



LiveContent S1000D Publishing Server Installation and Upgrade Manual

LiveContent S1000D 5.12

August 2022

Legal notice

Copyright and trademark information relating to this product release.

Copyright © 2009–2021 SDL as part of the RWS Holdings Plc group of companies ("RWS Group").

SDL means SDL Limited and its subsidiaries and affiliates. All intellectual property rights contained herein are the sole and exclusive rights of SDL. All references to SDL shall mean SDL Limited and its subsidiaries and affiliates details of which can be obtained upon written request.

All rights reserved. Unless explicitly stated otherwise, all intellectual property rights including those in copyright in the content of this website and documentation are owned by or controlled for these purposes by SDL. Except as otherwise expressly permitted hereunder or in accordance with copyright legislation, the content of this site, and/or the documentation may not be copied, reproduced, republished, downloaded, posted, broadcast or transmitted in any way without the express written permission of SDL.

LiveContent S1000D is a registered trademark of SDL. All other trademarks are the property of their respective owners. The names of other companies and products mentioned herein may be the trademarks of their respective owners. Unless stated to the contrary, no association with any other company or product is intended or should be inferred.

This product may include open source or similar third-party software, details of which can be found by clicking the following link: "Acknowledgments " on page 13 .

Although RWS Group takes all reasonable measures to provide accurate and comprehensive information about the product, this information is provided as-is and all warranties, conditions or other terms concerning the documentation whether express or implied by statute, common law or otherwise (including those relating to satisfactory quality and fitness for purposes) are excluded to the extent permitted by law.

To the maximum extent permitted by law, RWS Group shall not be liable in contract, tort (including negligence or breach of statutory duty) or otherwise for any loss, injury, claim liability or damage of any kind or arising out of, or in connection with, the use or performance of the Software Documentation even if such losses and/or damages were foreseen, foreseeable or known, for: (a) loss of, damage to or corruption of data, (b) economic loss, (c) loss of actual or anticipated profits, (d) loss of business revenue, (e) loss of anticipated savings, (f) loss of business, (g) loss of opportunity, (h) loss of goodwill, or (i) any indirect, special, incidental or consequential loss or damage howsoever caused.

All Third Party Software is licensed "as is." Licensor makes no warranties, express, implied, statutory or otherwise with respect to the Third Party Software, and expressly disclaims all implied warranties of non-infringement, merchantability and fitness for a particular purpose. **In no event will Licensor be liable for any damages, including loss of data, lost profits, cost of cover or other special, incidental, consequential, direct, actual, general or indirect damages arising from the use of the Third Party Software or accompanying materials, however caused and on any theory of liability. This limitation will apply even if Licensor has been advised of the possibility of such damage. The parties acknowledge that this is a reasonable allocation of risk.**

Information in this documentation, including any URL and other Internet website references, is subject to change without notice. Without limiting the rights under copyright, no part of this may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of RWS Group.

Contents

1	Installing LiveContent S1000D Publishing Server	1
	Installing Publishing Server on a Windows system	2
	Installing Publishing Server on a Linux system	3
2	LiveContent S1000D Publishing Server product verification	5
	Sample data for product verification	6
	Sample delivery and support	6
	Generating content	7
	Generating content in Windows	7
	Generating content in Linux	7
	Viewing content in LiveContent S1000D	8
	Packaging content onto a CD/DVD-ROM deliverable	9
3	Uninstalling LiveContent S1000D Publishing Server	11
	Uninstalling Publishing Server on a Windows system	12
	Uninstalling Publishing Server on a Linux system	12
A	Acknowledgments	13



1

Installing LiveContent S1000D Publishing Server

Depending on your operating system, install the Publishing Server on a Windows or on a Linux machine.

Installing Publishing Server on a Windows system

Perform the following steps to install the Publishing Server on a Microsoft Windows machine.

About this task

Beginning with version 5.3, LiveContent S1000D is a 64-bit application. Therefore, there is no upgrade path from earlier versions; to move from version 5.2 or earlier, you must do a full install and republish your IETPs.

Important: The LiveContent S1000D installer supports multiple Java versions from multiple vendors. If the installation program cannot detect the location of the minimum required JRE file, an error message is displayed and the user prompted to enter the location.

Procedure

1. Log on the server as a user with administrator privileges.
2. Use Windows to extract the installation ISO file to the file system or use a third-party tool to mount the ISO as a disc.
3. Launch the installer by right-clicking the `install.exe` executable file, then select **Run as Administrator**. The installation program begins, displaying an introduction panel.
4. In the **Introduction** panel, select **Next**.
5. In the **Choose Install Folder** panel, enter the path to install the LiveContent S1000D program executables and libraries into, and select **Next**.
6. In the **Choose Location of Java Runtime Environment** panel, enter the path to the JRE and select **Next**.
7. To specify the workspace area where you generate your technical manuals, customize the application and package your CD/DVD-ROM deliverables, do one of the following in the **Choose Application Data Folder** panel:
 - Select **All Users** to make application data available to all users that log on this computer.
 - Select **Current User** to only make application data available to the user who is currently logged in.
 - Select **Choose Directory** to specify a directory in which you determine access permissions, select **Next**, select **Choose** to specify the application data folder, select **Next**, and select a group of users in the **Shortcuts Access** panel to grant access to this folder.
8. Select **Next**.
9. Review your settings in the **Pre-Installation Summary** panel, then select **Install** and

wait for the installation to finish.

10. Click **Done**.

Results

The LiveContent S1000D Publishing Server is installed. The installation includes the following user accounts:

- An administrator account called `admin` with initial password `admin`
- A guest account called `guest` with initial password `guest`

Tip: If you need to troubleshoot the installation, you can examine the log file located at:

```
<LiveContent_Home>\Uninstall_LiveContent\Logs
```

For example:

```
<C:\Program Files\XyEnterprise\LiveContent\Uninstall_LiveContent  
\Logs\LiveContent_Install_11_12_2015_04_51_21.log>
```

Installing Publishing Server on a Linux system

Perform the following steps to install the Publishing Server on a Linux machine.

About this task

Beginning with version 5.3, LiveContent S1000D is a 64-bit application. Therefore, there is no upgrade path from earlier versions; to move from version 5.2 or earlier, you must do a full install and republish your IETPs.

Important: The LiveContent S1000D installer supports multiple Java versions from multiple vendors. If the installation program cannot detect the location of the minimum required JRE file, an error message is displayed and the user prompted to enter the location.

Procedure

1. Log on to the server as root.
2. Mount the installation ISO file as follows.
 - a. From the command prompt, type: `mkdir /mount-point` (where *mount-point* is the name of the directory where you will mount the ISO).
 - b. Use the `cd` command to navigate to the directory containing the ISO file.
 - c. Type: `mount -t iso9660 -o loop cdrom.iso /mount-point` (where *cdrom.iso* is the

name of the ISO file and *mount -point* is the full path to the directory where the ISO is mounted.

3. Navigate to the `Linux` folder.
4. Run `sh install.bin`.
5. In the **Introduction** panel, select **Next**.
6. In the **Choose Install Folder** panel, enter the path to install the LiveContent S1000D program executables and libraries into, and select **Next**.
7. In the **Choose Location of Java Runtime Environment** panel, enter the path to the JRE and select **Next**.
8. In the **Choose Location of Perl** panel, enter the path to Perl and select **Next**.
9. In the **LiveContent Account** panel, enter a user and group and select **Next**.
10. To specify the workspace area where you generate your technical manuals, customize the application and package your CD/DVD-ROM deliverables, enter the path of your application data folder in the **Choose Application Data Folder** panel and select **Next**.
11. Review your settings in the **Pre-Installation Summary** panel, then select **Install** and wait for the installation to finish.
12. Click **Done**.

Results

The LiveContent S1000D Publishing Server is installed. The installation includes the following user accounts:

- An administrator account called `admin` with initial password `admin`
- A guest account called `guest` with initial password `guest`

Tip: If you need to troubleshoot the installation, you can examine the log file located at:

```
<LiveContent_Home>\Uninstall_LiveContent\Logs
```

For example:

```
<C:\Program Files\XyEnterprise\LiveContent\Uninstall_LiveContent \Logs  
\LiveContent_Install_11_12_2015_04_51_21.log>
```

2

**LiveContent S1000D
Publishing Server product
verification**

These topics provide an overview of tasks to perform to verify a successful installation or upgrade of the LiveContent S1000D Publishing Server on a Microsoft Windows or Linux operating system. For more information, refer to the LiveContent S1000D user documentation.

Sample data for product verification

RWS provides sample data (known as bike data) you can use to help verify your installation or upgrade. To do so, publish the sample data to LiveContent S1000D and compare your results to the sample IETP provided. Note that samples, by their nature, are not covered by maintenance support.

Sample delivery and support

Samples are not covered by maintenance support and are not necessarily consistent across S1000D specification versions.

Support for samples

Because the styles that RWS delivers are samples, they are not covered by maintenance support. They are delivered "as is". If you have requirements that these samples do not meet, you can enlist the help of RWS.

Typically, RWS Professional Services can meet your requirements. This may include custom style or transform modifications that necessitate changes to the publish process itself. To contact RWS Professional Services for a quote, send an e-mail to <mailto:ProServRequest@sdl.com>.

In some cases, your request may necessitate more than a customization: a change to the product itself, either as a product enhancement or because an issue in the product needs to be resolved. If your request does not constitute a customization (or if you are unsure), create a support ticket for RWS Customer Support in the [RWS Support Gateway](#).

Customer Support ensures that the appropriate parties evaluate your request, and informs you of the status of your request. Requests that go beyond customization are placed on the product backlog of the product development team and prioritized against other issues, requests for enhancements and planned product features.

Delivery and updates

Samples for LiveContent S1000D are delivered with LiveContent S1000D releases. Each release includes any additional sample development completed during that release schedule. The samples provided are not necessarily consistent across S1000D specification versions.

Generating content

The LiveContent S1000D Publishing Server Publish tool generates publications that can be displayed in the LiveContent S1000D interactive electronic technical publication, or IETP. A publication is a single technical manual, including all of its data, figures and multimedia.

Generating content in Windows

This example procedure describes how to generate the sample S1000D *Bike* publication in Windows. Refer to the LiveContent S1000D implementation documentation to learn how to generate your own publications.

About this task

Store content that you generate in the LiveContent S1000D application data directory, which defaults to %HomePath%\LiveContentData\. After generating a publication, add it to a collection that LiveContent S1000D can access.

Procedure

1. Open a command prompt.
2. Navigate to %ProgramFiles%\XyEnterprise\LiveContent\templates\conf\, a directory that contains the template configuration files.
3. Open `Windows_Test.xml` and ensure that all of the file paths in this configuration file point to the Bike publication. By default, the Bike publication is in %HomePath%\LiveContentData\publications\bike.
4. Run the LiveContent S1000D Publishing Server against this file by typing the following at the command prompt:

```
LiveContentPublish -build Windows_Test.xml
```

LiveContent S1000D Publish rebuilds the publication and prepares it for viewing within a collection.

Generating content in Linux

This example procedure describes how to generate the sample S1000D Bike publication in Linux. Refer to the LiveContent S1000D implementation documentation to learn how to generate your own publications.

About this task

Store content that you generate in the LiveContent S1000D application data directory, which defaults to `/opt/XyEnterprise/LiveContentData/`. After generating a publication, add it to a collection that LiveContent S1000D can access.

Procedure

1. Open a command console.
2. Navigate to `/opt/XyEnterprise/LiveContent/templates/conf`, a directory that contains the template configuration files.
3. Open `solaris_Test.xml` and ensure that all of the file paths in this configuration file point to the Bike publication. By default, the Bike publication is in `/opt/XyEnterprise/LiveContentData/publications/bike`.
4. Run the LiveContent S1000D Publishing Server against this file by typing the following at the command prompt:

```
../../LiveContentPublish -build Solaris_Test.xml
```

LiveContent S1000D Publish rebuilds the publication and prepares it for viewing within a collection.

Viewing content in LiveContent S1000D

When LiveContent S1000D is delivered, the `Bike` publication is ready to view. To view a publication, it must be part of a collection: a set of publications that can be viewed together. Even without a Web server, you can run the LiveContent server on Linux and test its base functionality.

Procedure

1. To view content on Microsoft Windows, navigate to **All Programs > XyEnterprise > LiveContent > LiveContent Bike IETM** to run LiveContent against the default collection.
2. Alternatively, to view content on Linux, run the LiveContent S1000D application. At a prompt, type the following (on one line) to start up the LiveContent server and let it wait for connections:

```
/opt/XyEnterprise/LiveContent/LinuxLaunch.sh  
-config /opt/XyEnterprise/LiveContentData/collections/default
```

3. When you are prompted to log in, log in as **guest**, password **guest**, click the **Bike** publication and view it in LiveContent.

Packaging content onto a CD/DVD-ROM deliverable

Use the Collection Publish tool to create a CD/DVD-ROM package out of the collection to which you have added your generated set of publications, in order to distribute them into the field.

About this task

Each collection has a unique name to identify its contents and to resolve content updates. For example, say you published and distributed a collection containing only the Bike publication and identified it as "BIKE2013". If you later update the collection with new Bike content and a Motor Bike publication, publish the updated collection with the same identifier, "BIKE2013". That way, when the newly published package encounters a client system containing an older version of "BIKE2013", it updates and installs the newest content onto the system.

Procedure

1. Open a command console.
2. On Linux, navigate to `/opt/XyEnterprise/LiveContent/`
3. Run the `CollectionPub` tool with two arguments: the name of the collection to package (say, the default collection) and the unique identifier for the deliverable you intend to create (say "BIKE2013"). For example, you might type one of the following:
 - On Microsoft Windows: `CollectionPub "F:\Program Files\XyEnterprise\LiveContentData\collections\default" "F:\Program Files\XyEnterprise\LiveContentData\cdimages\BIKE2013"`
 - On Linux: `./CollectionPub /opt/XyEnterprise/LiveContentData/collections/default /opt/XyEnterprise/LiveContentData/cdimages/BIKE2013`
4. Navigate to the `cdimages/` directory in the LiveContent application data directory, which itself defaults to one of the following:
 - On Microsoft Windows: `%HomePath%\LiveContentData\`
 - On Linux: `/opt/XyEnterprise/LiveContentData/`
5. Burn the contents of the new folder you created, but not the folder itself, to a CD/DVD-ROM.
6. Insert the CD/DVD-ROM into a Windows computer and click **Run from CD**.
7. Log in as **guest** with the password **guest**, in the LiveContent login screen.
8. Select your new publication and view it in LiveContent S1000D.

3

Uninstalling LiveContent S1000D Publishing Server

If you uninstall the Publishing Server, the program files are removed, but all application data (content, customized styles, skins and delivery packages) remains in the application data path.

Uninstalling Publishing Server on a Windows system

Uninstall Publishing Server on a Windows system by running the uninstall executable. If your machine doubles as a Delivery Server, this task also uninstalls the Delivery Server.

Procedure

1. Log on to the LiveContent S1000D server as a user with administrator privileges.
2. In Windows Explorer, navigate to the **Uninstall LiveContent** directory. This directory is the `Uninstall_LiveContent\` subdirectory of your LiveContent S1000D directory, which defaults to `%ProgramFiles%\XyEnterprise\LiveContent\`.
3. Double-click `Uninstall LiveContent S1000D.exe`.
4. In the **Uninstall LiveContent** panel, click **Uninstall**.
5. When the uninstallation process completes, click **Done**.

Uninstalling Publishing Server on a Linux system

Uninstall Publishing Server on a Linux system by running the uninstall program.

Procedure

1. Log on to the server as root.
2. Navigate to the LiveContent directory, which defaults to `/opt/XyEnterprise/LiveContent/`.
3. Navigate to the `Uninstall_LiveContent/` subdirectory.
4. At the command line, type `./Uninstall_LiveContent_S1000D` and press **Enter**.
5. In the **Uninstall LiveContent** panel, click **Uninstall** and wait for the uninstall process to finish.



Acknowledgments

LiveContent S1000D includes open source or similar third-party software.

ActiveState ActivePerl

ActivePerl is the industry-standard, commercial-grade Perl distribution used by millions of developers around the world for easy Perl installation and quality-assured code.

AdoptOpenJDK

AdoptOpenJDK provides prebuilt OpenJDK binaries from a fully open source set of build scripts and infrastructure.

Annogen

Annogen is a framework which helps you work with JSR175 Annotations. In a nutshell, Annogen generates a proxy layer in front of your Annotations.

Apache Axis2

Apache Axis2 is a Web Services / SOAP / WSDL engine, the successor to the widely used Apache Axis SOAP stack. There are two implementations of the Apache Axis2 Web services engine - Apache Axis2/Java and Apache Axis2/C.

Apache Batik SVG Toolkit

Batik is a Java-based toolkit for applications or applets that want to use images in the Scalable Vector Graphics (SVG) format for various purposes, such as display, generation or manipulation.

Apache FOP

Apache FOP (Formatting Objects Processor) is a print formatter driven by XSL formatting objects (XSL-FO) and an output independent formatter. It is a Java application that reads a formatting object (FO) tree and renders the resulting pages to a specified output. Output formats currently supported include PDF, PS, PCL, AFP, XML (area tree representation), Print, AWT and PNG, and to a lesser extent, RTF and TXT. The primary output target is PDF.

Apache Geronimo

Apache Geronimo is an open source server runtime that integrates the best open source projects to create Java/OSGi server runtimes that meet the needs of enterprise developers and system administrators.

Apache Neethi

Apache Neethi provides general framework for the programmers to use WS Policy. It is compliant with latest WS Policy specification which was published in March 2006. This framework is specifically written to enable the Apache Web services stack to use WS Policy as a way of expressing it's requirements and capabilities.

Apache XML Graphics Commons

Apache™ XML Graphics Commons is a library that consists of several reusable components used by Apache Batik and Apache FOP. Many of these components can easily be used separately outside the domains of SVG and XSL-FO.

Apache XMLSchema

XMLSchema is a lightweight Java object model that can be used to manipulate and generate XML schema representations. You can use it to read XML Schema (xsd) files into memory and analyze or modify them, or to create entirely new schemata from scratch.

backport-util-concurrent

This package is the backport of java.util.concurrent API, introduced in Java 5.0 and further refined in Java 6.0, to older Java platforms. The backport is based on public-domain sources from the JSR 166 CVS repository, the dl.util.concurrent package, and the Doug Lea's collections package.

Hammer JS

Javascript library for recognizing touch events and gestures.

InstallAnywhere

InstallAnywhere is the leading multi-platform development solution for application producers who need to deliver a professional and consistent cross installation experience for physical, virtual and cloud environments. From a single project file and build environment, InstallAnywhere creates reliable installations for on-premises platforms - Windows, Linux, Apple OS X, Solaris, AIX, HP-UX, and IBM iSeries - and enables you to take existing and new software products to a virtual and cloud infrastructure.

iTextSharp

iText is a PDF library that allows you to CREATE, ADAPT, INSPECT and MAINTAIN documents in the Portable Document Format (PDF):

- Generate documents and reports based on data from an XML file or a database
- Create maps and books, exploiting numerous interactive features available in PDF
- Add bookmarks, page numbers, watermarks, and other features to existing PDF documents
- Split or concatenate pages from existing PDF files
- Fill out interactive forms
- Serve dynamically generated or manipulated PDF documents to a web browser

iText is used by Java, .NET, Android and GAE developers to enhance their applications with PDF functionality. iTextSharp is the .NET port.

ICU (International Components for Unicode)

ICU is a mature, widely used set of C/C++ and Java libraries providing Unicode and Globalization support for software applications. ICU is widely portable and gives applications the same results on all platforms and between C/C++ and Java software.

Infonyte-DB

Infonyte-DB provides a comprehensive, lightweight solution for querying and storing large, distributed XML documents. It is based on two major components, the PDOM engine which is a persistent implementation of the W3C DOM (Document Object Model) API, and the XQL engine which is a web-aware query engine supporting the XQL query language.

iOS

iOS is a mobile operating system created and developed by Apple Inc. exclusively for its hardware.

Jalopy

Jalopy is a source code formatter/beautifier/pretty printer for the Java programming language. It is aimed to provide a full-featured, yet free alternative to the well-known

Jindent. Plug-ins for Ant, Eclipse, IDEA, JBuilder, JDeveloper, jEdit, NetBeans.

Java Runtime Environment (JRE)

This is part of Java Development Kit (JDK), a set of programming tools for developing Java applications.

JAXB

The goal of the JAXB project is to develop and evolve the code base for the Reference Implementation (RI) of JAXB, the Java Architecture for XML Binding. The JAXB specification is developed through the Java Community Process following the process described at jcp.org. This process involves an Expert Group with a lead that is responsible for delivering the specification, a reference implementation (RI) and a Technology Compatibility Kit (TCK). The primary goal of an RI is to support the development of the specification and to validate it. Specific RIs can have additional goals; the JAXB RI is a production-quality implementation that is used directly in a number of products by Oracle and other vendors.

Jettison

Jettison is a collection of Java APIs (like STaX and DOM) which read and write JSON. This allows nearly transparent enablement of JSON based web services in services frameworks like CXF or XML serialization frameworks like XStream.

Jetty

The Jetty Web Server provides an HTTP server and Servlet container capable of serving static and dynamic content either from a standalone or embedded instantiations. Starting from Jetty version 7, the Jetty webserver and other core components are hosted by the Eclipse Foundation.

JiBX

JiBX is a tool for binding XML data to Java objects. It's extremely flexible, allowing you to start from existing Java code and generate an XML schema, start from an XML schema and generate Java code, or bridge your existing code to a schema that represents the same data. It also provides very high performance, outperforming all other Java data binding tools across a wide variety of tests.

jQuery

jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.

jQuery Highlight

Highlights the search keywords/terms in a preview.

jQuery-JSON

A JSON plugin for jQuery, provides simple ways to convert to JSON and back again.

jQuery Splitter

A splitter plugin for jQuery.

jQuery UI

jQuery UI is a set of user interface interactions, effects, widgets, and themes built on top of the jQuery JavaScript Library.

jQuery UI Touch Punch

Javascript plugin for adding touch support to jQuery.

Oracle JavaBeans Activation Framework

With the JavaBeans Activation Framework standard extension, developers who use Java technology can take advantage of standard services to determine the type of an arbitrary piece of data, encapsulate access to it, discover the operations available on it, and to instantiate the appropriate bean to perform said operation(s).

Oracle JavaMail

The JavaMail API provides a platform-independent and protocol-independent framework to build mail and messaging applications. The JavaMail API is available as an optional package for use with the Java SE platform and is also included in the Java EE platform.

Red Hat Linux

Red Hat Enterprise Linux OpenStack Platform delivers an integrated foundation to create, deploy, and scale a secure and reliable public or private OpenStack cloud. Red Hat Enterprise Linux OpenStack Platform combines the world's leading enterprise Linux and the fastest-growing cloud infrastructure platform to give you the agility to scale and quickly meet customer demands without compromising on availability, security, or performance.

Saxon

Saxon is an XSLT processor for transforming XML documents into HTML, text, or other XML document types. It implements XSL Transformations (XSLT) and XML Path Language (XPath) and can be used from the command line, in an applet or a servlet, or as a module in other program.

SDI Convert

SDI Convert provides graphics file conversion for CAD, CAE, Maps, Seismic & Well Logs.

StAX

StAX is a standard XML processing API that allows you to stream XML data from and to your application. This StAX implementation is the standard pull parser implementation for JSR-173 specification.

svg-pan-zoom

JavaScript library that enables panning and zooming of an SVG in an HTML document, with mouse events or custom JavaScript hooks.

Syncro Soft Oxygen XML Author

XML editor for structured authoring.

Woden

The Woden project is an incubation sub-project of the Apache Web Services Project to develop a Java class library for reading, manipulating, creating and writing WSDL documents, initially to support WSDL 2.0 but with the longer term aim of supporting past, present and future versions of WSDL.

Woodstox

Woodstox is a high-performance validating namespace-aware StAX-compliant (JSR-173) Open Source XML-processor written in Java.

Xerces Java Parser

The Xerces Java Parser 1.4.4 supports the XML 1.0 recommendation and contains advanced parser functionality, such as support for the W3C's XML Schema recommendation version 1.0, DOM Level 2 version 1.0, and SAX Version 2, in addition to supporting the industry-standard DOM Level 1 and SAX version 1 APIs.