opentext™

OpenText™ LiquidOffice™ CE 22.2

Release Notes

Product Released: 2022-05-31

Contents

1   Introduction

These Release Notes provide an overview of OpenText LiquidOffice 22.2, including new features, delivery information, and supported platforms.

OpenText recommends that you read these Release Notes in conjunction with the documentation included with the software package. If any conflicts exist, the Release Notes supersede the other documentation.

We also recommend that you check OpenText My Support (https://support.opentext.com) for any patches or documentation updates that may have been posted after the initial release of this product.

1.1   Release Notes revision history

Revision date	Sections revised	Description of revisions
2022-05-31	First release.	All new content.

2   About OpenText LiquidOffice 22.2

This section provides an overview of OpenText LiquidOffice 22.2.

OpenText™ LiquidOffice™ is an Intelligent Forms Automation solution that enables organizations to use rich web and PDF forms to collect, route, and process information.

With LiquidOffice, organizations can easily create intelligent forms to collect information from employees and customers. With that information, organizations can then use powerful routing and form processing capabilities to ensure information is validated, supplement information with data from other systems, route information for review and approval, and save information to back-end databases and applications.

LiquidOffice can completely automate forms-driven business processes for efficiency, in order to ensure that best practices are followed, and to improve customer satisfaction.

Key Feature	Description
Electronic form design	Quickly design intelligent web and PDF forms to collect information and documents for routing to people and systems, and integrate into business processes.
Anywhere / anytime access	Enable users to access forms and perform tasks from web, mobile, and integrated user interfaces.
Ad hoc routing	Simplify review and approval processes with user-driven ad hoc routing of forms, information, and documents.

Key Feature	Description
Process modeling	Easily model a business process with a drag-and-drop user interface, leverage business rules and scripting to interact with people and systems, and simulate for testing and validation.
Business activity monitoring	Enable decision-makers to monitor business processes and understand what's happening across an organization by using analytics to optimize performance.
Integrated solutions	Manage processes from end to end by taking advantage of integration with OpenText TeleForm, OpenText Content Server, databases, and content management systems.
Audit and security	Securely connect employees, customers, and partners inside and outside an organization with authenticated access to forms and audit trails of activity.
Enterprise solution	Deliver solutions to the enterprise and beyond with a scalable and integrated platform that can support thousands of users, forms, and processes.

2.1   New features

OpenText LiquidOffice 22.2 includes the following new features.

2.1.1 My Data Portal Access

The My Data feature is now updated and available from the Portal.

My Data provides a simple way to collect data from submitted forms and access the data. The feature previously required use of the Web Desktop and My Data Client to access the data.

My Data is now accessible from the Portal, which allows users to quickly access and download data that has been collected, without requiring Web Desktop or My Data Client.

New and enhanced features include the following:

- My Data is accessible from Portal by users with the My Data role.

- Users can display and access all forms or filter the view to only forms with data collected or only forms with new data collected. Users also have the option to display their own forms or all accessible forms.

- For a selected form, users can download all data or just new data as a CSV file. Users also have the option to include submission properties, such as the submission date, in the downloaded data.

2.1.2 REST APIs

REST APIs have been added to LiquidOffice to help delivery of integrated solutions.

Using the REST APIs, you can now access the following capabilities:

- Login & Logout
- User Information
- Folder information (GET & POST)
- Assignments information (GET & POST)

A sample application has been added to the SDK to demonstrate use of these APIs.

Swagger documentation has been created for access to REST API details and to help with testing.

2.1.3 User Interface Enhancements

Several changes have been made to the LiquidOffice user interface (UI):

- The Portal and Mobile Portal Login pages have been updated to be consistent with other OpenText applications.

- Messages in Portal have been updated to be consistent with other LiquidOffice components.

- When the process map image is displayed in a separate browser window from Portal, the image loads with white background.

- Form packets in Portal have been updated to be consistent with other LiquidOffice components.

2.1.4 Save for later button action

A new button action has been added to enable forms to be saved for later without having to use the Submit Action control. The button action Saves the form to your inbox on the LiquidOffice server for completion later.

2.1.5 Cleanup and synchronization enhancements

- In the *dfserver.properties* file, the new parameter, *MaxEventsDeletedPerPass* allows you to limit the number of Event associated records that should be removed as a part of each cleanup operation.

- The Management Console Event log now includes LDAP Synchronization Schedule and System Cleanup start/finish time. This information can be helpful when deciding the optimal schedule, ideal frequency, and total execution time of the jobs based on the business needs.

- A new system job has been introduced (similar to System Cleanup and LDAP sync) which periodically checks for (Delay/Escalate) tasks that are stuck. If found, the job attempts to transition these tasks by invoking calls to re-process them.

2.1.6 Other new features

- LiquidOffice help & documentation is now accessible only to authenticated users.

- The LiquidOffice *Extras* folder can be accessed by only authenticated users with appropriate roles. For example, Form Designer is accessible to users with administrator or Form Publisher roles.

- Dynamic Forms demo files (dynamicformsdemo.zip) have been moved from the extras folder to *SDK\Samples\DynamicForms*.

- Administrators can set custom business calendar default for LiquidOffice Server.

- When publishing from Form Designer, users can now configure the proxy-server and port information in *jrConfig.conf*.

- The TeleForm Export connect agent now supports including PDF form as an attachment from LiquidOffice.

2.1.7 Updated platform support

LiquidOffice has added support for the following platform versions in this release:

- OTDS 21.3

- Java 17

- Content server 22.1

- Microsoft Outlook 2021

- PostgreSQL 13

- PostgreSQL 14

- Microsoft Windows Server 2022

- Microsoft Windows Server 2022 Active Directory

- Microsoft Windows 11

- Apache TomEE 8.0.6

2.2   Discontinued and deprecated features

The following features have been deprecated in this release:

Feature	Notes
Web Desktop	The LiquidOffice Portal was introduced in version 7.0, and is now the primary user interface for accessing forms, initiating workflow processes, and managing assignments. The Web Desktop has been retained in recent versions to enable customers to transition from the Web Desktop to the Portal user interface, but it will be removed in a future release. Customers are advised to migrate users from using the Web Desktop to the Portal.
Data Client	The Data Client was introduced to support data export in conjunction with the Web Desktop. The Data Client remains in this version of LiquidOffice, but as with the Web Desktop will be removed in a future release. Export connect agents can be used as an alternative to export data.

Feature	Notes
Applet barcodes	Barcodes can be added to forms using either Applet or JavaScript functionality. Applets are no longer supported by most browsers and so we recommend only publishing forms using JavaScript functionality for barcodes.
Java Web Start applications	Java Web Start was used previously to access Management Console and Process Studio from the LiquidOffice Server, but these applications can and should now be installed independently without using Java Web Start. In addition, Java Web Start was used for form publishing from Form Designer. Note that Java Web Start is no longer supported in Java 11 and higher. Java Web Start functionality remained in recent versions of LiquidOffice to help customers transition but this functionality will be removed in a future release.
Java TLS 1.0	In the latest versions of Java, TLS 1.0 has been disabled, if any versions of Java where TLS 1.0 has been disabled is being used to install or for running LiquidOffice 21.2, LiquidOffice will not connect to SQL version 14 or earlier.
Manual Data Views	When Data Views were first introduced, the Portal could be configured to use Data Views using a manually updated configuration file. Subsequent releases enabled Data View creation and configuration directly from within the Portal. The original method of Data View creation and configuration remains in this release to enable customers to transition to Data Views created from the Portal, but this functionality will be removed in a future release.
WorkSite Integration	The existing integration functionality remains in LiquidOffice to enable customers to continue using it with previously supported versions of WorkSite but no additional enhancements will be planned. This includes functionality associated with the WorkSite Export Connect Agent. WorkSite DMS Connect Agent. and WorkSite Lookup Connect Agent. Integration will be removed in a future release. OpenText partners are available to work with customers that continue to use LiquidOffice with WorkSite to provide assistance with integrated environments and upgrades to either product. Contact your account manager to learn more.
Meridio Integration	The existing Meridio integration functionality remains in LiquidOffice to enable customers to continue using it with previously supported versions of Meridio but no additional enhancements will be planned. This includes functionality associated with the Meridio Export Connect Agent and Meridio DM Connect Agent. Integration will be removed in a future release.
Drools SDK Sample	The sample integration with Drools to support integrated business rules is removed in this release. However, it will continue to work in upgrade scenario.
Dynamic Forms, Handcrafted Forms, & Eclipse Plugin	Dynamic and Handcrafted form capabilities were introduced to support the use of custom HTML forms with LiquidOffice. Virtual Submission capabilities have subsequently been introduced to provide an alternative way to use custom HTML forms with LiquidOffice, and customers are advised to use this method instead. Dynamic and handcrafted form capabilities remain in this version of LiquidOffice but might be removed in a future release.

Feature	Notes
Content Server eForms Management	Content Server eForms Management capabilities enable Content Server workflows to use LiquidOffice forms. OpenText Content Server eForms Management is supported only on Microsoft Windows.
Paper Documents	Paper Document capabilities for Xerox Work Centre Pro remains to support existing customers but this functionality might be removed in a future release.
User Profile Image (Portal and Web Desktop)	In the User Profile, the Profile Image option was removed from Portal and Web Desktop. This feature was used to upload user profile image.

3 Packaging and documentation

Downloads and documentation for OpenText LiquidOffice are available on OpenText My Support (https://support.opentext.com).

> **Note**
>
> Documentation that is installed with the product or packaged with the product download is current at the time of release. Documentation updates made after a release are available for download on OpenText My Support (https://support.opentext.com).

4 Supported environments and compatibility

This section provides details about supported platforms, systems, and versions.

4.1 Supported systems

This section describes the system requirements for installing LiquidOffice.

4.1.1 Operating system requirements

Category	Operating system
Server	• Microsoft Windows Server 2012 R2 • Microsoft Windows Server 2016 • Microsoft Windows Server 2019 • Microsoft Windows Server 2022 • Oracle Solaris 10 • Oracle Solaris 11 • Red Hat Enterprise Linux 6.10 • Red Hat Enterprise Linux 7.x • Red Hat Enterprise Linux 8.x • CentOS Linux 7.x • CentOS Linux 8.x 📄 **Note** LiquidOffice does not support 32-bit operating systems.
Desktop client	• Microsoft Windows 7 SP1 • Microsoft Windows 8.1 • Microsoft Windows 10 • Microsoft Windows 11 • Apple macOS 10.15 and later (for Portal, Mobile Portal, Web Desktop, Management Console, and • Process Studio only)
Mobile client	• Apple iOS 12.5 and later • Android 9.0 and later • Microsoft Windows 10 • Microsoft Windows 11

Category	Operating system
Process and presentation server hardware	• RAM—4 GB • Hard Drive—1GB free disk space

Database server hardware	**Note**
	LiquidOffice does not support 32-bit operating systems.
	
	• Processor—
	    o Minimum: 4 physical processors
	    o Recommended: 8 or more physical processors
	• RAM—8GB
	• Hard Drive—Recommended: Striped across at least 2 physical drives + redundancy. (Implies 4 physical drives and RAID 1+0)

Development workstation hardware	• RAM—1GB • Hard Drive—1 GB
Mobile devices	• Apple iPhone • Apple iPad • Android smartphone • Android tablet • Windows tablet

4.1.2 Software requirements

Category	Supported software
Technology platform	The following technology platform software is supported for LiquidOffice Server, Process Studio, Management Console, and Form Designer: • Java SE 11 Oracle JDK • Java SE 11 OpenJDK • Java SE 12 Oracle JDK • Java SE 12 OpenJDK • Java SE 13 Oracle JDK • Java SE 13 OpenJDK • Java SE 14 Oracle JDK • Java SE 14 OpenJDK • Java SE 15 Oracle JDK • Java SE 15 OpenJDK • Java SE 16 Oracle JDK • Java SE 16 OpenJDK • Java SE 17 Oracle JDK • Java SE 17 OpenJDK 📄 **Note** LiquidOffice bundles Java only with the Management Console and Process Studio installers, otherwise Java must be installed separately. Form Designer requires Java for publishing. If multiple installations of Java are found, Form Designer determines which Java installation to use by searching the following locations, stopping with the first one found: • Java pointed to by LFD_JAVA_HOME. • Most current installed Java 64-bit system. • Java pointed to by JAVA_HOME.

Category	Supported software
Database management system	- Microsoft SQL Server 2012 - Microsoft SQL Server 2014 - Microsoft SQL Server 2016 - Microsoft SQL Server 2017 - Microsoft SQL Server 2019 - Oracle Database 12c - Oracle Database 18c - Oracle Database 19c - PostgreSQL 10.x - PostgreSQL 11.x - PostgreSQL 12.x - PostgreSQL 13.x - PostgreSQL 14.x - Apache Derby 10.x
Directory server	- Microsoft Active Directory 2012 - Microsoft Active Directory 2016 - Microsoft Active Directory 2019 - Microsoft Active Directory 2022 - OpenText Directory Services 16.x - OpenText Directory Services 20.x - OpenText Directory Services 21.x - IBM Tivoli Directory Server 6.x

Category	Supported software
Content management system	- OpenText Content Server 16.x - OpenText Content Server 20.x **Note** The following patches must be applied to OpenText Content Server 20.2 for it to be supported with LiquidOffice: - Patch number 162002232 - Patch number 162002735 - OpenText Content Server 21.x - OpenText Content Server 22.1 - Microsoft SharePoint 2016 - Microsoft SharePoint 2019 - Meridio 5.x (Deprecated as of version 20.2 and later) - WorkSite 9.x (Deprecated as of version 20.2 and later)
Application server (for presentation layer)	- Apache Tomcat 8.5 - Apache Tomcat 9.0 - IBM WebSphere Liberty 20 - Oracle WebLogic 14c
Browser—desktop	- Microsoft Edge version 90 and later - Microsoft Internet Explorer 11 - Mozilla Firefox 91 and later - Apple Safari 14 and later - Google Chrome 90 and later Browsers have restrictions on their use. For more information about browser support, see the LiquidOffice Administrator Guide.

Category	Supported software
Browser—mobile	- Apple Safari 12.5 and later - Android browser 9.0 and later - Samsung Internet Browser 14 and later - Google Chrome 90 and later - Microsoft Edge version 90 and later - Microsoft Internet Explorer 11 Browsers have restrictions on their use. For more information about browser support, see the LiquidOffice Administrator Guide. **Note** For more information on designing forms for mobile devices, see Form Designer User Guide.
PDF reader—desktop	Adobe Acrobat Reader DC 17.x and later **Note** For information about configuring browsers to display a PDF using the Adobe Reader plug-in, see the Adobe Acrobat User Guide. **Note** Native browser PDF readers, such as those supplied by Google Chrome and Mozilla Firefox, do not support the ability to communicate with a server.
PDF reader—mobile	None
Office applications	- Microsoft Outlook 2016 - Microsoft Outlook 2019 - Microsoft Outlook 2021
Integrated development environment for dynamic forms client	Eclipse 4.16-4.23
Build tool for SDK samples	Apache Ant 1.10.9 and later

4.2   OpenText product compatibility

This section provides details about which versions of other OpenText products are compatible with this release of OpenText LiquidOffice 22.2.

Note

For the latest compatibility information for OpenText products, refer to the Compatibility Matrix (https://knowledge.opentext.com/go/matrix) on OpenText My Support.

Product name	Version	Notes
OpenText TeleForm	11.2 16.x 20.3 22.1	Formerly known as HP TeleForm, Autonomy TeleForm, and Cardiff TeleForm
OpenText Content Server	16.x 20.x 21.x 22.1	The following patches must be applied to OpenText Content Server 20.2 for it to be supported with LiquidOffice: • Patch number 162002232 • Patch number 162002735
OpenText Content Server eForms Management	16.0.0	• OpenText Content Server eForms Management is supported only on Microsoft Windows. • OpenText Content Server integration that enables LiquidOffice forms to be used with a Content Server workflow.
OpenText MediaBin	16.2	—
OpenText Directory Services (OTDS)	16.x 20.x 21.x 22.1	—

4.3   Language support

OpenText LiquidOffice is currently localized in the following languages. Future releases may add additional languages.

Component		EN	ES	DE	FR	JA	PT-BR
LiquidOffice		B	UI	UI	UI	UI	UI

UI = user interface only
B = both user interface and online help

5   Installation and upgrade notes

This section provides additional installation and upgrade information, including related or third-party product information and any required critical patches.

5.1   Installation notes

Before you install OpenText LiquidOffice, review these additional installation notes and verify related product or third-party product requirements.

Feature	Note
Form issues	If you encounter any issues with forms after upgrading, you should republish the affected forms.
Server-side JavaScript scripts	As of version 21.2, the server-side JavaScript engine has been updated to version 1.7.11 which could have incompatibility with current scripts. If you are upgrading from a version prior to 21.2, customers are advised to test all server-side JavaScript scripts they might have, to ensure they continue to work as expected.
OTDS	If you are currently using OTDS and upgrading from LiquidOffice 16.2 to a later version, you must configure OTDS synchronization. For more information about configuring the OTDS synchronization, see Management Console User Guide.
BeanShell	As of release 16.7, BeanShell now follows block scope rules as per Java for variables. Variables typed or untyped are only accessible inside the block where they were declared.
Tomcat AJP connector	The Tomcat AJP connector has been disabled to enhance security for fresh and upgrade installations . If you use NTLM SSO, refer to readme.htm under <LiquidOffice_installdir_ ServerResources>/SDK/Samples/SingleSignOn/NTLM for changes you need to make.
Single sign-on (SSO)	If you're using single sign-on (SSO) with SSOStaticBean, to ensure that your environment works as expected and remains secure, you must set the Public URL Base server setting in Management Console. This set up is required if one of the following is true: Your LiquidOffice presentation server is deployed on a separate machine You have a non-standard deployment in which the SSOStaticBean does not automatically build the proper URL to redirect back to LiquidOffice If you're using SSO with RemoteBean, to ensure that your environment is secure, you must deploy the remoteloserver.properties file to the SSO host and set a property inside the file to the URL to be used by the RemoteBean to redirect back to LiquidOffice. For more information about using single sign-on with SSOStaticBean and RemoteBean, see Programming Guide.

Feature	Note
Apache Tomcat Connector for IIS	The Apache Tomcat Connector for IIS (isapi_redirect.dll) in the NTLM SSO SDK sample has been upgraded to enhance security. If you are using the Tomcat connector for single sign-on, update to use the latest version.
Forms with tables	Changes have been implemented in the 20.2 release to help enhance the security of forms that contain tables. To take advantage of these changes, you must republish any existing forms, published prior to the 20.2 release, that contain tables.
Java 13 or later	We've observed in some circumstances that LiquidOffice Server running on Java 13 or later may require more system resources than when running on previous versions of Java. If you plan to upgrade the version of Java that you use, OpenText recommends testing your application to understand if there is an impact.
Offline functionality	The technology used to store downloaded forms in Mobile Portal has been replaced in the 21.2 release for improved compatibility with browsers. If you are upgrading from a version prior to the 21.2 release, prior to the upgrade, on each workstation where Mobile Portal is used OpenText recommends completing the following steps to ensure no work in progress is lost and the technology can be updated: • Submit all existing local assignments to server. • Empty the browser storage and close all browser windows. • Download the Local forms afresh before switching to offline mode.

6   Fixed issues

This section provides information about past issues that have been fixed in this release.

Issue number	Issue description
LO-13779	Event Log display broken if Installer installs lowercase username for Oracle.
LO-24773	Form forwarding doesn't work if the forwarding target is a work queue
LO-24770	'String or binary data would be truncated' error when group is updated in LiquidOffice.
LO-14646	Attachments are not appearing correctly in email.
LO-24366	Dynamic tables with list boxes that have items with back slash character not rendered correctly.
LO-24456	Unable to download Form Designer, Management Console or Studio when presentation and process servers are different.
LO-24290	Expression is shown as 'Invalid' in the German version of Expression Builder of Process Studio.

Issue number	Issue description
LO-18704	Form submission could fail when using Content Server Process connect agent and forms include multi-line text fields with a carriage return.
LO-23406	Attachment Manager allows invalid characters to be included in the title value field.
LO-25594	The round corner option is not available in Form Designer for German or Japanese Language

7 Known issues

The following known issues exist in this release.

Issue number	Issue description
LO-17866	Attachment lists do not appear correctly in flattened PDF files.
LO-18201	Attachment lists do not appear correctly on mobile browsers.
LO-18846	The installer does not auto-detect the location of Java JDK 11 and later. You must manually select the location of your JDK installation.
LO-19656	Unable to upgrade installed versions of Process Studio and Management Console
LO-19701	Process Studio and Management Console do not get completely uninstalled if they are installed in any location other than the default location used by the installer.
LO-22049	Under certain conditions, if you are using Java 12 and later with a LiquidOffice cluster, you may see frequent member disappeared messages in the log. This does not cause any issues. If the frequent messages are a concern, you may increase the heartbeat reception timeout as follows. On each member of the cluster: Open server.xml in <LO_install_dir>/Server/xmlbase/conf/. Find the Membership element and increase the value of its dropTime attribute. For example increase the value in increments of 1000 and test to determine if this reduces the number of log messages. Save the changes. Restart the LiquidOffice server.
LO-23711	With Content Server 20.x, it is recommended that you use Java version 11 and later. When Content Server is deployed on Tomcat and eforms.war is deployed on Tomcat with Java version 11 or later, eForms Management does not work properly and exceptions are displayed. OpenText Content Server eForms Management is supported only on Microsoft Windows.

Issue number	Issue description
LO-23801	If you publish a form to LiquidOffice server that contains a drop-down list that allows free entry, when the form is opened using the Samsung internet browser for Android and a user attempts to enter data into the free entry option, the Free entry doesn't work. The same functionality works as expected in both Chrome and Firefox browser for Android.

8 Contact information

OpenText Corporation
275 Frank Tompa Drive
Waterloo, Ontario
Canada, N2L 0A1

OpenText My Support: https://support.opentext.com

For more information, visit www.opentext.com