isCOBOL Evolve: Release Notes

Table of Contents

isCOBOL Evolve

isCOBOL 2024 Release 1

Important release notes

- Veryant products now look for the following license properties:

    o   iscobol.license.2024

    o   iscobol.compiler.license.2024

    o   iscobol.easydb.license.2024

    o   iscobol.eis.license.2024

    o   iscobol.balancer.license.2024

- the included c-tree client library version is v3.0.2.1113

- IDE is now based on Eclipse 2023-09 (v4.29)
Note - starting from this version default encoding on projects is set to UTF-8 on every operating system

- grid heading cells joined through span properties are now considered as a single cell so you need to refer to the first one

- the RETURNING clause in INSERT/UPDATE/DELETE is now supported only under the -csora optionsince it works only on Oracle. If you used this syntax with previous releases, add -csora copmiler option.

- changed the way to paste text in character based accept, now by default it is done with the mouse right click. To keep the previous behaviour, so with mouse middle click, set the configuration *iscobol.terminal.paste_key=mmdw*

- Jakarta servlet containers are now used in isCOBOL EIS servlets, WebServices and WebDirect. If you need to use JEE servlet containers, read details about how to use the appropriate configuration

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isCOBOL 2023 Release 1

Important release notes

- Veryant products now look for the following license properties:
    - o iscobol.license.2023
    - o iscobol.compiler.license.2023
    - o iscobol.easydb.license.2023
    - o iscobol.eis.license.2023
    - o iscobol.balancer.license.2023
    - o iscobol.mobile.license.2023

- the included c-tree client library version is v3.0.2.783

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isCOBOL 2022 Release 2

Important release notes

- Veryant products now look for the following license properties:
  - o iscobol.license.2022
  - o iscobol.compiler.license.2022
  - o iscobol.easydb.license.2022
  - o iscobol.eis.license.2022
  - o iscobol.balancer.license.2022
  - o iscobol.mobile.license.2022

- the included c-tree client library version is v3.0.2.454

- WBITMAP-LSF-DATA structure declared in isgui.def has been changed,

- if a program uses WBITMAP-LOAD-SYMBOL-FONT-EX op-code of W$BITMAP routine, it needs to be recompiled with the updated copy file

- WebClient is now supported also with Java 17

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isCOBOL 2022 Release 1

Important release notes

- Veryant products now look for the following license properties:
    - o iscobol.license.2022
    - o iscobol.compiler.license.2022
    - o iscobol.easydb.license.2022
    - o iscobol.eis.license.2022
    - o iscobol.balancer.license.2022
    - o iscobol.mobile.license.2022

- the included c-tree client library version is v3.0.1.472

- comp-1 and comp-2 conversion to float and double is now performed when compiling with -cm option

- Java 17 is now supported, except for WebClient

- WebClient is now installed with a separated setup, allowing also the Cluster and Session componenets

- WebClient admin interface is more modern and better organized

- isCOBOL IDE is now based on Eclipse 2021-09 4.21, so the minimum JDK required is 11

- by default the class created compiling from IDE are still compatible with JRE 1.8

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isCOBOL 2021 Release 2

Important release notes

- Veryant products now look for the following license properties:
    - o   iscobol.license.2021
    - o   iscobol.compiler.license.2021
    - o   iscobol.easydb.license.2021
    - o   iscobol.eis.license.2021
    - o   iscobol.balancer.license.2021
    - o   iscobol.mobile.license.2021

- the included c-tree client library version is v3.0.0.411

isCOBOL Evolve

isCOBOL 2021 Release 1

Important release notes

- Veryant products now look for the following license properties:
    - o iscobol.license.2021
    - o iscobol.compiler.license.2021
    - o iscobol.easydb.license.2021
    - o iscobol.eis.license.2021
    - o iscobol.balancer.license.2021
    - o iscobol.mobile.license.2021

- the included c-tree client library version is v3.0.0.336

- the minimum Java release required is now 1.8

- WebClient is now composed of 2 components:

    - o webclient for web server part on default port 8080

    - o webclient-admin for admin web server part on default port 8090

- webclient.config has been changed. Upgrading WebClient, it's necessary to migrate the existing configuration

- webclient new web app created is disabled by default. You need to press Enable button before using it

- webclient and webdirect folders are now on the isCOBOL root, no more under eis folder

- NULL under -ca is no more translated to ZERO providing better Acucobol compatibility

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isCOBOL 2020 Release 2

Important release notes

- Veryant products now look for the following license properties:
    - o iscobol.license.2020
    - o iscobol.compiler.license.2020
    - o iscobol.easydb.license.2020
    - o iscobol.eis.license.2020
    - o iscobol.balancer.license.2020
    - o iscobol.mobile.license.2020

- the included c-tree client library version is 11.9.0.581

- when compiling with -d or -dx option, the $DebugInfo class is no more created and the source code is included in the program class

- compiler -g option (include SMAP information in the class) is now set by default; to disable it, you can use -jo=-g:none. Note that programs compiled with -jo=-g:none can't be used with Code Coverage and Unit Test

- the compiler now creates the generated sources under specific subfolders:
    - o easydb for database bridge generation
    - o easylinkage for easylinkage generation
    - o servicebridge for web service bridge generation
    - o bean for web service bean generation

- the compiler now treats RECORD IS VARYING IN SIZE FROM 0 as the minimum record size

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isCOBOL 2020 Release 1

Important release notes

- Veryant products now look for the following license properties:
  - o iscobol.license.2020
  - o iscobol.compiler.license.2020
  - o iscobol.easydb.license.2020
  - o iscobol.eis.license.2020
  - o iscobol.balancer.license.2020
  - o iscobol.mobile.license.2020

- the included c-tree client library version is 11.6.0.65103

- In previous releases, a program compiled with -cp option could call another program via CALL CLIENT only if this program isn't compiled with -cp. This limitation prevented some programs from working correctly Now the CALL CLIENT to a program compiled with -cp is fully supported, as long as both programs are compiled with -cp. If you have programs compiled with -cp that call other programs using CALL CLIENT, re-compile the called programs with -cp as well.

- In previous releases, bitmap events were always fired. Now they're fired only if the NOTIFY-MOUSE style is used.

- To obtain the previous behaviour you can rely to iscobol.compiler.gui.bitmap.defaults=notify-mouse

- changed some default configuration values:

- iscobol.as.multitasking default value is now 2

- iscobol.jvm_options default value is now "-Xmx128m -Xms128m"

- renamed eis/wd2 folder into eis/webdirect

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isCOBOL 2019 Release 2

Important release notes

- Veryant products now look for the following license properties:
    - o iscobol.license.2019
    - o iscobol.compiler.license.2019
    - o iscobol.easydb.license.2019
    - o iscobol.eis.license.2019
    - o iscobol.balancer.license.2019
    - o iscobol.mobile.license.2019

- the included c-tree client library version is 11.6.0.64778

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isCOBOL 2019 Release 1

Important release notes

- Veryant products now look for the following license properties:
  - o iscobol.license.2019
  - o iscobol.compiler.license.2019
  - o iscobol.easydb.license.2019
  - o iscobol.eis.license.2019
  - o iscobol.balancer.license.2019
  - o iscobol.mobile.license.2019

- the included c-tree client library version is 11.6.0.64672

- programs compiled in previous releases with -dz in concjunction with either -dcm, -dci or -dcmi, now require -dznt instead of -dz to maintain the previous behavior

- the embedded ZK libraries in WD2 has been upgraded to 8.5 version

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isCOBOL 2018 Release 2

Important release notes

- Veryant products now look for the following license properties:
    - o iscobol.license.2018
    - o iscobol.compiler.license.2018
    - o iscobol.easydb.license.2018
    - o iscobol.eis.license.2018
    - o iscobol.balancer.license.2018
    - o iscobol.mobile.license.2018

- the included c-tree client library version is 11.6.0.57729

- changed the default behaviour of compiler to remove classes before compiling if there are no errors

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isCOBOL 2018 Release 1

Important release notes

- Veryant products now look for the following license properties:
  - o iscobol.license.2018
  - o iscobol.compiler.license.2018
  - o iscobol.easydb.license.2018
  - o iscobol.eis.license.2018
  - o iscobol.balancer.license.2018
  - o iscobol.mobile.license.2018

- the included c-tree client library version is 11.5.2.51048

- ctreej name in file.index refers now to com.iscobol.io.DynamicCtreeJ instead of faircom.rtg.DynamicCtreeJ

- the classes for ctreej access are now included in a separated file (ctree-rtg.jar)

- easydbcp in file.index doesn't exist anymore, easydb now can be used also with programs compiled with -cp

- isbal.jar and ishttp.jar don't exist anymore, they are included in iscobol.jar

- the embedded Apache POI has been upgraded to 3.17 version

isCOBOL Evolve

isCOBOL 2017 Release 2

Important release notes

- Veryant products now look for the following license properties:
    - o iscobol.license.2017
    - o iscobol.compiler.license.2017
    - o iscobol.easydb.license.2017
    - o iscobol.eis.license.2017
    - o iscobol.balancer.license.2017
    - o iscobol.mobile.license.2017

- the included c-tree client library version is 11.2.2.37148

- the compiler result has been changed avoiding to show 0 warning, error, etc. use -verbose compiler option if you prefer the old output

- isrun.jar and edbi.jar don't exist anymore, they are included in iscobol.jar

- to execute the isCOBOL utilities under Isrun or Client, now it's necessary to pass the -utility option. Example: isrun -utility GIFE

- push-buttons can now be activated by pressing Enter when they have the focus only if the iscobol.key.enter setting includes "termination=13". Set iscobol.gui.push_activated_by_enter=1 to make push-buttons always activable by pressing Enter like it happened in previous releases

isCOBOL Evolve

isCOBOL 2017 Release 1

Important release notes

- Veryant products now look for the following license properties:
    - o iscobol.license.2017
    - o iscobol.compiler.license.2017
    - o iscobol.easydb.license.2017
    - o iscobol.eis.license.2017
    - o iscobol.balancer.license.2017
    - o iscobol.mobile.license.2017

- the minimum java version required is now 1.7

- the c-tree client library version is 11.2.2.22002; ensure that the c-tree server version is aligned or replace the client library with the correct one in the isCOBOL bin directory

- the -efd compiler option has been changed to generate .xml files only for indexed files. To have the previous behaviour, use the new compiler option -efa to generate .xml files for all files

isCOBOL Evolve

isCOBOL 2016 Release 2

Important release notes

- Veryant products now look for the following license properties:
    - o iscobol.license.2016
    - o iscobol.compiler.license.2016
    - o iscobol.easydb.license.2016
    - o iscobol.eis.license.2016
    - o iscobol.balancer.license.2016
    - o iscobol.mobile.license.2016

- the c-tree client library version is 11.2.0.10214; ensure that the c-tree server version is aligned or replace the client library with the correct one in the isCOBOL bin directory

isCOBOL Evolve

isCOBOL 2016 Release 1

Important release notes

- Veryant products now look for the following license properties:
    - o iscobol.license.2016
    - o iscobol.compiler.license.2016
    - o iscobol.easydb.license.2016
    - o iscobol.eis.license.2016
    - o iscobol.balancer.license.2016
    - o iscobol.mobile.license.2016

- the c-tree client library version is 10.4.0.54030; ensure that the c-tree server version is aligned or replace the client library with the correct one in the isCOBOL bin directory

- the dci 5.2 and previous versions are no more supported when calling a DCI_ routines

- programs compiled in previous releases with -dci option, now require -dci -d1 options to maintain the previous behaviour

- WITH ENCRYPTION clause in select is now supported by compiler, previous versions treated it as a comment. If you like to continue without encryption, you should remove the clause

- ZK included in isCOBOL WD2 is now updated to version 8.

- The web-app content has been changed, to update existing web-app developed with previous versions, it's necessary to update these parts:
    - o all .jar files under lib,
    - o standard new iscobol.css file,
    - o additional iscobol-wd2.css file (if used) to be set in iscobol.wd2.additional_stylesheet

- css class priorities have been changed, and style properties redefined in the css stylesheet file must be implemented with the "!important" attribute to override iscobol-generated styles

isCOBOL Evolve

isCOBOL 2015 Release 1

Important release notes

- Veryant products now look for the following license properties:
    - o iscobol.license.2015
    - o iscobol.compiler.license.2015
    - o iscobol.easydb.license.2015
    - o iscobol.wd2.license.2015
    - o iscobol.balancer.license.2015
    - o iscobol.mobile.license.2015

- the c-tree client library version is 10.4.0.39701; ensure that the c-tree server version is aligned or replace the client library with the correct one in the isCOBOL bin directory

- Starting from isCOBOL 2015 R1, Java 1.4 is no longer supported. You should bind your isCOBOL to a Java 1.5 or later.

- the iscobol.file.index.autolock_allowed property effects on c-tree have changed. The new (more consistent) behavior is:
    - o   property not set -> lock error returned
    - o   property set to true -> lock error not returned
    - o   property set to false -> lock error returned