

Style Position Paper for Contenta S1000D and LiveContent S1000D

Contenta S1000D and LiveContent S1000D 5.11

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**Sample styles and sample data
delivered with Contenta
S1000D and LiveContent
S1000D**

Contenta S1000D and LiveContent S1000D deliver sample styles and sample data that can be put to a variety of uses.

Sample styles

Sample styles were developed to adhere to the format specified in the S1000D Issue 3.0, 4.0, 4.1, 4.2, and 5.0 specifications (Chapter 6 in each of these documents). RWS has developed these sample styles based on the specification itself; where the specification was not clear, we interpreted it or created a definition based on our aesthetic judgment.

Sample styles can be put to use at various stages of your project. For example, the following tasks can benefit from sample styles:

Testing customizations

If you have your own styles against which to test your customizations, use them. If not, sample styles may be used as part of an initial test bed for any customizations you implement.

Verifying the impact of configuration changes

If you have your own styles against which to test the impact of your configuration changes, use them. If not, sample styles can help determine the impact of your changes.

The sample styles implement the following stylistic or aesthetic decisions:

- Page numbering restarts for each data module.
- Front matter does not have chapter numbers.
- Starting with Issue 4.0, only the first letters of titles are capitalized.
- Styles were designed for PDF output rather than print. For example, chapters do not necessarily start on a right-hand page.
- For optimum results, graphics should be created at 178 mm wide and 224 mm deep, or less, for US Letter size layout, or at 170 mm wide and 225 mm deep, or less, for A4 size layout (both sizes allow for a single-line caption; you can adjust the depth for more).
- The sample PDFs represent results with a relatively small dataset.

Sample styles and products

The sample styles are intended for use with Arbortext Editor, XPP and LiveContent S1000D .

Arbortext Editor

For Arbortext Editor, sample FOSIs and Styler files are provided, intended to provide representative editorial rendering.

XPP

For XPP, sample style and XSL transformations are provided, intended to provide representative print output.

LiveContent S1000D

For LiveContent S1000D , sample styles are provided, intended to provide representative print output.

Style adjustments

RWS expects that you will want to adjust the sample styles provided to meet your site's particular rendering requirements. You may change the sample styles we deliver yourself, or you can choose to enlist the help of RWS.

If you would prefer RWS to implement custom style behavior for you, typically, RWS Professional Services can perform such a customization for you. 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> .

The Contenta S1000D Publish tool is configurable to the extent documented in the Contenta S1000D user documentation; any further changes to the tool are considered customizations and are not covered under maintenance. You can contact RWS Professional Services for a quote to perform such customizations, too.

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.

Sample data

Starting with the Contenta S1000D 4.0 release, RWS delivers sample S1000D content to upload to a *test* Contenta S1000D CSDB, edit and output, as well as sample output for that content.

Sample data can be put to use at various stages of your project. For example, the following tasks can benefit from sample data:

Verifying your installation

Immediately after performing an installation, use sample data to verify that your product installation was successful. Using sample data guarantees that the verification process is unaffected by any customizations or configuration changes you may have applied to your own data.

Debugging

When you encounter an issue with your own collections and/or publications, sample data can help you determine the status of your system, separate from your specific content.

Testing customizations

If you have real data against which to test your customizations, use them. If not, sample data may be used as part of an initial test bed for any customizations you implement.

Verifying the impact of configuration changes

If you have real data against which to test the impact of your configuration changes, use them. If not, sample styles can help determine the impact of your changes.

These sample jobs illustrate the Data Module types that we expect will be used most by our customers. The samples do not include every Data Module type for which we deliver styles, so you should use your own content to confirm whether your style requirements are met with any of the sample deliverables.

Sample data and products

The sample data (known as bike data) is intended for use with an XML editor, XPP, and LiveContent S1000D . The Contenta S1000D describes in more detail the delivered sample data.

XML editor

If you have purchased and installed an XML editor (such as Arbortext Editor or SyncRO Soft Oxygen XML Author), you can edit sample data using it.

XPP

If you have purchased and installed XPP, you can output sample data to XPP and compare your output to the sample PDF provided.

LiveContent S1000D

If you have purchased LiveContent S1000D , you can output sample data to LiveContent S1000D and compare your output to the sample output IETP provided.

Sample delivery and support

Samples are not covered by maintenance support and are not necessarily consistent across applications and 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, e-mail <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 enhancement and planned product features.

Delivery and updates

Samples for XPP and Arbortext Editor are delivered with Contenta S1000D releases, and 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 all applications and S1000D specification issues.

Because samples are modifiable, the Contenta S1000D installation program does not overwrite in-place samples. Samples are delivered to a *distribution* area during new installations and upgrades. It is up to you to integrate the samples, as well as the updates to them, into your XPP, LiveContent S1000D and Arbortext Editor environments.

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Sample styles and sample data delivered with Contenta S1000D and LiveContent S1000D



Acknowledgments

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

[Adobe FrameMaker](#)

Adobe FrameMaker is an XML editor for structured authoring.

[Apache Commons Codec](#)

Apache Commons Codec (TM) software provides implementations of common encoders and decoders such as Base64, Hex, Phonetic and URLs.

[Apache Commons FileUpload](#)

The Commons **FileUpload** package makes it easy to add robust, high-performance, file upload capability to your servlets and web applications.

[Apache Commons Logging](#)

The Logging package is an ultra-thin bridge between different logging implementations. A library that uses the commons-logging API can be used with any logging implementation at runtime. Commons-logging comes with support for a number of popular logging implementations, and writing adapters for others is a reasonably simple task.

[Apache HTTP Server](#)

Apache HTTP Server is an open-source HTTP server for modern operating systems including UNIX and Windows. The goal of this project is to provide a secure, efficient and extensible server that provides HTTP services in sync with the current HTTP standards.

[Apache Log4j](#)

Apache Log4j 2 is an upgrade to Log4j that provides significant improvements over its predecessor, Log4j 1.x, and provides many of the improvements available in Logback while fixing some inherent problems in Logback's architecture.

[Apache Lucene, SOLR](#)

The Apache Lucene™ project develops open-source search software.

[Arbortext](#)

PTC Arbortext is an XML editor for structured authoring.

[DWR \(Direct Web Remoting\)](#)

DWR is a Java library that enables Java on the server and JavaScript in a browser to interact and call each other as simply as possible.

[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.

[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.

InstallShield

Flexera InstallShield delivers a seamless user install, allowing you to develop MSI and EXE installers, and create Windows Server App and MSIX packages with minimal scripting, coding and rework.

jacORB

The free Java implementation of the OMG's CORBA standard.

JDOM

JDOM's mission: to provide a complete, Java-based solution for accessing, manipulating, and outputting XML data from Java code.

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 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.jstree

jsTree is a jquery plugin, that provides interactive trees. jsTree is easily extendable, themable and configurable, it supports HTML & JSON data sources, AJAX & async callback loading.

JustSystems XMetaL

JustSystems XMetaL is an XML editor for structured authoring.

LDAP C SDK

The C LDAP Application Program Interface Internet Draft defines a set of API functions that you can use to build LDAP-enabled clients. The functionality implemented in this SDK closely follows the interfaces outlined in the Internet Draft, which should become an RFC someday. Using the functionality provided with this SDK, you can enable your clients to connect to LDAPv3-compliant servers and perform standard LDAP functions.

Microsoft Internet Explorer

Microsoft Internet Explorer is a series of graphical web browsers developed by Microsoft and included in the Microsoft Windows line of operating systems, starting in 1995.

Microsoft SQL Server

Microsoft SQL Server is a SQL-based relational database management system designed for use in corporate applications, both on premises and in the cloud.

Visual C++ 2017 Redistributable

These are packages which install run-time components required to run C++ applications built in Visual Studio.

Microsoft Visual Studio (C++)

Microsoft Visual Studio is a fully featured IDE for Android, iOS, Windows, web, and cloud

Omnimark

OmniMark allows developers to build efficient content conversion pipelines that support the rapid insertion of multiple content filter elements without loss of processing speed.

OpenSSL

OpenSSL is an open source project that provides a robust, commercial-grade, and full-featured toolkit for the Transport Layer Security (TLS) and Secure Sockets Layer (SSL) protocols. It is also a general-purpose cryptography library.

Oracle DB

Oracle Database is a multi-model database management system produced and marketed by Oracle Corporation.

Oracle Java

Java offers developers a contemporary language and platform to create the next generation of rich, scalable, and secure enterprise applications.

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.

Reprise License Manager

The Reprise License Manager (RLM) is a flexible and easy-to-use license manager with the power to serve enterprise users, and it comes to you from the creators of FLEXlm.

Stingray Studio

Stingray Studio provides tools for developing complex GUI applications that are easy to build, maintain, and evolve as new technologies improve the look and feel of user interfaces.

Strawberry Perl

Strawberry Perl is a perl environment for MS Windows containing all you need to run and develop perl applications. It is designed to be as close as possible to perl environment on UNIX systems.

Syncro Soft Oxygen XML Author

XML editor for structured authoring.

Windows

Microsoft Windows is a group of several graphical operating system families, all of which are developed, marketed, and sold by Microsoft.

Xalan-Java

Xalan-Java is an XSLT processor for transforming XML documents into HTML, text, or other XML document types. It implements XSL Transformations (XSLT) Version 1.0 and XML Path Language (XPath) Version 1.0 and can be used from the command line, in an applet or a servlet, or as a module in other program.

[Xerces-C++](#)

Xerces-C++ is a validating XML parser written in a portable subset of C++.

[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.

Acknowledgments

Contenta 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 its 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.

Infonote-DB

Infonote-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.

