

Product Brief

Librarian

Key Features

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.

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

- **Chorus Software Manager** automates Librarian deployment and maintenance and removes SMP/E complexities.
 - The **Software Acquisition Service** enables you to easily move product installation packages and maintenance from Broadcom[®] online support directly to your mainframe environment and prepare them for installation.
 - The **Software Installation Service** standardizes Librarian installation, which includes a new, streamlined electronic software delivery method that allows Librarian to be installed using standard utilities. This service also provides standardized SMP/E product installation and maintenance through APARs and PTFs, and simplifies SMP/E processing through an intuitive graphical user interface and an intelligent installation wizard.

At a Glance

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

Solution Overview

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.

Benefits

Librarian provides management with an effective means of keeping track of applications. The Librarian audit, archiving and reporting facilities allow for effective historical tracking of application components. The Librarian 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.

New in Librarian Release 4.4

- **Display CCF chain IDs:** The LIB/CCF Module Tracking Record, Module Movement Record, Link/Bind and Job Submission Record processing screens display for each entry the chain numbers that were specified during logout processing.
- **Modify job submit from Option 11:** CCF Job Submission Record 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 Librarian members are accessed and whether they can be updated (EDIT mode) or just read (BROWSE mode).

Key Features (cont.)

- The **Software Deployment Service** enables you to easily deploy Librarian in your mainframe environment.
- The **Consolidated Software Inventory (CSI)** updates and infrastructure improvements add flexibility to Chorus Software Manager processing of CSIs and enable Chorus Software Manager to more effectively utilize CPU and system memory.
- A **Best Practices guide** provides information on Librarian installation, initial configuration and deployment to shorten the learning curve for staff who are responsible for the installation and management of this product.

New in Librarian Release 4.4 (cont.)

- **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 Librarian files online.
- **Conversion from BDAM/VSAM to wide record format:** The ELIPS copy utility copies BDAM or VSAM 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.
- **Librarian Access Method (LIB/AM) subsystem support:** Librarian incorporates the enhancement fixes for Endeavor® Software Change Manager (Endeavor SCM) to run SUBSYS=LAM on data set DDs under Endeavor SCM processors. Librarian 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 Librarian base product and options. Execution of the options is managed by licensing. Activator is no longer used to install Librarian.

Other Key Features

- Implementation capabilities are now available under TSO/ISPF, Roscoe® Interactive Environment and CMS/ISPF (z/OS, OS/390 and z/VM), as well as with Vollie® for z/VSE.
- Master files may be shared across z/OS, OS/390, z/VM, and z/VSE operating systems.
- Librarian master files, which hold members administered by Librarian, dynamically reorganize themselves when updates are made.
- The Librarian Change Control Facility (LIB/CCF) interactively facilitates lifecycle development.
- LIB/AM subsystem allows for direct referencing of Librarian master files by non-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 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
 - Librarian master index reporting
 - Interface with Earl for report customization
- Librarian interfaces with ACF2®, Top Secret® and IBM's RACF security packages for master file security. Alternatively, the Librarian internal security mechanism (MCD security) offers internal protection of master files.
- File Access Interface Routines are accessible from user-written Assembler, COBOL, Fortran, or PL/I routines to provide read-only access to Librarian master files.
- Members may be processed individually or in groups (GPO).