# RTPA Factsheet

## Harkins & Associates, Inc. Background

Some of the primary benefits of working with Harkins & Associates, Inc. include:

- IBM Registered Business Partner
- Brings together decades of IBM Senior Systems Engineer experience, as well as external consulting for IBM systems
- Experience authoring six major IBM application products used worldwide, including global support
- Extensive experience in range of corporate programming languages, eg, RPG, COBOL, CL, PL/1, Assembler, FORTRAN
- Detailed understanding of full IT ecosystem: application design, implementation, migration, maintenance, support, application enhancements
- Advisory for strategic direction of IT systems and subsequent implementation: executive-level consulting and education

## RTPA Fundamentals

- Patented, innovative tool providing data lineage
- Simplifies and speeds the way IT development and programming is accomplished
- Automates the way IT development and programming is accomplished by utilizing the computer to speed understanding large, complex computing environments rather than the programmer's brain.
- Multiplies programmers productivity and capability by 3 - 20 times* over traditional programming methods (*based on user reports, depending on activity)
- Provides real-time "Just give me the answer now" capability to complex data lineage problems
- Successful installations in small to multi-billion dollar corporations, with programmer numbers ranging from 2 to 50
- Versatility: Works on both in-house source code and vendor applications
- A recording, like a video camera, of what is happening inside every executing program: produces unattended audit log with time stamp; documents source code making it easily understandable for all future programmers; enables real-time analytics; eliminates need for programmer debugging
- Multiple use cases: program development, program maintenance and process improvement, system migration, change management, DevOps, testing
- Provides real-time search function, like Google for your source code
- Current product languages include IBM i RPG, COBOL, CL; patent is for all computer languages
- Useful for external consultants and in-house programmers

## RTPA Benefits

- Productivity and capability gains: dramatically reduces time needed to understand code and address maintenance issues and problems
- Advanced IBM i real-time auditing and recording capability (log) for forensic analysis of data lineage. (Other IBM journaling focuses on IT activity like the IBM History Journal (DSPLOG of file QHST), the IBM Disk Journal of file changes, and the IBM security journal of IBM i security issues).

- The only IBM i real-time audit and log of exactly what is happening inside applications (every statement that is executing and the data being processed).
- Simplifies programming, development, and DevOps/testing: solve problems and bring new products to market faster
- ROI: Fast gains in process/service improvement
- Dramatically reduced IT costs and increased IT capability
- Gives programmer instant knowledge of what is happening in the program
- Reduced learning curve for new staff
- Easier maintenance and modernization of applications
- Reduced risk of lost business due to application downtime
- Improved application reliability/availability
- Traceability and security
- Real-time visibility into remote corporate applications processing worldwide