



LATEST NEWS AND SOLUTION AT VERYANT

NEWSLETTER FIRST RELEASE!



Welcome to our first newsletter. We hope you'll find it full of relevant and interesting news.

We want to connect with our customers, and a newsletter will give us the opportunity to tell you what's going on at Veryant.

Veryant is growing and we're bursting at the seams to tell you about it! New version 2019R1, new videos, and a new location.

NEW USA ADDRESS

The USA office of Veryant, LLC has moved. We outgrew our old offices, and now have a shiny, new office in the University Town Center area in San Diego, a hub of innovative biotech, high tech, and telecom companies. It's the home of the University of California, San Diego and right next door to the Torrey Pines Golf Course.

We hope you'll stop by if you find yourself in San Diego to say Hi.

veryant

NEWS

THIS ISSUE

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WHAT'S NEW

2019R1 is here

Veryant is pleased to announce the latest release of isCOBOL™ Evolve, isCOBOL Evolve 2019 R1. isCOBOL Evolve provides a complete environment for the development, deployment, maintenance, and modernization of COBOL applications.



sCOBOL 2019 R1 is now certified to run with both Oracle Java 11 and OpenJDK 11 and introduces new features to simplify distribution and updates of isCOBOL Thin Client applications.

The 2019R1 Release introduces a new responsive layout-manager, and GUI controls have been upgraded with new features and compatibility options.

The isCOBOL IDE is now based on the latest Eclipse 2018-09 IDE, supports JDK 11, and can now import and support COBOL-WOW projects.

The isCOBOL EIS Web Service bridge has been improved and now allows you to embed custom user code in the automatically generated bridge code.

You'll find more details of these changes in the following pages.



Evolution without revolution

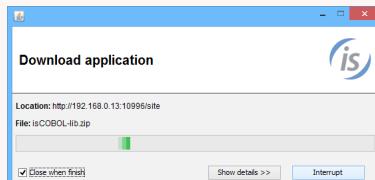


JAWS AND ISUPDATER

Java Web Start (JAWS) is a framework that allows users to start application software for the Java platform directly from the Internet using a web browser. Many of our customers use JAWS to download and update their clients without complicated procedures.

In March 2018, Oracle announced it will not include Java Web Start in Java SE 11 (18.9 LTS) and later. “Developers will need to transition to other deployment technologies.” says Oracle.

Since isCOBOL now supports Java 11 we needed to replace the Java Web Start’s functionality. isCOBOL already implements a software update feature called ISUPDATE that allows your clients to download updates through HTTP and HTTPS protocols. We’ve expanded this update to also distribute your COBOL application similar to JAWS.



What's the story with Oracle Java changes?



Massimo Bertoli, President of Veryant, talks about the Oracle Java SE Support Roadmap and OpenJDK



isCOBOL Evolve 2019 R1 now supports Oracle Java 11 and OpenJDK 11, the latest releases of Java currently available, bringing isCOBOL up to date with the Java ecosystem.

isCOBOL and isCOBOL IDE installation setups now give you the option of selecting an OpenJDK installation, and all Veryant products are certified to run using Oracle JDK 11 and OpenJDK 11 for maximum flexibility.

Oracle’s major releases of Java have accelerated from one every few years to one every six months. As a result, more patches were needed for more past releases. In order to change this, Oracle is switching to LTS - Long Term Support, with version JDK 11. Oracle promises to keep this version patched and up-to-date for a longer term, and isCOBOL is ready with our version 2019R1 to support OracleJDK 11. Along with this, Oracle is not going to offer free updates for Oracle JDK 8 after January 2019. This is because the cost of supporting that version with patches has become prohibitive. isCOBOL is committed to offering our products with support for a no-cost Java environment. OpenJDK, an alternative to OracleJDK, is supported by isCOBOL. As of a few versions ago, OpenJDK provided the same functionality as OracleJDK, and more than half of isCOBOL users are running

OpenJDK.

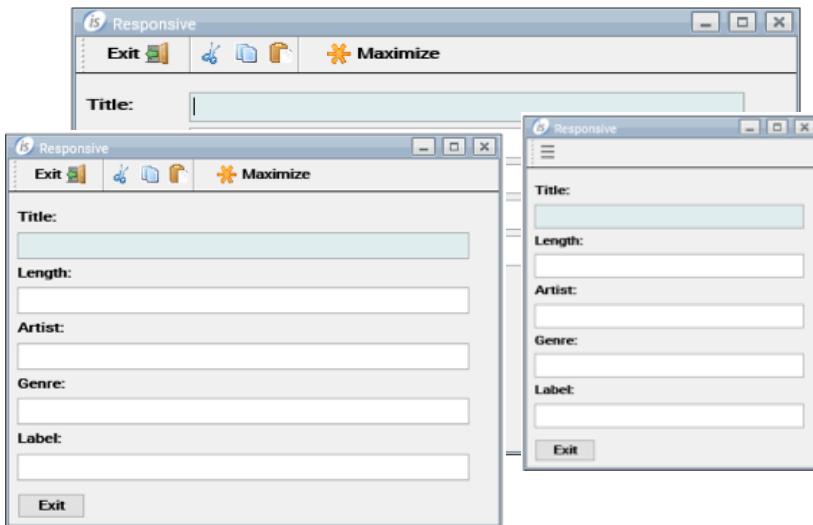
“isCOBOL is committed to offering our products with support for a no-cost Java environment.”

It used to be hard to find prebuilt OpenJDK, but that, too, has been resolved with prebuilt OpenJDK binaries for Windows x64, Linux x64, and MacOS x64 available from many online vendors, including <https://adoptopenjdk.net> and <https://aws.amazon.com/corretto>. Oracle is also going to offer prebuilt OpenJDK for each major release and two public updates on their website.

In summary – 2019 and future versions of isCOBOL will support the Oracle Java LTS with no-cost long term support, as well as our ongoing support of OpenJDK. Past versions of isCOBOL will still be able to run with the Java that has already been installed, and new installations of older versions of isCOBOL can use OpenJDK.



VERYANT MIME TYPES



File Associations for Thin Client and ISUPDATER

New in 2019R1 – Veryant is in the process of registering two new mime types as applications of vnd. veryant.thin at www.iana.org.

These file suffix registrations, done from the isCOBOL installation setup screen, will simplify the execution and the automatic update for the end user.

When a registered file is downloaded, a user can execute it immediately without additional configuration steps.



The new file extensions associations are:

.istc

to run the isclient utility

.isws

to run the isUPDATER

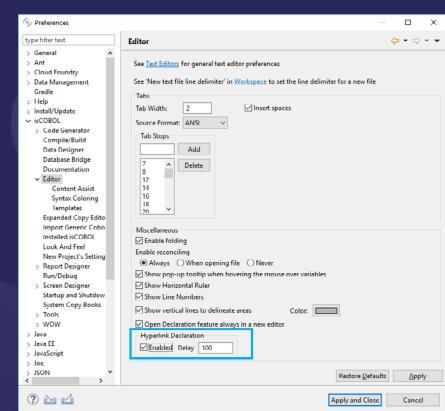
Question Answered - Hyperlinks in the IDE

Q. When attempting to change a field or variable in the procedure division, the focus jumps to the defined variable in working storage or the file definition before I can start typing. This is very annoying.



A. You're not alone! We had some complaints about the new Hyperlink abilities put into the 2018R1 IDE, so in 2019R1 we've added a configurable delay to the Hyperlink.

Go to Window -> Preferences -> isCOBOL -> Editor, and set the Hyperlink Declaration delay to a larger number.



DOCUMENTATION HIGHLIGHT



Have you ever wondered how isCOBOL interacts with other languages?

Check out the “Interoperating with isCOBOL” documentation. It includes information about calling isCOBOL from C and Java, calling C and Java from isCOBOL, and much more. These, along with the samples in the sample folder (in is-c and is-java sub-folders) will get you branching out to interact with other program languages in no time.



COBOL WOW!



Daniel Cardenas, Business Development Director of Latin America, talks about the new isCOBOL COBOL-WOW replacement

MAINTAIN AND MODERNIZE COBOL WOW APPLICATIONS

sCOBOL’s IDE can now import existing RM/COBOL WOW projects, providing screen designers and code editors to ease the maintenance and development of your WOW programs. In addition, when imported into the IDE, WOW developers have access to all of Eclipse’s advanced editor features and tools.

All of COBOL-WOW GUI widgets are supported and written in Java for 100% portability across environments, with an updated and modern look. Once your code is in the isCOBOL Evolve environment, the possibilities are endless, and include:

- Object-Oriented COBOL programming
- Working in the Java ecosystem
- The seemingly unlimited number of libraries and toolkits to tackle every task
- Deployment with Veryant’s Application Server and Thin Client or WebClient technologies
- Platform Independence

Developers that are familiar with COBOL-WOW will feel right at home, as the code the isCOBOL IDE generates is the same as the code that you’re used to seeing in COBOL-WOW. When debugging programs, developers will step through the same code as before, making the transition painless. In other words, isCOBOL generated code matches COBOL-WOW’s one-to-one .

Have You Seen This?

New YouTube videos:

Automatic Thin Client Update:

<https://youtu.be/ACzzsaEeY1c>

New Features in ISCONTROLSET:

<https://youtu.be/dllUd8RXW24>

How to import RM/COBOL WOW program into isCOBOL IDE (in Spanish):

<https://youtu.be/nhljKt2bKQE>

Link COBOL index files as DB tables with c-tree:

<https://youtu.be/Sk-pONAtEKQ>

New Knowledgebase articles:

How to detect multiple monitors and use them in a program:
<http://support.veryant.com/support/phpkb/question.php?ID=298>

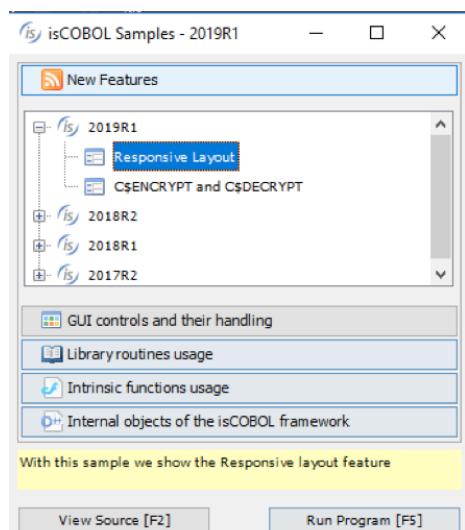
How to hide username/password used to connect to an RDBMS: <http://support.veryant.com/support/phpkb/question.php?ID=297>

Using Regular Expressions to replace text in your program: <http://support.veryant.com/support/phpkb/question.php?ID=295>



New Look for SAMPLES Program

The SAMPLES program, found in the samples/issamples folder, has a new look. We've upgraded the sections to a tab accordian control. The Samples program has a sample for every GUI control, Library Routine, and Intrinsic Function available, as well as many Internal Objects in the framework. We've added a section for New Features, organized by release version.



Push-Buttons Galore

We've always offered the option of putting text or bitmaps on a push-button.

Now you can do both!

WELCOME

Welcome to our new distributor, Dorsett Retail Systems in Adelaide, South Australia. Their website is www.dorsett.com.au. You can reach them at +61 8 8471 0822 contactus@drs.com.au

Would you manage your company in this way?

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Evolution without revolution

A historical black and white photograph showing a long, narrow room filled with rows of people seated at long, narrow tables. They appear to be working on some kind of machinery or equipment. On the wall above the tables, there is a sign that reads "COMPUTING DIVISION COMPUTING SECTION". The room has high ceilings and large windows along the sides.

Database Bridge a.k.a EasyDB

Accessing your RDBMS data with COBOL verbs has been expanded to include Relative, Line Sequential, and Binary Sequential files, as well as Indexed.

EasyDB

Indexed

Relative

Sequential



Evolution, without revolution

Veryant LLC

Corporate Headquarters

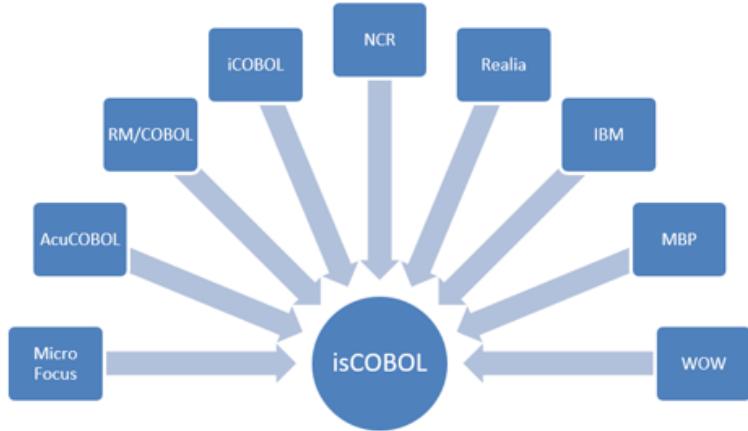
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And of course – 2019R1 contains multiple compatibility additions – as we continue to make your conversion process as smooth, quick, and pain-free as possible.



veryant.com

**Offering choice, flexibility and
cost-effective solutions to organizations
with valuable COBOL assets**

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FOR A DEMONSTRATION**

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<http://www.veryant.com/contact-request.html>

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