



Collections Server
and
Library Management
(Formerly BASIS and Techlib)

**What's New for
Version 10.1?**

February 2006

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What's New for Version 10.1?

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Introduction

The Livelink ECM – Collections Server 10.1 provides the core database service for Sun Solaris, IBM AIX, HP HP-UX, Microsoft Windows, OpenVMS, and Linux. In order to install Version 10.1, you must have new authorization keys. If you do not have keys for your software you can obtain them by contacting Open Text Technical Support at support@opentext.com or contacting your local support organization.

Platform Support

The Collections Server 10.1 release is available on the following platforms:

- Windows 2000 Server – with Service Pack 4
- Windows 2003 Server -- with Service Pack 1
- IBM AIX 5.2 -5.3 **
- HP-UX 11i v1 and 11i v2**
- OpenVMS 7.3-2 and 8.2**
- Sun Solaris 9 and 10**
- Red Hat Linux ESv4.0**
- SuSE Linux ES 9**

**New OS levels/Platforms since V10

With regard to Web servers:

- Sun Java System Web Server 6.1 with Service Pack 5 is used to certify all related functionality on the supported UNIX, Linux, and Windows platforms.
- Microsoft IIS 5.0 is the base platform for testing on Windows 2000 Servers
- Microsoft IIS 6.0 is the base platform for testing on Windows 2003 Servers

Maintenance Upgrades

Collections Server 10.1 includes all maintenance upgrades due to User Reported Problem (URP) reports and internal testing as applied to the baseline Version 10. See Appendix A: Collections Server 10.1 Revisions for a list of all the revisions that have been applied to the Server and Appendix B: Livelink for Libraries 10.1 Revisions for the list of revisions to the Library Management solution.

Collections Server

Collections Server 10.1 incorporates new features focused on information retrieval, document management and expanding Web-based administration features to provide robust intellectual asset management, data modeling, and security capabilities for very large collections of structured data with integrated text and objects.

Allow Mixed Use of AND/OR Delimiters in a FIND Command

You can now use AND plus OR in the same field value list for a FIND command. In previous versions you could only combine values with a single operator, such as

```
FIND CAT WHERE TITLE INC 'RAIN' & 'SNOW' & 'WIND'
```

In order to use both AND plus OR you had to restate the field name. The new feature lets you combine terms in a list using a combination of commas and ampersands. You may also use parentheses to group values together and to establish logical precedence. By combining the use of AND with OR, you can specify FIND commands like these:

```
FIND POLICY WHERE TEXT INCLUDES 'alpha'&'beta', 'omega'
```

The results have the both alpha and beta appearing or that have the word omega.

```
FIND CAT WHERE TITLE PH ALL 'once upon a time', 'in the beginning'
```

The results have either or both of the phrases specified.

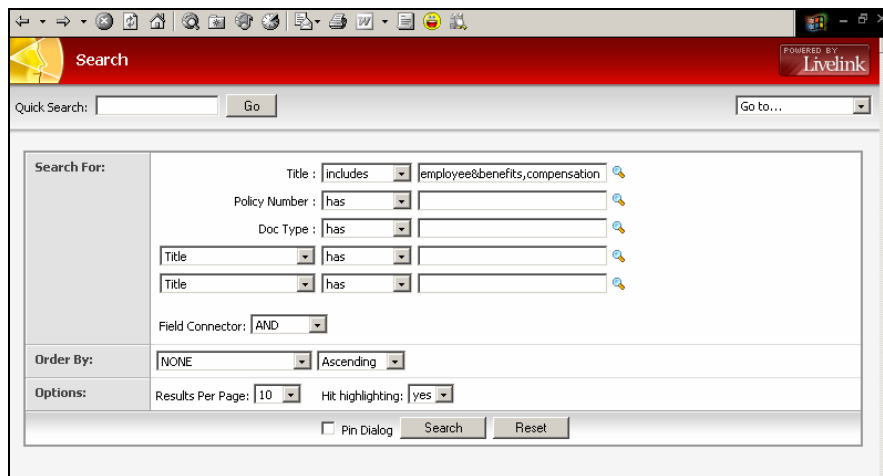
The screenshot shows a web browser window with a search interface. At the top, there's a red header with a search icon and the text "Search". Below the header, there's a "Quick Search:" field with a "Go" button and a "Go to..." dropdown. The main search area is titled "Search For:" and contains several rows of search criteria. Each row has a dropdown for the field name (e.g., "Title"), a dropdown for the operator (e.g., "includes", "has"), and a text input for the value (e.g., "employee&benefits,compensation"). Below these rows, there's a "Field Connector:" dropdown set to "AND". At the bottom of the search area, there's an "Order By:" section with "NONE" and "Ascending" dropdowns, and an "Options:" section with "Results Per Page:" set to "10" and "Hit highlighting:" set to "yes". There are also "Search" and "Reset" buttons at the bottom right of the search area.

Figure 1 - Webtop Search mixing AND plus OR operations

Not all combinations of index type, operator and value list are possible or permitted. Please refer to the *Find Handbook* for more details on this new feature.

Delimited Forms for HVU Import/Export

This feature adds a new file format for HVU when you define a form in an HVU form library. The new format, DELIMITED, facilitates the interface with Windows applications (Microsoft Excel in

particular) that deal with comma-delimited files and tab-delimited files. This means you can export a Collections Server record or document set in a delimited-format and then input the resulting file to Excel. You might also save an Excel spreadsheet as a comma-delimited or tab-delimited file and then import the saved file into a Collections Server database using a delimited-format HVU form.

Like all forms formats you can define the view, field, field and subfield delimiters, and more. The syntax for a delimited-format form is as follows:

```
FORMNAME=form_name, FORMAT=DELIMITED, VIEW=view_name
{ ,FIELD_ORDER=ALPHAbetical | DISPLAY_sequence }
{ ,FIELD_SEParator='X' | TAB }
{ ,SUBFIELD_SEParator='Y' }
{ ,BRACKET_CHARacter='Z' }
```

Refer to *Appendix A: Forms Processing*, in *Database Loading and Maintenance* for detailed description of all the options associated with the Delimited form format.

Enhanced WebAdmin Features

The Web Administrator (WebAdmin) module was introduced with Collections Server 10 and provides a browser-based interface to functionality previously limited to the command line System Administration (DMSA) module. For Collections Server 10.1, the DMR CREATE Index and DROP Index actions have been added. Using WebAdmin you can drop and create (i.e. rebuild) specific indexes in order to update the index terms.

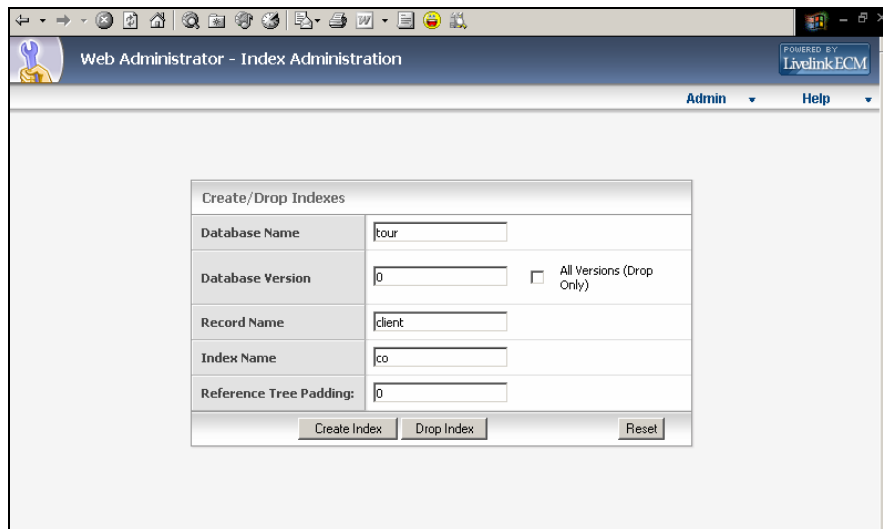


Figure 2 - Index Administration

A new WebUser Manager module also helps simplify administration tasks. This specialized page lets users change their own passwords. This Web-based equivalent of the command line DMUSER module can be accessed as a standalone application or integrated with Webtop applications.

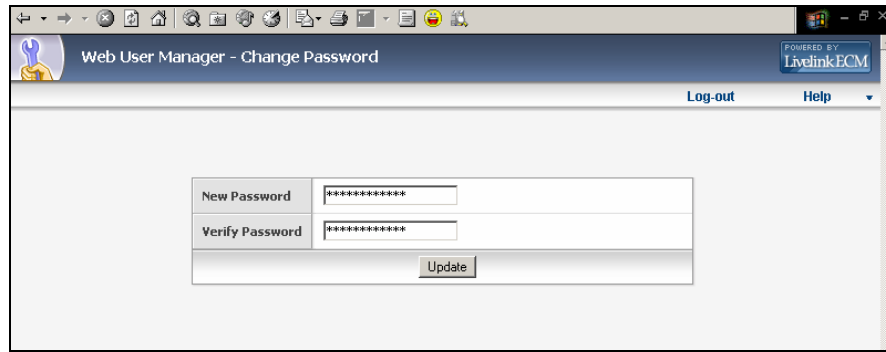


Figure 3 Web User Manager

Password Security Enhancements – Expiration Option

Effective with Collections Server 10 database passwords can be up to 64 characters in length, may be character, integer literal or selected special characters, and can be case sensitive. With Collections Server 10.1 security is further extended to provide a password expiration option with user notification. You can activate Password Expiration using the UPW_Lifetime System Generation parameter.

New PDF Indexing Option

Collections Server 10 introduced Stellent HTML-Export v.7.7.1. This and subsequent versions of the document converters do not export hidden text as they did in prior versions. As a result, when importing documents with content tagged as hidden text (frequently found with OCR'd images), that content is not indexed as it had been previously. In order to adjust to the change in converter behavior, there is a new configuration option in the doc2html module and bdhtml.ini to let you control indexing of hidden text. A similar option will be available in Webtop 10.1. For more information on the Hidden Text flag refer to the Post Installation Tasks in the Installation Guide(s). The default is to extract and index hidden text for objects with DOCTYPE=PDF; if you have content within a document that should actually remain hidden you will need to change the configuration option or define and set a different DOCTYPE value.

Migrating to Livelink Collections Server 10.1

The substantial architectural changes between BASIS 9.1 and Collections Server 10 necessitate a migration. If you have already upgraded to Collections Server 10, congratulations, we hope you are enjoying the improved scalability and usability. The move to Collections Server 10.1 is a standard upgrade. If you are running BASIS 9.1 or earlier, you will need to dump and reload your databases. However, you do not have to upgrade to Collections Server 10 first; you can go from BASIS 9.1 directly to Collections Server 10.1. You will find detailed migration procedures in the upgrade chapter of *Installing Livelink Collections Server*. In order to minimize the impact to your applications, Open Text is also offering these additional support services:

- *Migrating to Version 10*, a one-day training seminar. Refer to <http://www.opentext.com/training> for course description and schedule.
- Professional services to help you plan your migration to make the transition as easy as possible. Open Text consultants are available to perform the entire migration for you or simply provide expert guidance. To learn more about the Professional Services offering, visit the Open Text Knowledge Center at <https://knowledge.opentext.com/basisps>

Installation Features

The Server installation procedure for all platforms has been revised to support a parallel approach to the upgrade. Each release is a separate instance that will not conflict with other releases; that means you can have 9.1, 10.0, and 10.1 installed all on the same machine. There is no longer an option to upgrade by overlaying the previous release. The parallel installation approach is also used for Collections Server Web Administrator and Webtop 10.1.

Collections Server 10.1 uses a new program group. All Open Text products have been consolidated into a single Open Text Program Group. Within that group all Livelink ECM – Collections Server programs appear together.

Details are available in the Install Guide for each platform.

Electronic Delivery

Beginning in 2006 all Open Text software will be delivered via download from the Customer Support area of the Open Text Knowledge Center. For the Collections Server product family (including Livelink for Libraries and Webtop Suite) the current and prior releases (V10 and V10.1) will be available at <https://knowledge.opentext.com/downloads>. Select Collections Server, Product Releases and then select the version. There will be folders for Collections Server, Library Management Suite (Livelink for Libraries) and Webtop Suite. Each folder includes the software in a single compressed format (e.g. zip, tar) file. Follow the links to Product Documentation and download the Release Notes (*What's New*), Latest Notes, Install Guides, and complete manual set in PDF.

When you request the release your permissions to the Knowledge Center will be updated to authorize you to the download folders for all products you have purchased. You will receive two emails: one with your Knowledge Center credentials; and one with the software license keys. Initial shipments of Collections Server 10.1 will be on CD. Electronic delivery will become the default by June 2006. At that time, if you prefer a physical delivery you will need to explicitly request it in order to receive a software CD.

Documentation

The physical release package for the Collections Server 10.1 includes the software CD and product authorization key(s). Open Text no longer provides print copies of the installation documentation, release note (this document, *What's New for V10.1*) or *Latest Notes for Collections Server and Livelink for Libraries 10.1*. Instead, the install guides and release notes are delivered in Adobe PDF format on the software CD or are may be downloaded from the Knowledge Center. On Windows, the Autorun feature launches an html page with links to let you navigate to the documentation directories. On the

other platforms you can review the readme or use a browser to open Index.html to access the documentation.

PDF versions of these guides along with the complete product documentation set are also available in the Documentation area of the Open Text Knowledge Center at:

<https://knowledge.opentext.com/documentation>. Before installing any software, you should access the CD and review the install guide(s) as well as check the Knowledge Center to see if there are documentation updates.

The latest version of the Online Documentation Database (BOLD) is delivered on the Server CD, and in the downloadable installation package. The Database is also available from the Customer Support area of the Open Text Knowledge Center.

Customer Support

Our staff of Product Specialists and Customer Service Representatives provides technical assistance to customers who are enrolled in one of our Software Maintenance Programs. Please contact us at the location nearest you: http://www.opentext.com/services/contact_us_support.html

In addition to support via telephone and email, you also have 24 x 7 access to the Open Text Knowledge Center (<https://knowledge.opentext.com>). Under Customer Support, there is a dedicated Livelink Collections Server Support area with information on Collections Server, Livelink for Libraries and Webtop. This area includes 'How To' information, updated product information, installation materials, online documentation, and downloads. If you have not registered for the Open Text Knowledge Center, select your local support agency from the list above and ask them to set up an account. Customer support staff will contact you with your username and password within 2-3 business days.

Product Support Status Changes

As we refine the Collections Server product portfolio, it becomes necessary from time to time to discontinue specific product modules for strategic and economic reasons. Open Text's Product Retirement Policy is designed to equip product stakeholders with sufficient advance notice of changes to product availability, support status and replacement options in order to promote local planning. You may review the policy and communication procedure on the Open Text Knowledge Center by navigating: Product Information; Livelink Collections Server; Release Info; Retirement of Platforms and Products. Please note the following changes.

BASIS Desktop and BASIS WEBserver Gateway

- The BASIS Desktop client and BASIS WEBserver Gateway were moved to the Critical Fix Only support status with BASIS V9.1.
- The BASIS Desktop client and BASIS WEBserver Gateway, delivered with Version 10 have a support status of Phone Support Only (no bug fixes).
- BASIS Desktop and BASIS Desktop Administrator are retired and withdrawn effective with Collections Server 10.1. They are not delivered with this release.

- These support changes do not affect ODBC-SQL Driver which is available to all maintenance paying customers in the Downloads/Product Releases area of the Open Text Knowledge Center.
- WEBserver Gateway is delivered with Version 10.1 with a support status of Phone Support Only (no bug fixes).
- WEBserver Gateway will be retired and withdrawn effective with the next Collections Server release.
- The Corporate Information Center (CIC) application template delivered with WEBserver Gateway is no longer supported effective with Livelink Collections Server 10.1. The forms and scripts are included in the deliverable but have not been updated or tested. They will be removed from Collections Server 10.2.

Collections Server Webtop Suite, which includes Webtop, Webtop OPAC and Webtop Thesaurus Manager, provides standard Java/JDBC interfaces and replaces the legacy Desktop and WEBserver Gateway applications. The authority for the support policy is the Livelink Collections Server Product Release Support Grids, which are revised and available to customers with each product release.

Supplemental Tools

Supplemental Tools for Version 10.1 are available for download from the Open Text Knowledge Center (select Downloads/Products Updates). The Supplemental Tools are retired products and are no longer tested. While the original retirement plan stipulated that the tools be permanently withdrawn effective with the release following March 2002, Open Text has deferred the product withdrawal. In recognition of our large and prestigious customers who still use these tools, Open Text will invest commercially reasonable effort to build and test the supplemental tools to verify compatibility with subsequent releases and current operating system levels. Some or all of the tools may be withdrawn from any release when it is no longer possible to cost-effectively sustain them. Customers building new applications should consider using the newer interface technology like JDBC.

The Supplemental Tools include:

- Fortran Pre-Compiler (FPC)
- Cobol Pre-Compiler (CPC)
- Document Handler Interface (DHI)
- BASIS Report Writer (RW), including DMDDBR
- BASIS Command Language (BCL)

Livelihood for Libraries

Livelihood for Libraries is Open Text's Livelihood ECM -- Library Management solution. Version 10.1 is a feature release that includes product enhancements as well as code revisions to User Reported Problems (URPs). Refer to Appendix B: Livelihood for Libraries 10.1 Revisions for the specific revisions. Stability and usability are the key issues for Livelihood for Libraries as we try to improve the workflows and simplify processing in Serials & Acquisitions. System enhancements and changes were made in the following areas of Livelihood for Libraries 10.1.

Extend Digital Collections features

The Digital Collections component, introduced in Techlib V9.1, lets you add value to catalog information by attaching digital content such as full-text documents, cover art, reviews, or Tables of Contents. The feature is standard and available to all customers. Livelihood for Libraries 10.1 improves the usability and integrity of the digital collections. Catalog records are sensitive to the presence of attached documents. If you try to delete a Catalog record with Digital Content attached, you will see this message

```
Are you sure you want to delete this record and its associated  
Digital Content records? <OK/Cancel>
```

For content managed in Collections Server -- Click OK to delete all Documents and the Catalog record. If you want to keep the documents, click Cancel then select [View Digital Content] and [Detach] the documents. The Catalog record can be deleted and the documents are then available to be attached to another Catalog record.

A similar feature will be available for content managed in Livelihood Enterprise Server with the next release of the Livelihood for Libraries Integration Module

Improve Fidelity of Report Output

Livelihood for Libraries reports have been enhanced in a several areas.

- Made the Circulation Transaction records required in order to generate circulation statistics. If you use the Circulation Management Statistics reports you must activate Circulation History via Administration/Setup (LIBR.CIRC_TRANS=Y). This requirement ensures more accurate statistical reporting.
- Revised the report output format options to optimize layout and appearance of report data.
 - The text format was eliminated; it was very difficult to provide a reasonably formatted text file.
 - Added Excel as an output format for statistical reports
 - Selected one format as the default format for each report (i.e. email for notices, Excel for statistics, Word for everything else) and optimized the layout for that file type.
 - HTML output is formatted according to the HTML 4.0 Standard which removes the need for the browscap.ini file. The browser type is now managed more simply as a session variable.
- Upgraded to Crystal Reports XI.

Improve Navigation

The Jump To [item number] action makes it easier to navigate long lists of items. This action was introduced in Livelink for Libraries 10. In v10.1 Jump To has been added to five more pages: Holds Result, Patron Result, Catalog Result from Serials Route search, Vendor Result, and Acquisitions Receiving Order Results.

Improve Customizability

A new Administrative task lets you export and import Help Topics so that revisions can be made using the Livelink for Libraries interface. You can search for Topics by Title, Keyword and Module. After you select a Topic you can export the file to an HTML file on the application server (see Figure 5 - Help Topic Display after Export).

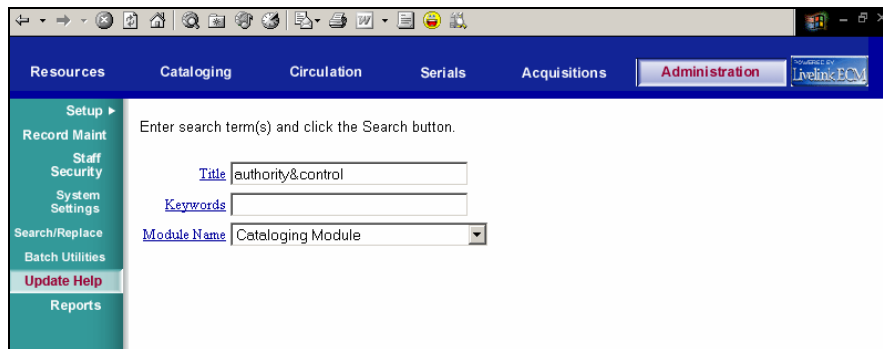


Figure 4 - Help Topics Search Page

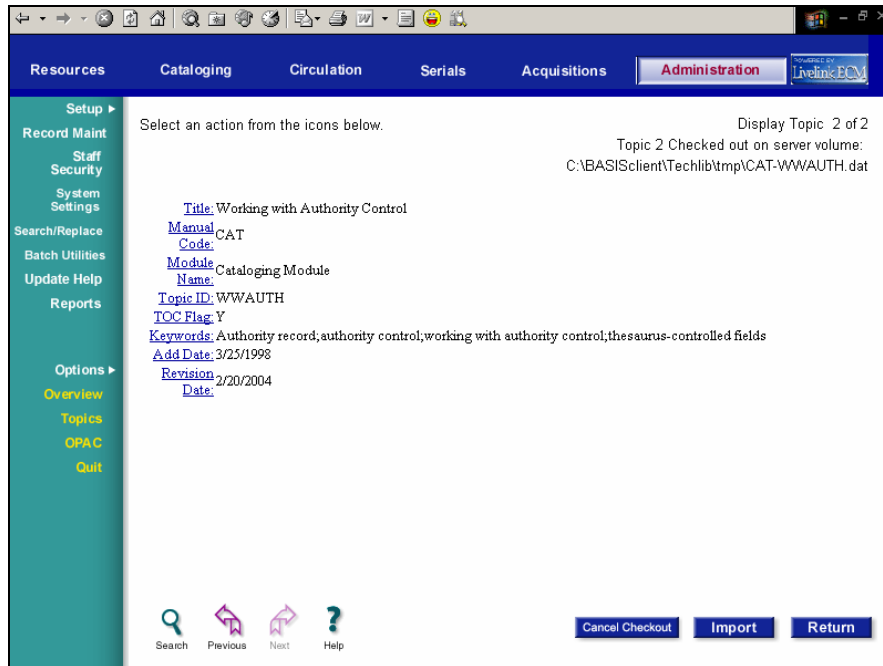


Figure 5 - Help Topic Display after Export

The user must be authorized in the User Security Record to access the Update Help task. During the Livelink for Libraries 10.1 installation, all staff with Administration privileges will be authorized for the Update Help task. Refer to the *Livelink ECM – Library Management Administration/Customization Guide* for a complete description of how to modify Help Topics using the new Administrative task or Webtop.

Documentation

The physical release package for Livelink for Libraries 10.1 includes the software CD and product authorization key(s). Open Text no longer provides print copies of the installation documentation, release note (this document, *What's New for V10.1*) or *Latest Notes for Collections Server and Livelink for Libraries 10.1*. Instead, the install guides and release notes are delivered in Adobe PDF format on the software CD. The Autorun feature launches an html page with links to the documentation directories.

PDF versions of these guides along with the complete product documentation set, including *Getting Started with Livelink for Libraries*, are available for download from the Documentation area of the Open Text Knowledge Center at: <https://knowledge.opentext.com/documentation>. Before installing any software, you should access the CD and review the install guide(s) as well as check the Knowledge Center to see if there are any documentation updates.

The latest version of the Online Documentation Database (BOLD) is delivered on the Server CD. The Database is also available from the Customer Support/Documentation area of the Open Text Knowledge Center.

Product Support Status Changes

As we refine the Livelink Collections Server product portfolio, it becomes necessary from time to time to discontinue specific product modules for strategic and economic reasons. Open Text's Product Retirement Policy is designed to equip product stakeholders with sufficient advance notice of changes to product availability, support status and replacement options in order to promote local planning. You may review the policy and communication procedure on the Open Text Knowledge Center by navigating: Product Information; Livelink Collections Server; Release Info; Retirement of Platforms and Products. Please note the following changes.

- Livelink for Libraries MARC Editor module was moved to a support status of Critical Fix Only with BASIS V9.0 and then to Phone Support Only with Livelink for Libraries 10
- The MARC Editor is now retired and not available for Livelink for Libraries 10.1.
- Open Text determined that there are a variety of Open Source and inexpensive tools with better functionality for maintaining MARC records. Contact Technical Support for suggestions on specific tools that are used with Livelink for Libraries.
- The MARC Import and MARC Batch Load modules continue to be fully supported.

Appendix A: Collections Server 10.1 Revisions

In the table below, **Problem** describes the nature of the reported software defect; **Solution** describes the corrective action taken to resolve the problem.

Module	URP	REV	Description
DMDBA		8083	Problem: DMDBA crashes with an access violation (SIGSEGV) if it attempts to update the definition of a record having many fields (about 800 or more). Solution: Fixed.
DMR	14219	8076	Problem: When DMR action VERIFY_INDEX detects a mismatch between an index term and the record data from which the term was generated, the messages reporting the mismatch will truncate any index term and corresponding record data over 80 characters in length. Solution: Increase the width in messages 9219 and 9220 to accommodate the longest index term, which is 250 characters.
DMR	14259	8095	Problem: DMR (or HVU) aborts with se 8507 (unable to expand page pool) when creating the text stream index of more than 2G index terms. Solution: Fixed.
DMR		8099	Problem: DMR action VERIFY_INDEX MAY fail in a circumstance where the index being verified is one of many (in excess of 380) residing in the same database file. The failure has at least two different manifestations: 1. DMR reports "This index does not contain any terms." 2. UE 8508 (error reading page) due to I/O status 35 (no such page) Solution: Fixed.
DMR	14296	8108	Problem: DMR action VERIFY_INDEX reports incorrect message when an open file is encountered. Solution: Open each database file with (Protected READ) so that the error will correctly indicate the file is temporarily unavailable.
DMSA		8045	Problem: The DESTROY command of DMSA returns UE 115 (bad password) regardless of the password entered. Solution: Fixed.
DMSA		8080	Problem: The SYSGEN parameter EXPIRE_DAYS has no effect. In fact, retaining deleted record headers for any period of time (as controlled by EXPIRE_DAYS) could have a detrimental effect in the event of a rollback recovery. Solution: Removed all the processing that referenced the parameter. For backward compatibility, a value for the EXPIRE_DAYS parameter can remain in the ADB but dormant.
DMSA		8081	Problem: The IMPORT/ADB command of DMSA allows bad values (e.g. outside the permissible range) for SYSGEN parameters to be put in the ADB. A bad value can result if you make a mistake editing the parameter file input to IMPORT/ADB, or when you export the ADB at a certain release level (e.g., 9.1) and then import at a later release level (e.g., 10.0) where the new minimum value exceeds your prior setting. Solution: Validate all SYSGEN parameters processed by IMPORT/ADB and override any value outside the permissible range, override it with the default value.

Module	URP	REV	Description
DMSA		8110	<p>Problem: When you migrate an ADB from/to a little-endian machine to/from a big-endian machine, the IMPORT/ADB command of DMSA on the destination machine fails with UE 824 (bad UPW).</p> <p>Solution: The byte ordering of a machine impacts the encryption/decryption of a UPW such that an exported user record cannot be imported on a machine having the opposite byte ordering.</p> <p>Solution: Added a new environment variable, DM_ENCRYPTED_UPW, which governs whether an import/export deals with encrypted UPWs or non-encrypted UPWs. By setting DM_ENCRYPTED_UPW=NO on both machines, you can successfully migrate an ADB from one machine to another machine having the opposite byte ordering</p>
DMTM	12103	8226	<p>Problem: When dumping a thesaurus using DMTM, incorrect values might be output for the TERM TAG, ANNOTATION, and/or RECIPROCAL ANNOTATION.</p> <p>Solution: Corrected invalid values for secondary term accession number.</p>
DMTM		8229	<p>Problem: When dumping thesaurus relations, informative relation messages greater than 1420 characters will result in a DMSTAT 668 (The DVLIST area supplied is too small).</p> <p>Solution: Calculate the DVLIST value correctly so that it is large enough to hold all record instances.</p>
DOC	14385		<p>Problem: <i>What's New in v10</i> does not define what special characters are not escaped adequately to be recognized by the server in database passwords. This information is also missing from the bold SA docs.</p> <p>Solution: The limitation is in Collections Server ODBC which does not support all special characters in the password because they may not be escaped sufficiently to be recognized by certain operating systems. The documentation has been updated, although there is no definitive list. The allowable characters are platform specific and may depend on which Unix/Linux shell is being used. You should take extra care when using special characters – always test to be sure the registered password may be entered and properly processed either on the command line or in response to a prompt. One problem report confirmed that ! and ? were not recognized on a Linux server.</p>
FIND	14240	8050	<p>Problem: Certain FIND commands on thesaurus controlled fields with thousands of additional search terms (synonyms and narrower terms) that are fetched from the thesaurus may fail with SE 1758 (insufficient short-term heap space)</p> <p>Solution: Enabled thesaurus translation for a given search term to wait for additional short-term heap space.</p>
FIND	14239	8051	<p>Problem: A FIND command using SCAN and involving multiple wild-card terms against an index definition with ENTIRE_VALUE=YES may return incorrect results.</p> <p>Solution: Removed as irrelevant, the provision for ENTIRE_VALUE=YES in a non-indexed search.</p>
FIND	14238	8053	<p>Problem: Incorrect results from certain FIND commands with joins.</p> <p>Solution: Modified routines to continue joining until the end of the index(es) is encountered.</p>
FIND	14241	8056	<p>Problem: A FIND command involving a phrase search of a document type defined to have a capacity of V1 or V2 (32000 words/tokens maximum per context unit) might disrupt the Kernel.</p> <p>Solution: Modified the FIND phrase-search routines to allow for 32000 tokens per context unit.</p>

Module	URP	REV	Description
FIND	14227	8079	Problem: FIND results in no hits when the search term entered contains sub break characters. Solution: Fixing the problem is not practical due to the intended purpose and standard behavior of sub break characters. Instead the problem has been addressed by rejecting any FIND command token that consists only of sub-break characters. User error 2146 (token all sub-break characters) is returned to the user in this case.
FIND		8089	Problem: The quota of record-occurrence locks for a FIND command performed within a transaction is too low. Solution: Establish a new environment variable, DM_FIND_LOCK_QUOTA, in order to dynamically set the lock quota when the Kernel starts up.
FIND	14267	8102	Problem: Inconsistent results returned for complex FIND commands that include a directed-join with an "NE NULL" retrieval test within an ORed restriction. Solution: Repaired small coding errors in the routines that process a "NE NULL" retrieval test.
FIND	14329 14377	8112	Problem: A FIND command involving a join with a restriction on a SET_ON_GET virtual field may fail with SE 1899 (self-detected system error). Solution: Fixed.
FIND	14337	8133	Problem: Certain FIND commands using a composite view consisting of multiple directed joins may return the incorrect results. Solution: Fixed.
FIND	14340	8135	Problem: FIND Command may hang the kernel instead of returning UE 865 (field name translation failed.) Problem: Fixed.
FIND	14341	8137	Problem: Certain FIND commands involving 3 or more levels in a directed-join hierarchy may return invalid results. Solution: Fixed.
FIND	14358	8199	Problem: A kernel error (SE 1900 - FIND memory pool corrupted, or segment violation SIGSEGV) may occur during certain FIND commands involving thesaurus look-ups. Solution: Corrected FIND optimization-phase routine which performs thesaurus look-ups.
FIND	14361	8204	Problem: An unexpected system error and kernel dump occurs during certain FIND commands involving updates in-progress Solution: Fixed.
FIND		8222	Problem: A directed-join FIND command of certain form may result SE 1990 (set origin error detected during the FIND command) Solution: Fixed
FQM	14214	8047	Problem: Restore of result set may hang in v9.1. Solution: Fixed.
FQM	14244	8061	Problem: If a user result-set number goes above 65535, I/O status 2 (end of file) or 35 (no such page) might occur on a DISCARD command or fetch of a result-set member. Solution: Expanded the area to accommodate a larger number of results. --the maximum user result-set number is 1048575.
FQM	14234	8073	Problem: Discard/set all does not reset the set number if there are no active sets. Solution: Fixed.

Module	URP	REV	Description
FQM	14177	8074	Problem: UE 7819 (result set not ordered) might occur on a RANK command (or TALLY, or COUNT) even though an ORDER BY was specified on the FIND command that created the result set. The error is possible if: the field data is not raised; the field is indexed; the case of the index terms is raised; and the field contains data in mixed case. Solution: Modified the logic of processing for the ORDER BY clause.
FQM	14342	8139	Problem: TYPE with \$EXPLODE prints garbage for empty fields. Solution: Fixed.
HVU		8028	Problem: DMHVU (or DMQ) may abort UE 57 (Attempt to perform I/O on a file that is not open) if there is an error opening the log file to report referential integrity exceptions. Solution: Fixed.
HVU	14220	8046	Problem: For a document type having an area distribution list of 3 or more areas, with no cycle specification, DMHVU OPEN/DB does not switch to next area properly. No problem with open/direct. Solution: Fixed.
HVU	14257	8093	Problem: BGML tags are mishandled when dumping and reloading data. Solution: Fixed
HVU	14261	8098	Problem: HVU issues SE 47970 (heap already allocated) after a FIND on a non-existent view. Solution: Fixed.
HVU	14282	8104	Problem: open/direct import/form/doc where form=dump causes segment violation on a subsequent import. Solution: Fixed.
HVU		8107	Problem: On an import via HVU using RELOAD=YES a SET_ON_PUT virtual field is recalculated even though the import data file specifies a value for the field. Solution: Fixed so that import does not recalculate the SET_ON_PUT value if it is in the input file.
HVU	14334	8128	Problem: The Kernel fails with a SIGBUS/SIGSEGV (access violation) during hvu open/db update while indexing a text-image field that has index terms resulting from searchable markup-element attributes but no normal index terms. Solution: Fixed to account for the peculiar situation.
HVU DMR	14360	8196	Problem: DMR or HVU (OPEN/DIRECT) will occasionally issue an I/O error and corrupt the rdb file. Solution: Added test for a fencepost case
Kernel	14208	8037	Problem: The Kernel may mark the database files as damaged if the journal fills up during of a sub-transaction started by an OPI program when the Kernel switches to the next journal Solution: Fixed.
Kernel		8040	Problem: When the Kernel is compiled in production mode, there is no way to check the integrity of its heap structures. Solution: Modified the Kernel to perform heap integrity checking based on run-time options, which are specified via environment variables DM_CHECK_LTH and DM_CHECK_STH.
Kernel		8042	Problem: SE 902 (bad file number in record pointer) occurs during Kernel restart recovery if it encounters an empty B-tree for an index partition. Solution: Fixed.

Module	URP	REV	Description
Kernel	14204	8078	Problem: The following error message may appear in the Kernel output file while the Kernel is simultaneously processing a FIND command for one user and an extensive FINISH command for another: SE 1542 (reset EOI failed.). The error causes the FIND command to fail, but the FINISH completes normally. Solution: This issue had to do with a page belonging to more than one thread and has been fixed.
Kernel		8084	Problem: If you specify an invalid file descriptor for the BLOB when using an indirect converter, the import module incurs SE 42310 (DH heap extent too small) and aborts. Solution: Defined a new field type for the file descriptor so that the module will be able to detect and issue UE 51542 (bad physical-file specification).
Kernel	14281	8103	Problem: Loading hve files generated from Excel spreadsheets (under v9.1) may terminate with SE 42310 (heap object cannot be expanded further). Solution: Modified the context parser to transfer the accumulated data to a database record even when it is unable to find a complete context unit.
Kernel	14312 14299	8114	Problem: Text-image fields may be improperly formatted. This display malfunction is data dependent. Solution: Modify the routine to properly handle trailing line breaks.
Kernel	14344	8124	Problem: The kernel rejects user signons with the UE 127 or 4127 (no communication line is available ...) even though DMSA shows available lines. Solution: Fixed.
Kernel	14345	8125	Problem: A specific sequence of commands may cause the Kernel to issue I/O status 35 (no such page) on one a per-user work file. Solution: Fixed.
Kernel	14364	8203	Problem: Some FIND commands executed within a transaction result in SE 1900 (error occurred in the FIND command memory pool management). Solution: Adjusted locking for intermediary sets to avoid over commitment of thread-stack space.
Kernel		8211	Problem: Incorrect results are possible for certain FIND commands when REFERENCES=NO Solution: Modified FIND command optimizer to behave correctly under this condition.
OpenAPI	14306 14351	8082	Problem: Client applications that reference hundreds of fields in one session may result in an opirpc segment violation or cause the opirpc process to stop or loop indefinitely. Solution: Corrected memory-allocation structures.
OpenAPI	14301	8111	Problem: An OPI application using a customized presenter may error with dmstat 54072 (access/segment violation) during a call to OpiGetTextData if the supplied data buffer is not large enough to hold all the requested context units. Solution: Fixed
OpenAPI	14298	8113	Problem: Extra line break returned by OPI for text-image field which has no line breaks. Solution: Fixed.
PROC	14243	8032	Problem: On UNIX you cannot specify a file descriptor containing an environment variable for the PLIBRARY parameter. Solution: Modified the parse tables to recognize a file descriptor beginning with "\$".

Module	URP	REV	Description
WEBServer Gateway		8085	Problem: When using WEBServer to retrieve a large record, you may get an SE 53754 (OpiDatabuff too small) error. Solution: Increased maximum OPI buffer size to 325,000 to handle worst-case encoding for the largest of records.

Appendix B: Livelink for Libraries 10.1 Revisions

Module	URP	REV	Description
Acquisitions	14333	8162	Problem: Update on the Request allows the user to have the Send Direct Address as something other than 'Uses Request Shipping Address' if the shipping address fields are populated. Solution: Added the check to the update code.
Acquisitions	14302	8109	Problem: When receiving on a credit card order and creating a temp invoice, the Vendor ID is not being set to the Pay Vendor ID. Solution: Added check a Pay Vendor. If it exists, set the Vendor to the Pay Vendor.
Acquisitions	14232 14332	8126	Problem: When scrolling through the Acquisitions Order Request List, the Next action only incremented by 10 but 30 results were shown. Solution: Corrected the row count variable.
Acquisitions	14202	8146	Problem: If there are no Vendors in the database, the Vendor selection dropdown issues an error. Solution: Added check to see if there are vendors. If there are not, set the vendor dropdown session variable to no even if the flag is set to yes.
Acquisitions	14335	8148	Problem: Invalid field reference in localized version. Solution: Change the code to use the LIBR_ADDR_TYPE section to translate 'bill'.
Acquisitions	14304	8159	Problem: A warning message regarding the number of invoice copies is issued even when you only receive the invoice. Solution: If only the invoice is being received, compare the number of invoice copies to the number of copies ordered to decide if the message should be shown.
Acquisitions	14314	8165	Problem: When a subscription order is charged to credit card, the temporary invoice that is created during receiving sets the Invoice Type=Renewal instead of Credit Card. Solution: Changed the code to check the Pay Type first.
Acquisitions	14199	8206	Problem: The error message ACQS_NOT_RECEIVED does not explain the "real" problem. When a request record has a Pay Status of Unpaid and the Amount Paid is 0.00 the invoice will not post. Solution: Changed the text of the error message, ACQS_NOT_RECEIVED.
Administration	14251	8152	Problem: The FIND command in the Batch Utility to delete subscriptions does not exclude Subscriptions with an Active status. Solution: Modified the find command to include a restriction on status.
Administration	14274 14316	8150	Problem: The Help link for the dates on the Batch Delete procs do not refer to the true date fields. Solution: Changed the parameter to TlGenFieldHelp to contain the true field name that was being searched.
Base	14317	8054	Problem: Date and numeric update fields in the recmaint.asp are not long enough for the data. Solution: If a field type is exact binary, use the precision to determine the max size.
Base	14325	8070	Problem: SQL syntax is confusing. Solution: Removed search criteria (SQL select statements) from all result display pages.

Base		8134	Problem: Requirement to eliminate the need for CDO libraries to deliver reports via Email. Solution: Changed the code to use sendEmail instead of CDO. Refer to the install guide for set up instructions.
Base	14293	8156	Problem: The first record position may be invalid after calculating the Jump To value. Solution: Added test for a negative number after performing the calculation. If it is negative, set the position to the first member.
Base	14186	8197	Problem: Query is too Complex error may occur when running reports. Solution: Modified reports to populate every table with the report number so related table entries are easy to find and delete.
Base		8224	Problem: Notice reports return an error if you select the email output option but there is no email address in the patron record. Solution: If an email address is not available, the report will be sent to the library's email address with a subject line informing the library that the report could not be delivered.
Cataloging	14328	8164	Problem: If only one term is returned on a browse it is not displayed. Solution: Fixed.
Cataloging	14369	8235	Problem: When you add the M710 field to the database definition and the asp files, it will not allow you to delete the value from the field completely. Solution: Fixed.
Cataloging	14207	8145	Problem: The m856 field displayed correctly on the catalog page but not the copy page. Solution: Fixed, the wrong routine was being used to display the data.
Cataloging	14323	8154	Problem: The MARC rules report returns an error if the library name or location is large. Solution: The size of the virtual library name was changed from 50 to 100.
Cataloging	14324	8155	Problem: The MARC Parameter page does not correctly populate the Unique Key Location dropdown. Solution: Changed the result set used to fill dropdown list.
Circulation	14290	8160	Problem: A misleading error message is produced when you try to put an item on hold that is on the shelf. As a result a Hold is not placed when you click the OK thinking it will place hold anyway. Solution: Reworded the error message.
Circulation	14289	8166	Problem: Holds Update displays duplicate rows for a single hold after placing a copy hold. Solution: Fixed the find command.
Circulation	14194	8144	Problem: The Circulation Request report did not contain the Patron Notes field. Solution: Added the notes field to the report file.
MARC Load	14192	8223	Problem: LCCN is not properly formatted for a four digit year. Solution: Changed the LCCN formatting so it does not remove 0's and does not add a dash.
Serials	14242	8151	Problem: Number of Issues Process indicator does not add the issues properly. Solution: Instead of incrementing by 1 the code now increments by the actual number of issues processed.

Appendix C – What's Next for Collections and Libraries

The following features are being considered for the next release of Livelink Collections Server. The list will expand considerably as additional features and extensions are identified and prioritized based on the results of the Collections and Libraries Product Planning Survey which will be available in March 2006. Please contact your local support organization for details if you do not receive an invitation to participate in the survey.

As release features are finalized details will be available in Livelink Collections Server and Livelink for Libraries *Product Strategy, Roadmap and Release Plans* available on the Open Text Knowledge Center (<https://knowledge.opentext.com>, select Product Information/Livelink Collections Server/White Papers).

- Assure continued stability and performance for basic document and collection management services and information retrieval.
- Enhance Livelink Collections Server Web Administrator (WebAdmin) to include access to more frequent administration tasks.
- Enhance Livelink Collections Server Webtop Suite to include new features as defined by customer requirements and Requests for System Modification (RSM).
- Extend the accessibility and usability of the Collections Server Thesaurus Manager.
- In Livelink for Libraries, simplify subscription renewal and issue prediction procedures.