



**EARLY ACCESS PROGRAM**

**iAdapt is pleased to announce to GA release of Genero V3.10**

Four Js, through its partner iAdapt, is pleased to announce the official release of Genero 3.10. This release has new features and improvements in all product areas.

While this announcement highlights the major new features in each product area, it is recommended you review the New Features listing at the start of each User Guide to see the full list of new features for each product.

**GENERO CORE BUSINESS DEVELOPMENT LANGUAGE**

The ability to apply focus to cells rather than rows when in DISPLAY ARRAY via a new attribute FOCUSONFIELD

The ability to place hint messages inside empty fields via a new attribute PLACEHOLDER

Account	January	February	March	April	May	June	July	August
00100	\$68.07	\$52.49	\$0.73	\$36.58	\$89.30	\$12.72	\$75.44	\$8.78
00200	\$44.92	\$30.42	\$79.87	\$25.03	\$23.27	\$17.29	\$88.40	\$26.12
00300	\$95.60	\$9.33	\$30.99	\$2.78	\$18.16	\$53.35	\$90.97	\$78.26
00400	\$9.79	\$91.49	\$65.79	\$88.21	\$19.67	\$6.72	\$13.93	\$93.36
00500	\$1.94	\$63.57	\$50.01	\$11.53	\$67.08	\$79.44	\$56.68	\$14.90
00600	\$77.22	\$46.66	\$85.49	\$80.24	\$78.01	\$68.53	\$9.77	\$74.08
00700	\$86.35	\$80.13	\$38.65	\$98.14	\$90.63	\$45.36	\$94.25	\$16.69
00800	\$65.17	\$41.95	\$1.05	\$4.04	\$94.51	\$42.98	\$21.88	\$11.23
00900	\$67.16	\$3.17	\$44.38	\$31.44	\$15.01	\$48.97	\$38.71	\$58.28
01000	\$22.94	\$79.04	\$16.09	\$62.31	\$97.45	\$41.75	\$36.35	\$62.98
01100	\$2.60	\$35.57	\$15.94	\$80.08	\$63.95	\$59.68	\$91.13	\$45.30
01200	\$20.82	\$98.52	\$7.67	\$38.21	\$56.95	\$47.12	\$36.71	\$99.01
01300	\$16.16	\$97.90	\$56.40	\$6.79	\$73.35	\$70.06	\$79.72	\$60.98
01400	\$22.89	\$67.60	\$89.05	\$61.26	\$61.23	\$95.06	\$58.13	\$67.70
01500	\$23.66	\$5.34	\$52.26	\$53.94	\$13.63	\$87.38	\$78.44	\$95.90
01600	\$73.85	\$72.17	\$52.72	\$55.39	\$92.47	\$23.85	\$34.96	\$48.85
01700	\$57.35	\$99.15	\$16.25	\$35.34	\$60.42	\$60.11	\$46.79	\$41.52
01800	\$76.92	\$18.15	\$29.91	\$0.33	\$26.69	\$93.97	\$95.53	\$5.47
01900	\$38.08	\$33.77	\$27.61	\$6.25	\$73.35	\$18.68	\$79.95	\$27.76
02000	\$5.56	\$63.01	\$88.72	\$5.60	\$0.94	\$89.84	\$37.55	\$97.89
02100	\$56.80	\$34.55	\$68.55	\$75.06	\$9.63	\$35.02	\$66.76	\$31.08
02200	\$8.08	\$99.97	\$86.51	\$48.49	\$52.03	\$57.31	\$65.31	\$80.14
02300	\$70.70	\$27.71	\$48.64	\$87.60	\$67.17	\$16.46	\$71.17	\$76.74



- Trace – a new debug tool that allows you to see every function call made including parameters passed to and from, that a program executes
- Coverage – a new development tool that allows you to track line coverage of your QA tests and identify what code is not covered by your QA tests
- Dynamic Dialogs – concept extended to INPUT ARRAY and (Multi) DIALOG
- New classes including util.Hash, util.Integer, and new methods including array.copyTo, array.search
- New DIALOG methods and triggers including configuring actions at runtime and adding ON CHANGE to CONSTRUCT
- WebComponent API improvements, and we now supply some WebComponents in the BDL package

- New Presentation Styles
- New Front Calls
- New Databases features
- Tool improvements

*Additional Add On features include:*

GUI log file name with process id (`--start-guilog="myfile-%p.log"`).

[This feature can be used to setup non-regression tests, and to provide a log file to the support to replay a specific application case.](#)

Source code coverage tool (FGLCOV / `fglrun --merge-cov`).

[The coverage tool built in the runtime system allows you to collect information about source code execution.](#)

[With the coverage tool, you can:](#)

- [Identify dead code that is never executed, or make sure that important code is really executed.](#)
- [Find what lines of code are executed many times, to optimize your programs.](#)

[For each line of code, the tool reports the number of times it has been executed, if it has never been executed, or if it is not reachable at all](#)

#### GENERO DESKTOP CLIENT

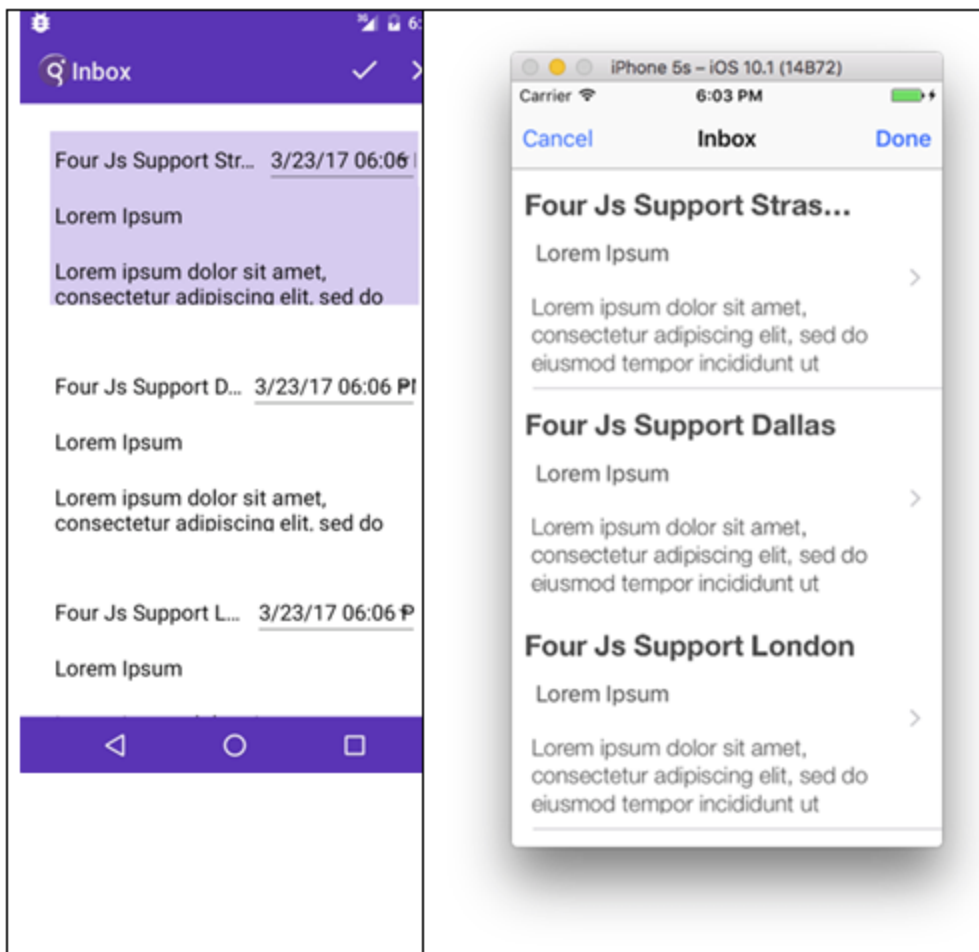
<ul style="list-style-type: none"><li>• Automatic Update – a method to automatically upgrade the Genero Desktop Client via a front-call.</li><li>• Web Component Update – a new library used to render WebComponents, which as well as rendering improvements, has debugging improvements</li></ul>	<ul style="list-style-type: none"><li>• A set of ready-to-use web components in now provided in the Genero package.</li><li>• GDC auto-update front-call (monitor.update) to install a new GDC automatically from a Genero program.</li></ul>
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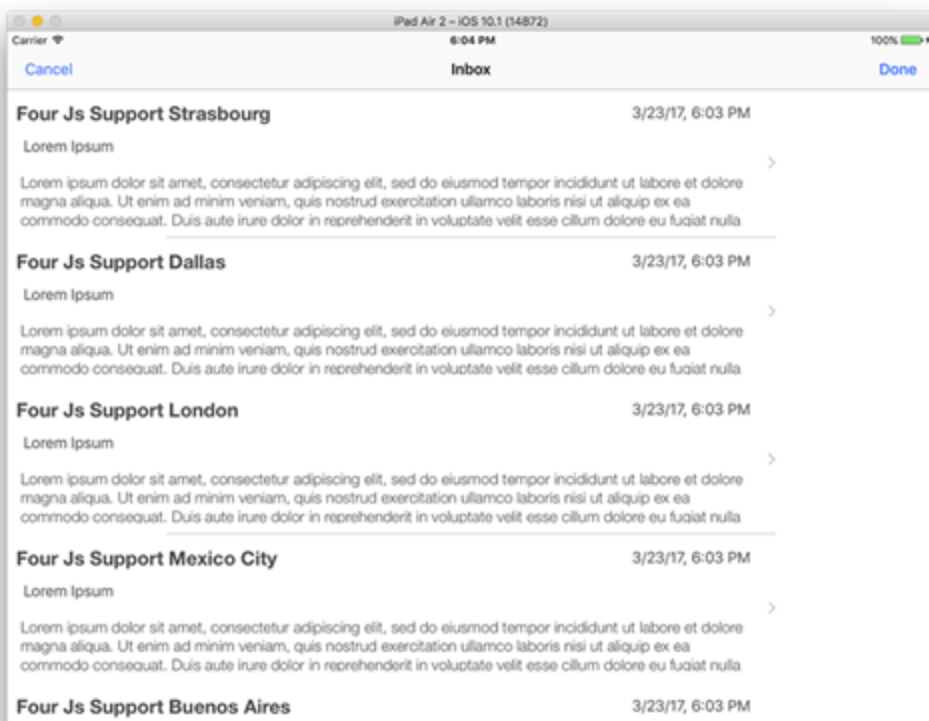
#### GENERO BROWSER CLIENT

<ul style="list-style-type: none"><li>• Genero Browser Client (GBC) is the new name for what was Genero Web Client – Javascript (GWC-JS). It is now included in the Genero BDL package</li><li>• <b>Support is now extended to Firefox and Mobile Browsers</b></li></ul>	<ul style="list-style-type: none"><li>• Front-call API allows RECORD and ARRAY specification in input and output parameters.</li></ul> <p>The <code>ui.Interface.frontCall()</code> class method can be used to execute a procedure on the front-end workstation through the front-end software component. You can for example launch a front-end specific application like a browser or a text editor, or manage the clipboard content.</p>
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GENERO MOBILE

- SCROLLGRID now implemented on Mobile devices for more complex DISPLAY ARRAY
- Cordova API – new front-calls to simplify interface to Cordova Plugins





## GENERO APPLICATION SERVER

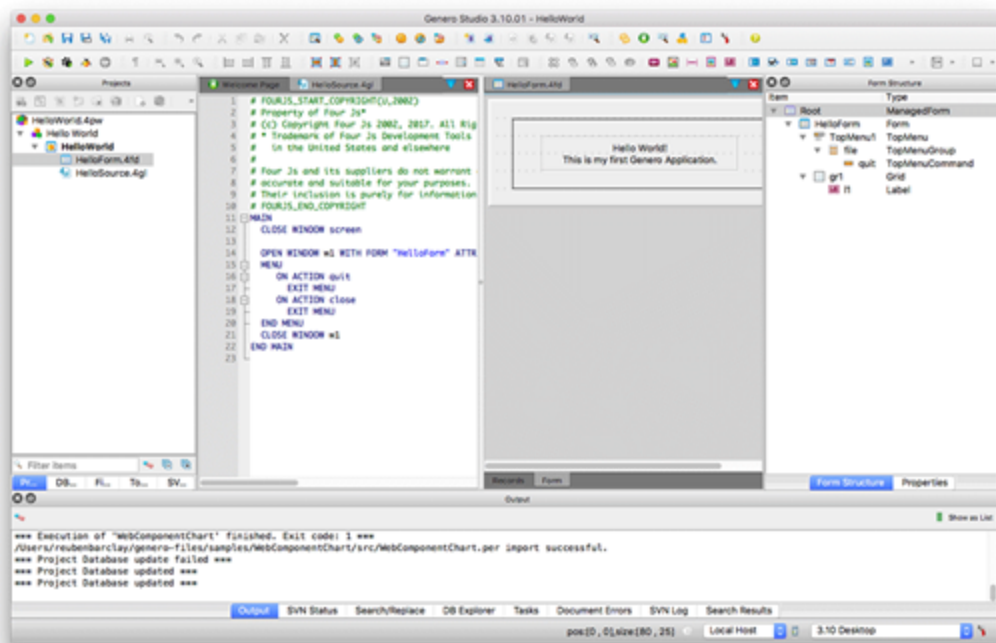
- Genero Application Server for Java (JGAS), a new product that is bundled in BDL that replaces java-j2eedispatch. This new product has better integration with the J2EE architecture
- Docker – The ability to run in docker
- In addition to above, a number of other components previously shipped with Genero Application Server are now included in the Genero BDL package

#### GENERO WEB SERVICES

- RESTful improvements including new RESTful demo
- SOAP with Attachments
- Support of Message Transmission Optimisation Mechanism (MTOM)
- New class for XSLT transformation
- Security Improvements

#### GENERO STUDIO

- Dual View – view two files side by side
  - Code Editor Improvements – including Copy Line, synchronise with Code Structure View, Ctrl+Click to find definition, support for more languages
  - User Action improvements including execute User Actions on the remote server, and execute on Project Nodes
  - Diff – can toggle whitespace and case sensitivity
  - Improvements to command line interface, gsform, gsmake, gsreport
  - Improvements to Project Manager including filtering, preview forms, and specify dependencies
  - Improvements to Database including categorisation and ability to copy tables and columns to code editor
  - Improvements to Debugger including always visible, defined per project, and better ability to see array variables
  - One click deploy of mobile packages
  - GUI Testing tool based on Genero Ghost Client
  - Code coverage tool integration
  - Many other improvements
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*Dual View – view two files side by side*

#### GENERO REPORT WRITER

- Data transformations – transform data before GRW processes it
- Driverless server side silent printing options via PJL
- Printing PDF via IMAGEBOX
- New API's for rendering hints
- Many other improvements including improved semantic for rest, and ExpandToParent, Spider Chart, iAdapt BDF RW Tools plug-in, Pentaho plug-in

#### GENERO GHOST CLIENT

- Now bundled in with the BDL package
- New class to generate tests from GUI log

Issued with immediate effect by iAdapt Press Office

#### About iAdapt

iAdapt is a Software Development and Technology business solutions company dedicated to providing the kind of Software and Technical expertise that assists your business embrace technology to gain a competitive edge.

The primary focus of the company is based on the philosophy of world class software solutions with a strong emphasis on Research and Development.

iAdapt currently invests in excess of 30% of its revenue back into R&D for all of its 30 module plus ERP applications and Development Tools.

iAdapt is the owner, author and developer of its own ERP solution called iAdapt Enterprise Software or *IES®* using the *iBDF® Tools*.

The company's focus is on adding value to a customer's business processes by utilizing technology cost-effectively and professionally.



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**About FourJ's**

Imagine software that enables your company to develop complex business applications quickly.

Imagine software that lets you develop these applications and compile them once, redeploying them across leading operating systems, graphical user interfaces and databases without recompilation.

You just imagined Genero<sup>®</sup>, a business application infrastructure for enterprises of all sizes.

Thousands of customers from enterprises in a broad cross-section of markets – banking, insurance, energy, telcos, media, national retail chains, national defense and other government agencies – are reaping the rewards from their investments in Four Js technology.

With several million licenses sold around the world, we provide development and infrastructure tools that help companies of any size to develop and deploy portable, scalable, high-performance, transaction-oriented applications rapidly and cost-effectively.



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