



# **OpenText™ LiquidOffice**

## **Release Notes**

OpenText LiquidOffice Documentation

Release 16.4.1

**OpenText™ LiquidOffice**

**Release Notes**

Rev.: October 2018

**This documentation has been created for software version 16.4.1.**

It is also valid for subsequent software versions as long as no new document version is shipped with the product or is published at <https://knowledge.opentext.com>.

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# 1 Introduction

These Release Notes provide an overview of LiquidOffice 16.4.1, 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 the OpenText My Support site (<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 revision
October 2018	First release	All new content
October 2018	Software requirements	Corrected technology platform software requirements for Studio and Management Console; JRE is required not JDK.

## 2 About OpenText LiquidOffice

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.

LiquidOffice includes the following key features:

Key Feature	Description
<b>Electronic form design</b>	Quickly design intelligent web and PDF forms to collect information and documents for routing to people and systems, and integrate into business processes.
<b>Anywhere / anytime access</b>	Enable users to access forms and perform tasks from web, mobile, and integrated user interfaces.
<b>Ad hoc routing</b>	Simplify review and approval processes with user-driven ad hoc routing of forms, information, and documents.
<b>Process modeling</b>	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.
<b>Business activity monitoring</b>	Enable decision-makers to monitor business processes and understand what's happening across an organization by using analytics to optimize performance.
<b>Integrated solutions</b>	Manage processes from end to end by taking advantage of integration with OpenText TeleForm, OpenText Content Server, databases, and content management systems.
<b>Audit and security</b>	Securely connect employees, customers, and partners inside and outside an organization with authenticated access to forms and audit trails of activity.
<b>Enterprise solution</b>	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

LiquidOffice 16.4.1 has new features that improve the form design experience, and add support for new platforms.

## 2.1.1 PDF import improvements

PDF import has been updated to include the following changes:

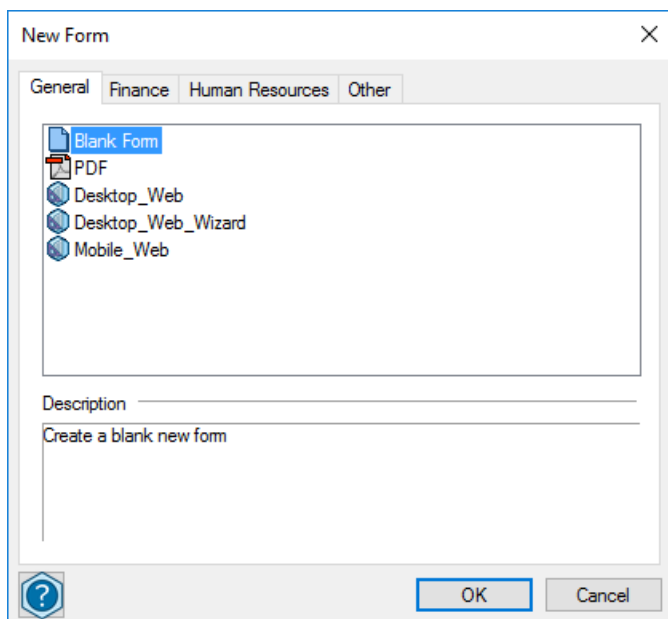
- When you import a PDF form into Form Designer, you can now immediately publish the imported content as an HTML form and it will appear and work as expected. The original PDF form is converted to a PNG image that is used as a background image in the HTML form.
- PDF import has been updated to support 64-bit JRE.
- PDF Import no longer requires that Ghostscript be installed. It is now always enabled.
- When the same PDF field exists on multiple pages, the field is imported on each page and given a new name (appended with `_1`, `_2`, and so on)
- Radio groups now import all of the buttons.
- Lists and drop-lists now import the list items.

## 2.1.2 Button color configuration

When designing a form, the button background color and border color can now be configured in form properties.

## 2.1.3 Updates to Form Templates list appearance

When you view the list of Form Templates in Form Designer while creating a new form, you can now see a simple list that shows complete form names.



## 2.1.4 Other updates

- Template forms have been updated to include the latest design features, such as button background and border colors.
- In Portal, the **Copy link to HTML form** option and **Copy link to PDF form** option are now supported when working from an iOS browser.
- Updates have been included to enhance security and help prevent potential security vulnerabilities.

## 2.1.5 Updated platform support

LiquidOffice has updated support for the following platforms:

- Content Server 16.2.4
- PostgreSQL 10.x
- Tomcat 8
- Tomcat 9
- Eclipse 4.7 (Oxygen)
- Eclipse 4.8 (Photon)
- Solaris 11

- Oracle Java SE JDK 10
- Oracle Java SE JRE 8 64-bit (for publishing forms in Form Designer)

## 2.1.6 Updated Embedded Technology

The following changes to embedded technologies are included in this release:

- TomEE 7.0.5

## 2.2 Discontinued and deprecated features

The following features have been discontinued or deprecated.

### 2.2.1 Discontinued platforms

LiquidOffice has discontinued support for the following platforms:

- Microsoft Windows Server 2012 (R2 is still supported)
- Microsoft Windows 8.1 (Mobile only)
- Oracle Database 11g
- Novell eDirectory 8.x
- Sun Java System Directory Server
- Apache Tomcat 7.x



## 3 Packaging and documentation

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

### 3.1 Documentation updates

The following updates have been made to the documentation:

- The documentation has been updated with enhancement information for the current release.
- For the Content Server export connect agent, to ensure that you can locate the appropriate information about updating Content Server for use with data exports, additional context and cross-references have been added to the documentation.

## 4 Supported environments and compatibility

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

### 4.1 LiquidOffice system requirements

This section describes the system requirements for installing OpenText LiquidOffice.

- ["Operating system requirements" below](#)
- ["Hardware requirements" on the next page](#)
- ["Software requirements " on page 9](#)
- ["Browser plugin support" on page 11](#)
- ["Internet Explorer limitations" on page 12](#)

#### 4.1.1 Operating system requirements

Category	Operating system
Server	<ul style="list-style-type: none"><li>• Microsoft Windows Server 2012 R2</li><li>• Microsoft Windows Server 2016</li><li>• Oracle Solaris 10</li><li>• Oracle Solaris 11</li><li>• Red Hat Enterprise Linux 6.5 and later</li><li>• Red Hat Enterprise Linux 7.x</li></ul>
Desktop client	<ul style="list-style-type: none"><li>• Microsoft Windows 7 SP1</li><li>• Microsoft Windows 8.1</li><li>• Microsoft Windows 10</li><li>• Apple macOS 10.10 and later (except Form Designer and Data Client)</li></ul>

Category	Operating system
Mobile client	<ul style="list-style-type: none"> <li>• Apple iOS 9 and later</li> <li>• Android 4.4 and later</li> <li>• Microsoft Windows 10</li> </ul>

## 4.1.2 Hardware requirements

Category	Minimum hardware requirements
Process and presentation server hardware	<ul style="list-style-type: none"> <li>• RAM—4 GB</li> <li>• Hard Drive—1GB free disk space</li> </ul>
Database server hardware	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p><b>Note:</b> These are general guidelines for using a database in a LiquidOffice environment. For information about the specific requirements for the database that you use, see the documentation for your database.</p> </div> <ul style="list-style-type: none"> <li>• Processor—                             <ul style="list-style-type: none"> <li>• <b>Minimum:</b> 4 physical processors</li> <li>• <b>Recommended:</b> 8 or more physical processors</li> </ul> </li> <li>• RAM—8GB</li> <li>• Hard Drive—<b>Recommended:</b> Striped across at least 2 physical drives + redundancy. (Implies 4 physical drives and RAID 1+0)</li> </ul>
Development workstation hardware	<ul style="list-style-type: none"> <li>• RAM—1GB</li> <li>• Hard Drive—1 GB</li> </ul>
Mobile devices	<ul style="list-style-type: none"> <li>• Apple iPhone</li> <li>• Apple iPad</li> <li>• Android smartphone</li> <li>• Android tablet</li> <li>• Windows tablet</li> </ul>

### 4.1.3 Software requirements

Category	Supported software
Technology platform	<ul style="list-style-type: none"> <li>• Server—                             <ul style="list-style-type: none"> <li>• Java SE 8 Oracle JDK (32-bit and 64-bit)</li> <li>• Java SE 10 Oracle JDK</li> </ul> </li> <li>• Studio—                             <ul style="list-style-type: none"> <li>• Java SE 8 Oracle JRE (32-bit and 64-bit)</li> <li>• Java SE 10 Oracle JRE</li> </ul> </li> <li>• Management Console—                             <ul style="list-style-type: none"> <li>• Java SE 8 Oracle JRE (32-bit and 64-bit)</li> <li>• Java SE 10 Oracle JRE</li> </ul> </li> <li>• Form Designer—                             <ul style="list-style-type: none"> <li>• Java SE 8 Oracle JRE (32-bit and 64-bit)</li> <li>• Java SE 10 Oracle JRE</li> </ul> </li> </ul> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"> <p><b>Note:</b> LiquidOffice does not bundle Java, so Java must be installed separately. Java can be downloaded from the Oracle website. An Oracle.com account might be required to access older versions of Java in the Oracle Java Archive.</p> <p>Form Designer requires Java for publishing. Normally, Form Designer will detect and use the most current supported public system JRE that is installed. If a public JRE is not installed, and a private JRE is desired, you can set an environment variable to the location of the other JRE. Form Designer determines the JRE to use by searching the following locations, stopping with the first one found:</p> <ol style="list-style-type: none"> <li>1. Most current supported public system JRE</li> <li>2. LFD_JAVA_HOME environment variable</li> <li>3. JAVA_HOME environment variable</li> </ol> </div>
Database management system	<ul style="list-style-type: none"> <li>• Microsoft SQL Server 2012</li> <li>• Microsoft SQL Server 2014</li> <li>• Microsoft SQL Server 2016</li> <li>• Oracle Database 12c</li> <li>• PostgreSQL 9.4 and later, 10.x</li> <li>• Apache Derby 10.x</li> </ul>

4 Supported environments and compatibility

Category	Supported software
Directory server	<ul style="list-style-type: none"> <li>• Microsoft Active Directory 2012 and 2016</li> <li>• OpenText Directory Services 16.x</li> <li>• Oracle Internet Directory</li> <li>• IBM Tivoli Directory Server 6.x</li> </ul>
Content management system	<ul style="list-style-type: none"> <li>• OpenText Content Server 16.x</li> <li>• Microsoft SharePoint 2016</li> <li>• Meridio 5.x</li> <li>• WorkSite 9.x</li> </ul>
Application server (for presentation layer)	<ul style="list-style-type: none"> <li>• Apache Tomcat 8.x, 9.x</li> <li>• WebSphere 8.x</li> <li>• Oracle WebLogic 12c</li> </ul>
Browser—desktop	<p>Browsers marked with an asterisk (*) have restrictions on their use. For information about browser restrictions, see <a href="#">"Browser plugin support" on the next page</a> and <a href="#">"Internet Explorer limitations" on page 12</a>.</p> <ul style="list-style-type: none"> <li>• Microsoft Edge 20 and later*</li> <li>• Microsoft Internet Explorer 11*</li> <li>• Mozilla Firefox 52 and later</li> <li>• Apple Safari 11 and later</li> <li>• Google Chrome 55 and later*</li> </ul>
Browser—mobile	<p>Browsers marked with an asterisk (*) have restrictions on their use. For information about browser restrictions, see <a href="#">"Browser plugin support" on the next page</a> and <a href="#">"Internet Explorer limitations" on page 12</a>.</p> <ul style="list-style-type: none"> <li>• Apple Safari 9 and later*</li> <li>• Android browser 5.0 and later*</li> <li>• Google Chrome 55 and later*</li> <li>• Microsoft Edge 20 and later*</li> <li>• Microsoft Internet Explorer 11*</li> </ul> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p><b>Note:</b> For more information on designing forms for mobile devices, refer to the <b>Form Designer User Guide</b>.</p> </div>

Category	Supported software
PDF reader—desktop	<p>Adobe Acrobat Reader DC 15.x and later</p> <div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;"> <p><b>Note:</b> To configure browsers to use the Adobe Reader plug-in, refer to <a href="https://helpx.adobe.com/acrobat/using/display-pdf-in-browser.html">https://helpx.adobe.com/acrobat/using/display-pdf-in-browser.html</a></p> </div> <div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;"> <p><b>Note:</b> Native browser PDF readers, such as those supplied by Google Chrome and Mozilla Firefox, do not support the ability to communicate with a server.</p> </div>
PDF reader—mobile	None
Office applications	Microsoft Outlook 2013 or 2016 (for Microsoft Outlook integration)
Integrated development environment for dynamic forms client	<ul style="list-style-type: none"> <li>• Eclipse 4.6 (Neon)</li> <li>• Eclipse 4.7 (Oxygen)</li> <li>• Eclipse 4.8 (Photon)</li> </ul>

## 4.1.4 Browser plugin support

Certain functionality within OpenText LiquidOffice requires the use of browser plugins, which are not supported by all browsers:

- PDF forms require the use of the Adobe Reader browser plugin. PDF forms rely on Acroforms technology, which is only available through the Adobe product, and not through browsers' built-in PDF readers.
- Bar codes on HTML forms are implemented via a Java applet, which require the Java browser plugin. Without the Java plugin, bar codes will not be displayed.

The following table summarizes browser support for plugins:

Browser	Plugin Support
Microsoft Internet Explorer	Supported
Microsoft Edge	Not supported
Mozilla Firefox	Not supported. Mozilla ended support for NPAPI plugins in version 52.
Google Chrome	Not supported. Google ended support for NPAPI plugins in version 45.
Apple Safari	<ul style="list-style-type: none"> <li>• Supported on Safari version 11 and earlier. Apple ended support for NPAPI plugins in version 12.</li> <li>• Not supported on iOS.</li> </ul>

Browser	Plugin Support
Android browser	Not supported

## 4.1.5 Internet Explorer limitations

Feature	Limitations
Compatibility View	<p>Turning off Compatibility View is strongly recommended. Customers will be limited to simple forms with Compatibility View turned on.</p> <p>To clear the Compatibility View Setting in Internet Explorer, go to <b>Tools &gt; Compatibility View settings</b>, clear the <b>Display intranet sites in Compatibility View</b> option, and then click <b>Close</b>.</p>
Protected Mode	<p>For Java applets, such as the barcode control on forms, Protected Mode must be turned off.</p> <p>To clear the Protected Mode option:</p> <ol style="list-style-type: none"> <li>1. Go to <b>Tools &gt; Internet Options &gt; Security</b> tab.</li> <li>2. Clear the <b>Enable Protected Mode</b> option, and then click <b>OK</b>.</li> </ol>
Enhanced Protected Mode	<p>PDF forms with 64-bit versions of Internet Explorer require clearing Enhanced Protected Mode.</p> <p>To clear the Enhanced Protected Mode option:</p> <ol style="list-style-type: none"> <li>1. Go to <b>Tools &gt; Internet Options &gt; Advanced</b> tab.</li> <li>2. Under the settings in the <b>Security</b> group, clear the <b>Enable Enhanced Protected Mode</b> option, and then click <b>OK</b>.</li> </ol>
Metro Mode	Metro Mode is not supported, although it might work for simple forms.
Enterprise Mode	Enterprise Mode is not supported since it emulates IE8, which is not supported.

## 4.2 LiquidOffice product compatibility

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

**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	Formerly known as HP TeleForm, Autonomy TeleForm, and Cardiff TeleForm
OpenText Content Server	16.x	Currently at 16.2.4
OpenText Content Server eForms Management	16.0.0	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	—

### 4.3 Language support

LiquidOffice is currently localized in the following languages. Additional languages may be available in future releases.

Component	Languages					
	EN	ES	DE	FR	JA	PT-BR
LiquidOffice UI	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 LiquidOffice, review these additional installation notes and verify related product or third-party product requirements.

Portal and 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. Moving forward, new features are planned only for the Portal and not for the Web Desktop. Future releases are unlikely to include the Web Desktop. Customers are advised to migrate users from using the Web Desktop to the Portal.
Form issues	If you encounter any issues with forms after upgrading, you should republish the affected forms.
Java Compatibility	<p>As of Java 8, the JDBC/ODBC bridge has been removed, which breaks the JDBC/ODBC connect agent after you upgrade to Java 8 or later. To ensure that your JDBC/ODBC connect agent works correctly after upgrading to Java 8 or later, you must copy the JDBC/ODBC bridge from Java 7. For more information about how to copy the JDBC/ODBC bridge, see the <i>Management Console User Guide</i>.</p> <p>Management Console and Process Studio might not launch (<code>com.sun.deploy.net.FailedDownloadException</code>) when using some versions of Java 8, and an automatic proxy configuration script, which is defined under network settings. In this case, you can configure an explicit proxy server instead of using an automatic proxy configuration script.</p> <p>Java 8 drops support for permanent memory generation, and the <code>MaxPermSize</code> startup option. With default settings in the startup scripts, you see a warning in the log after server shutdown: "Java HotSpot (TM) 64-Bit Server VM warning: ignoring option <code>MaxPermSize=256m</code>; support was removed in 8.0." This warning is harmless and you may ignore it.</p>
OTDS	If you are currently using OTDS and upgrading from LiquidOffice 16.2 to a later version, you must configure your OTDS synchronization as described in <i>OpenText LiquidOffice Management Console User Guide</i> .

## 6 Fixed issues

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

Issue number	Issue description
LO-12004	When the form view is scaled (for example an 80% view), Ink pictures do not work as expected.
LO-13021	When a form is viewed on a mobile device, and the view is scaled (for example, using a pinch zoom), drawings in Ink pictures do not appear as expected.
LO-13707	When you add a row to a dynamic table and then try to draw in an Ink picture, the strokes are not recognized and the Ink picture remains blank.
LO-15100	When importing PDF forms into Designer, radio groups and droplist options are not imported as expected.
LO-15483	PDF forms with signature fields cause Adobe Acrobat/Reader DC Classic to crash. This issue does not exist in Adobe Acrobat/Reader and Acrobat/Reader DC Continuous.
LO-17357	When signing a signature field, if the signature field covers a radio group has no value selected, then the radio group will automatically select the first option.
LO-17418	Opening a form of a form task in a clustered server might fail if a cluster node loses and later regains connectivity to the cluster.
LO-17710	When you preview an HTML form in Chrome 64, you receive unexpected CSS errors and the form does not appear as expected.
LO-17775	In Chrome, if a form is viewed with a 100% zoom, and the form is not scrolled to the top, when you draw in the ink picture area, the drawing does not appear where the mouse cursor is positioned.
LO-17809	After the form is submitted, drop lists in form table rows that are added dynamically in the CSForm_OnValidateLookup entry point are missing their selected values.
LO-18229	When you create a form that contains an ink picture that is located at the bottom of the page, the Ink Picture does not work when the form is opened in a Chrome browser.
LO-18242	In Portal, the Share menu is disabled for dynamic forms.
LO-18278	When an image is added using a button with the <b>Add file attachment</b> action, Image Viewer does not display the image.
LO-18433	Script error popup appears when using Outlook integration.
LO-18478	When the presentation server is deployed on a separate server, you are unable to access LiquidOffice login page.
LO-18519	When the presentation server is deployed on a separate server, PDF forms do not open.
LO-18770	In HTML forms, if you set a background image with the <b>Image type</b> of <b>Tile</b> , the image does not appear.

Issue number	Issue description
LO-18796	When adding attachments using the form attachments manager in Chrome, the upload fails unexpectedly.
LO-18823	When the server uses PostgreSQL, exceptions appear in the event log on system cleanup.
LO-18940	When using the Content Server Process Connect Agent, negative values of numerical fields on a form are changed to positive values upon form submission.

## 7 Known issues

This section provides information about known issues in this release.

Issue number	Issue description
LO-17537	In some situations, customers might notice a degradation of performance in LiquidOffice 16.2, 16.4, and 16.4.1 compared to 7.8. As always, prior to upgrading a production environment, customers are advised to upgrade a test environment and to include performance testing that reproduces a typical load to understand if there is an impact.
LO-17866	Attachment lists do not appear correctly in flattened PDF files.
LO-18194	If you publish sample forms with the default maximum attachment size of 5MB, some sample forms might not be published. To ensure that you can publish a sample form, you can increase the <b>Max Attachments Size</b> server setting in the Management Console. In future releases, the default value will be increased to 20MB.
LO-18201	Attachment lists do not appear correctly on mobile browsers.
LO-18724	When running the server on Java 10, messages like the following appear in the event log at the server startup:  <code>Unable to determine if command class: java/lang/Object</code>  These messages can be safely ignored
LO-18846	The installer does not auto-detect the location of Java JDK 10.  You must manually select the location of your Java system.

## 8 Contact information

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

For more information, visit [www.opentext.com](http://www.opentext.com)