FairCom®

c-treeRTG®

Modernization and migration for COBOL and other legacy systems

The RTG stands for "Ready-To-Go," and it means exactly that because no changes need to be made to the COBOL code as c-treeRTG enables an organization to:

• Modernize a legacy system with current technology
• Migrate more easily from a legacy system to a new one
• APIs connect to other systems, providing quick and easy access to live data for analytics and business intelligence

It does not matter if modernization or migration is chosen, c-treeRTG keeps the existing application logic intact while offering a better substitute for the current legacy data storage technology.

Modernization with a data-centric approach

c-treeRTG enables modernization to occur *without developers touching a single line of COBOL code*. This is because FairCom realizes that COBOL is not the problem; instead, the problem is with the file system.

With FairCom's data-centric approach for non-mainframe COBOL systems, modernization occurs by replacing the file system, which allows integration with modern systems and languages. The overarching benefits of modernization with c-treeRTG include:

• Integration with modern technologies like SQL, JDBC, Python, …
• Performance enhancements
• Real-time read/write access to COBOL data
• Ability to write modules in modern languages
• Real-time access to accurate data with BI tools
• Improved data integrity

c-treeRTG allows access to live COBOL data files simultaneously through many different interfaces besides the COBOL program. And with the power of SQL, developers can use many languages and interfaces to query a system's data files. Among these are:

Java   C/C++   PHP   ADO.NET   JDBC   ODBC   Python   & More …

What's New with

V3

High Availability

Full-Text Search

Automatic Transaction Optimization

Over 25 APIs Beyond COBOL

• Node.js
• Python
• PHP Data Objects (PDO)
• REST
• MQTT
• And many more …

New Platform Support

• Mac OSX Mojave and Catalina
• Raspberry Pi
• IBM AIX for Power 9 (P9)
• System 390 Mainframe

Enhanced Security

• TLS support
• File ownership and file permissions support
• Integration with AWS Secrets Manager and programmatic retrieval of encryption master key
• Read-Only Server Mode

c-treeRTG®

c-treeRTG is a combination of a full COBOL file system with a powerful, dynamic database server that maps all COBOL files into data tables, including support for REDEFINES and multiple keys.

Users can keep their COBOL applications and data files and develop new applications using SQL queries, or even other modern language APIs, like Java and Python, sharing the same data set. As a transactional multimodel database, c-treeRTG allows users to execute full transactions (read, write, delete or update) simultaneously from the existing COBOL applications while concurrently querying this data from an external, non-COBOL application, all over the same live data set.

In addition to the technology benefits above, c-treeRTG provides benefits from a business continuity perspective. As the number of COBOL developers becomes scarcer each year, a company will always be able to hire new talent to develop and maintain its modernized technology in modern languages, thus reducing the total cost of ownership.

Migration with flexibility and no disruptions

c-treeRTG is ideal for companies who have decided to replace their legacy system by providing an upgrade path that prevents the big-bang (all-at-once) migration approach. By converting all or a subset of the data files to c-treeRTG, and keeping COBOL applications fully functional, users can develop new applications in any other language supported by c-treeRTG interfaces, like Python, PHP, Java, .NET or C#. This allows users to shift the new development effort to a different language, without disrupting the existing environment, and slowly deprecate the COBOL applications over a lengthy and safe migration strategy. Users also receive flexibility in regards to the "how to" and "where to" of the migration:

- To a full utilization of c-treeRTG as the new data management system
- To a non-c-treeRTG data management system database
- Can take place in one big move (big-bang migration)
- Can occur in small steps over time

How to buy

Contact FairCom directly at info@faircom.com for pricing and licensing information for c-treeRTG and other FairCom products.

Current Version: V3.0

c-treeRTG solutions

- Modernize a legacy system with current technology
- Migrate more easily from a legacy system to a new one
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COBOL Edition

- ACUCOBOL
- Micro Focus
- isCOBOL
- COBOL-IT
- RM/COBOL
- Fujitsu NetCOBOL

Btrieve Edition

- All the support mentioned above for easily replacing the Btrieve database

Development Platform Support:

- Windows
- Linux
- Mac OS X
- HP-UX
- AIX
- Solaris
- FreeBSD
- SCO
- QNX
- and many more …

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