyecatcher” information to easily determine correspondence between source, object and load modules.
- LIB/CCF history and control records track the history of LIB/CCF activity for modules residing in master files.
- Several reporting facilities exist:
  - LIB/CCF report functionality
  - CA Librarian master index reporting
  - Interface with CA Earl™ for report customization
- CA Librarian interfaces with CA ACF2™, CA Top Secret® and IBM’s RACF security packages for master file security. Alternatively, the CA Librarian internal security mechanism (MCD security) offers internal protection of master files.

- File Access Interface Routine (FAIR) routines are accessible from user-written Assembler, COBOL, Fortran or PL/I routines to provide read-only access to CA Librarian master files.
  - Members may be processed individually or in groups (GPO).
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## Delivery approach

CA Services provides a portfolio of mainframe services delivered through CA Technologies internal staff and a network of established partners chosen to help you achieve a successful deployment and get the desired business results as quickly as possible. Our standard service offerings are designed to speed deployment and accelerate the learning curve for your staff. CA Technologies field-proven mainframe best practices and training help you lower risk, improve use/adoption and ultimately align the product configuration to your business requirements.

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## Benefits

CA Librarian provides management with an effective means of keeping track of applications. The CA Librarian audit, archiving and reporting facilities allow for effective historical tracking of application components. The CA Librarian Change Control Facility (CCF) provides an interactive means for managing change control for source and other data records. These features boost efficiency by organizing and automating applications management.

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## The CA Technologies advantage

CA Technologies has 30 years of recognized expertise in robust, reliable, scalable, and secure enterprise-class IT management software. CA Librarian is a key component of the Mainframe 2.0 initiative from CA Technologies to change the way the mainframe is managed forever by helping you maximize the value our mainframe products and by providing a simplified experience and innovative solutions that deliver value quickly and flexibly.