

Tree e-times

A Publication of Treehouse Software, Inc.

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[www.treehouse.com/
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Treehouse Software, Inc.

Celebrating

25 Years

**We Would Like to Offer You 25% Off
The Purchase Price* of Treehouse Products
During Our 25th Anniversary Year!**

2007 marks the 25th year that Treehouse Software, Inc. (TSI) has been providing the leading ADABAS and NATURAL tools on the market. As a way of saying thank you to our loyal customers and welcoming new customers, we are offering 25% off the purchase price* of TSI ADABAS/NATURAL products.

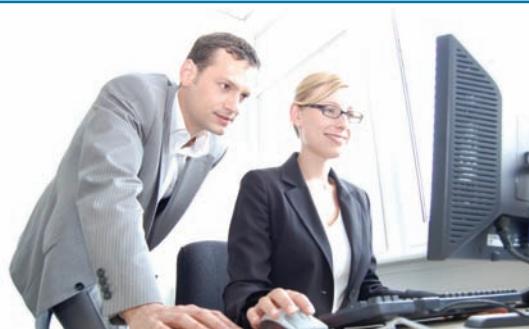
If you've been putting off buying any of these best-of-breed tools, there's no time better than now, because the price couldn't be better. You'll enjoy the assurance of our 25-year track record of acclaimed support, which you can rely upon for years to come.

Please visit our website at www.treehouse.com for additional information.

Contact TSI today to set up on-line demonstrations or to request free, 30-day trials of our products.

We look forward to hearing from you!

*25% discount does not include ongoing maintenance.



TSI delivers the expertise that maintains and enhances your investment in ADABAS and NATURAL

Treehouse Software, Inc. (TSI) is the premier independent provider of products and services to meet the needs of the Software AG community. We have been helping clients improve their ADABAS and NATURAL environments since 1982. Our highly-skilled consultants average over 20 years of experience in the industry.

One of TSI's more popular consulting offerings is our On-site and Remote DBA

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Editor's Notes

by Joseph Brady

What on Earth is George Up To?!

There were some raised eyebrows around the Treehouse when we first saw this headline in the Pittsburgh Post Gazette:



As it turns out, there is a company called TreeHouse Foods, based in Westchester, IL and has some of its manufacturing operations in Pittsburgh, PA.

As much as most of us in the office like pickles, we were very relieved that we are remaining within our comfort zone of data migration and integration, rather than venturing into the world of vinegar and brine.

Telemetree Systems Appoints Earl Hadden as CMO

Telemetree Systems announced an important milestone in the appointment of renowned Business Intelligence (BI) and data warehousing authority **Earl Hadden** to the post of Chief Marketing Officer (CMO). In this capacity, Mr. Hadden will assume functional responsibility for directing sales and marketing of the Telemetree product line and associated consulting business. This is a very significant step in the advancement of the Telemetree organization by appointing high-caliber individuals into key roles.

Mr. Hadden is the author of the world's most widely-used methodology for the development of data warehouses, data marts and BI solutions. Furthermore, he is a highly-experienced sales and marketing professional with a long history of entrepreneurship and achieving extraordinary results using a pragmatic and business-driven approach. Mr. Hadden has worked with over thirty-five organizations in seventeen countries to help significantly improve business performance through the application of advanced management concepts and information technology.

Among Mr. Hadden's credentials are membership in the Data Warehouse Network Editorial Advisory Board, the Patricia Seybold Group Business Intelligence and Data Warehouse Advisory Panel, and the Digital Consulting Data Warehouse Advisory Board. His worldwide seminars have been sponsored by Digital Consulting Inc., Technology Transfer Institute, IIT, SPL, Ni-Tech, NCR, Digital Equipment Corporation, Oracle Corporation, BBS International, Business Objects, Prism Solutions, Informix, Aonix, Silicon Graphics, Carleton Corporation, Sybase, Software AG, the Data Warehouse Institute, and the Data Warehouse Network.

"In 25 years of involvement in this space, I've rarely been as impressed as I have with the Telemetree products and the professionalism of the Telemetree team," said Mr. Hadden. "I'm looking forward to helping Telemetree Systems and our customers gain rapid success."

George Szakach, President of Telemetree Systems' parent company Treehouse Software, Inc., said, "Adding the talents of Earl Hadden, a thought leader in the field as well as a seasoned business pro with experience in a wide variety of industries, gives Telemetree Systems instant credibility and capability."

TSI and Telemetree Systems Out and About

Pittsburgh: In April, Telemetree Systems presented *Self-Service Business Intelligence for Decision Makers, Controllers, and Departmental Users* at the Pittsburgh Technology Council. The event featured special guest speaker **Bob Taylor, Cubeware Product Manager**, who presented the **Cubeware Analysis System** (see page 4).

Germany: In April, **Mark Jones**, TSI European Technical Representative, gave a presentation on **ESP Control** at the NATURAL Usergroup Meeting in Hanover, Germany.

Seattle: In May, Telemetree Systems exhibited at the Microsoft Business Intelligence Conference 2007 in Seattle.

New York City: On May 18th, **Wayne Lashley**, TSI COO and **Philip Newcomb**, TSRI President, Founder & CEO presented *Automated NATURAL/ADABAS to C#/SQL Server Modernization* at the NATURAL Modernization Strategies Information Forum (NAMS-IF) at the Cornell Club in New York City (see page 4 for more on the NAMS-IF event).

Tree-times

Editing, Writing, and Design

Joseph Brady

Contributors

Mitch Doricich, Mike Kuechenberg, Wayne Lashley, Dan Vimont, Rolf Vollmer

Distribution

Terri Hammerschmitt

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We deliver the expertise that maintains and enhances your investment in ADABAS and NATURAL (continued from page 1)

Service. When you can't do it all yourself, we can be there to provide a wide range of services, including:

- Daily monitoring of, and preventative maintenance to, the Software AG environment, including ADABAS, NATURAL, NATURAL SECURITY, PREDICT, NATURAL CONSTRUCT, ENTIRE NET-WORK, and COM-PLATE, as well as TSI's product suite and third-party products
- Regular monitoring of VSAM space allocation
- Ongoing review and corrective action for Early Warnings and required fixes provided by Software AG, TSI, and third-party vendors
- 24-hour telephone support for problems requiring DBA remedial action
- Periodic file and utility software modifications and maintenance
- Periodic software upgrades
- Ongoing NATURAL SECURITY administration services
- Periodic analysis, consultation, and recommendations on Software AG product performance and tuning, NATURAL coding approaches, ADABAS file design and feature usage, and related matters
- On-site participation in regularly-scheduled disaster recovery tests
- On-site participation in actual disaster recovery in the event of a declared disaster

The TSI On-site and Remote DBA Service offers a proven, cost-effective alternative to full-time system administrators and DBAs. Using our team of experts and monitoring techniques, TSI offers world-class, on-site and remote system support and DBA service at affordable prices. Our On-site and Remote DBA Service offers various levels of system monitoring and administration. TSI will monitor critical factors within your Software AG environment, and provide preventive maintenance for your systems and databases. We are strongly committed to our customers' success and we strive to deliver the highest quality DBA and support solutions.

Who Can Benefit from 25 Years Software AG Experience?

TSI is the trusted name in ADABAS/NATURAL software and services since 1982, and we bring extensive experience working with many key vertical markets, including local, state, and federal governments, banking and finance, education, healthcare, manufacturing, etc. Our seasoned consultants can help any company's staff focus on their core competencies without concerning themselves with day-to-day maintenance of ADABAS/NATURAL mainframe systems. For instance, our services can benefit healthcare organizations by helping to provide a secure client data environment in order to meet HIPAA regulations, and by providing better uptime for critical systems. Financial organizations can also realize the benefits of extra DBA help, which can assist in ensuring data security and redundancy, and meeting regulatory requirements such as Sarbanes-Oxley regulations.

Additionally, any ADABAS/NATURAL shop can maximize efficiency of their databases, and improve employee productivity by letting TSI handle daily DBA tasks. So, whether your company is affected by retirements, budgetary constraints, or any other factors contributing to a shortage of experienced ADABAS/NATURAL DBA skills, TSI can be an affordable and reliable option. Contact TSI for details. •



"I have been very pleased with the support we have with Treehouse Software. The Treehouse DBA is very knowledgeable and is quick with his responses to our issues. We can depend on him to come through when we need him!"

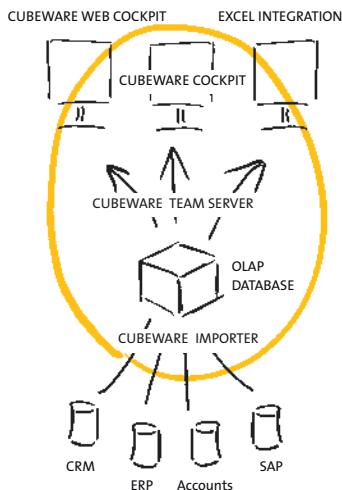
Ronald F. Nehmey
Project Manager
Grede Foundries, Inc.



Help Yourself to Some Self-Service Business Intelligence

Cubeware is your **one-stop-shop** for managing your business effectively through reliable data. Designed with business professionals in mind, **Cubeware** enables you to quickly build sophisticated applications for analysis, planning, and reporting—in weeks, instead of months or years. And, there's no programming required. Just use **Cubeware** to automatically gather data from spreadsheets and operational systems, then perform data analysis and create reports—anytime, anywhere.

Cubeware helps enable efficient budgeting and forecasting; deliver reliable reports and accurate forecasts; integrate new divisions, partners, and channels with ease; and provide a consolidated view of business performance across the entire organization.



Cubeware Analysis System

This modular BI package contains an intuitive front end (**Cubeware Cockpit**), and ETL tool (**Cubeware Importer**), and the OLAP database that best fits your business needs.

Cubeware Analysis System includes:

Cubeware Cockpit

All-in-one BI front end powers ad hoc analysis, budgeting and forecasting and enterprise planning in your choice of Windows or Web environments.

Cubeware Team Server

Empower collaboration, delegate access rights, and distribute reports to appropriate users.

Cubeware Importer

Import and model data as well as build cubes to fill a multidimensional database to drive business decisions.

OLAP databases

Cubeware Analysis System runs on various multidimensional databases to support your different requirements.

Cubeware is distributed by:



Visit www.telemetree.com for more information. •

TSI Participates in NATURAL Modernization Event

By Mitch Doricich

On May 18, 2007, TSI participated in the first-ever Natural Modernization Strategies Information Forum (NAMS-IF), held at the Cornell Club in New York City. Several dozen attendees representing a number of high-profile ADABAS/NATURAL customers, as well as systems integrators and consultants in the field, took advantage of this free event to learn about a variety of approaches to modernizing legacy NATURAL applications. Software AG was invited to present its own modernization strategies but the invitation was declined.



The event was spearheaded by former SAGGROUP Northeast User Group President **Lewis DeLauder**, who worked for years as an international consultant for Software AG (Darmstadt) and who is

William Ulrich and Lewis DeLauder

currently providing services to clients in the NYC area. Lewis assembled a roster of industry leaders to present different options and considerations for customers pondering the future of their NATURAL applications.

The day kicked off with the informative and entertaining keynote *"The Time is Now, The Reasons are Many & The Power is in Your Hands"* from prominent systems modernization authority **William Ulrich**, President of TSG, Inc. (Tactical Strategy Group). Mr. Ulrich is Co-Chair of the Object Management Group (OMG) Architecture-Driven Modernization (ADM) Task Force, Co-Chair of the Business Architecture Conference, and an author of hundreds of articles and three books. His presentation addressed the many reasons why the time is right and the capabilities have arrived for organizations to "defang the legacy beast" in order to grow and thrive.

Mr. Ulrich was followed by **Philip Newcomb**, President, Founder and CEO of TSI partner The Software Revolution, Inc. (TSRI). Mr. Newcomb is an internationally recognized expert in the application of artificial intelligence and formal methods of software engineering, and collaborates with Mr. Ulrich and others in the OMG ADM initiative and other W3C standards councils. With his *"Automated Legacy System Modernization – A Proven Approach"* presentation, Philip outlined TSRI's proven capabilities for cost-effectively automating the transformation of legacy applications, such as those written in NATURAL, to modern, highly-maintainable Java, .NET and C++ systems.

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TSI Participates in NATURAL Modernization Event (continued from page 4)

Mr. Newcomb was joined by **Wayne Lashley**, TSI COO, later in the morning in a live demonstration of the transformation of a small NATURAL/ADABAS application to Microsoft C#/SQL Server using TSRI's JANUS™ toolset in conjunction with TSI's **tRelational/DPS**. Attendees were impressed by the fact that the entire transformation (except for the migration of the ADABAS data itself) was accomplished on a laptop computer as Mr. Newcomb demonstrated both the "before" NATURAL/ADABAS application as well as the functionally-identical "after" C#/SQL Server, and showed the transformed code.

Rounding out the morning, **Scott Rosenbloom**, Midrange Alliance Program Manager, Microsoft Corporation, spoke on "*The Business of Mainframe Migration to Windows*". Mr. Rosenbloom presented a powerful case for why the Windows platform is not only capable of supporting mainframe-style workloads, it is becoming a popular choice for organizations migrating such workloads off the mainframe. According to Mr. Rosenbloom, customers choose Windows in order to improve operations (cost, supportability and agility), develop relationships with customers and partners, and drive innovation. He highlighted customer cases involving mainframe migration through strategies of integration, replacement, replatforming and rewriting.

A roundtable lunch enabled attendees to interact directly with the speakers and other attendees, with many lively discussions ensuing.

The afternoon began with **Michael Weiss**, VP Sales for MOST Technologies, Ltd., presenting "*Preserving the Legacy Business Through Automated Transformation*". Mr. Weiss gave an overview of MOST's OnTarget solution that provides—through one common, automated and field-proven technology—capabilities for database migration, program language reengineering, and transformation of legacy applications. Success stories for NATURAL/ADABAS to NATURAL/DB2 and NATURAL/ADABAS to COBOL/DB2 were discussed, as well as possibilities for targeting Oracle, MySQL and Java. Mr. Weiss emphasized MOST's background in NATURAL/ADABAS technology as a key risk mitigator in migration projects.

Software AG partner innoWake followed, represented by Solution Specialist **Arne Gerhard** and Managing Director **Thorsten Bernecker**. In "*Modernizing NATURAL*", they offered alternative approaches that focus on the business drivers of productivity, functionality and cost, recognizing that "You can't stop the wave—but you can learn to surf." Attendees were shown how the NatClipse product extends the Eclipse development environment to NATURAL developers to enjoy

the productivity and ease-of-use advantages of code completion, tasks, and versioning. innoWake's maxenso offerings were also used to demonstrate Model-Driven Architecture (MDA), Service-Oriented Architecture (SOA) enablement, green-screen replacement and application integration.

Vitaly Khusidman, Ph.D., Director of Enterprise Modernization, Unisys Corporation, gave a very comprehensive presentation in his "*Unisys Approach to Enterprise Modernization*". Mr. Khusidman is another contributor to worldwide thought leadership in ADM through his involvement with various OMG task forces. The audience learned about six modernization styles and how they can be employed in tactical to strategic scenarios, including Re-Hosting, Language and Data Translation, SOA Enablement and Knowledge Based Modernization. Unisys offers its "ADM Horseshoe Approach", Mr. Khusidman explained, to help organizations evaluate the costs, risks and business value return in selecting the appropriate modernization strategies for each component in the legacy application portfolio—a portfolio that, without modernization, is rapidly becoming a liability rather than an asset. His presentation put perspective to the various strategies and product and service offerings that had been described previously in the day.

The day wrapped up with a panel Q&A session involving all the presenters. It was clear from the questions and comments that the attendees had learned a great deal and were excited and intrigued about the strategies presented throughout the day. Given this level of enthusiasm and interest, the NAMS-IF committee is formulating plans for similar events in other national and international locations. TSI will be pleased to participate in these future events if invited. Readers are advised to visit www.nams-if.org regularly for news and updates. If you are interested in requesting or helping organize a NAMS-IF event close to you, please contact Lewis Delauder, namsif@nams-if.org.



From left to right: Thorsten Bernecker, Wayne Lashley, Arne Gerhard, Scott Rosenbloom, Michael Weiss, Philip Newcomb, Todd Britton, Vitaly Khusidman, Ph.D., and Lewis DeLauder

European Bank Employs Anubex Conversion Tools And TSI's Data Migration Products to Migrate NATURAL/ADABAS

A large European bank has recently given the green light for a complex project involving the migration of its NATURAL/ADABAS applications to a COBOL/DB2 environment. The project is a joint collaboration involving TSI, TSI's partner the Belgian software company Anubex, and a well-known US systems integrator. The agreement follows a successful pilot phase that was completed in 2006.

Although renowned for its stability, NATURAL/ADABAS is a legacy application environment with a user base that has been under increasing pressure to migrate, as many customers cite TCO, skills availability, and licensing concerns—and the number of sites using the technology is shrinking.

This particular bank's project involves migration of legacy applications to a more mainstream and evolvable COBOL/DB2 environment with CICS, using the Anubex NATURAL/ADABAS migration toolkit and TSI's **tRelational/DPS** ADABAS-to-RDBMS data migration software. Approximately seven million lines of code, and hundreds of database files, are to be migrated.

The systems integrator is charged with coordinating and implementing solutions from both Anubex and TSI.

The Anubex NATURAL/ADABAS migration toolkit automatically translates NATURAL to COBOL code, enabling a full transformation in a fraction of the time and cost of a manual redevelopment. The code is made free of its dependencies on the NATURAL runtime environment, is 100% functionally identical to the original, and retains its structure and ease of maintenance.

The agreement with the bank follows a pilot phase during which Anubex tools were tested in the migration of approximately 100,000 lines of NATURAL code to COBOL. Anubex has provided the toolkit training and documentation to the system integrator, as the latter will eventually be responsible for the technical migration, testing, and final delivery of the project.

According to the Project Manager for the systems integrator, several application migration competitors had been contacted to undertake the code transformation part of project but each was unsuccessful for various reasons. The bank also reported that they tried to do the migration project with the same competitor companies, also without success.

After discussions early on in the project, TSI was contacted to do a presentation about migrating data from ADABAS to DB2. The presentation was given via Webex (TSI's preferred Internet meeting and presentation center) and demonstrated the capability of **tRelational/DPS** and **DPSync**. First shown was a "one-time migration" scenario with a single Extraction-Transformation-Load (ETL), then a "real-time-propagation" scenario using Change Data Capture (CDC). Shortly thereafter, and after having evaluated other options, the systems integrator requested that TSI conduct a Proof of Concept (POC).

Within one week, TSI gathered all necessary information, set up a team to prepare for the POC, and e-mailed the "to-do" list and "what-is-needed" list that facilitate success in a short-duration POC. The systems integrator responded with all the answers and actions required.

The following week, **Dan Vimont**, TSI's **tRelational/DPS** Product Manager, and **Rolf Vollmer**, TSI's European Sales Manager, successfully executed the ADABAS-to-DB2 POC itself, and Dan provided an on-the-job training session to the systems integrator's key technicians. They immediately started using the TSI products, and since then from time to time have come back with questions, reports, and enhancement requests to the software. As a result, additional functions were incorporated into **tRelational/DPS**, either as standard enhancements or as user-specific extensions, adding to the already-unique and market-leading ADABAS-to-DB2 capabilities of **tRelational/DPS**.

With the pilot project declared a success, the systems integrator reports that the full project is now moving forward. •

PROJECT OVERVIEW



ANUBEX



Treehouse Software, Inc.

The NATURAL/ADABAS environment of the bank must be migrated to COBOL/DB2.

A POC precedes the actual project, which consists of three applications to be migrated.

The NATURAL/ADABAS environment of the bank comprises:

- Hundreds of Applications
- Thousands of Programs
- Hundreds of ADABAS files

Operating System: z/OS

Project Timeframe:

The overall project timeframe is approximately 3 to 5 years.

NATURAL-to-COBOL application migration is performed using the Anubex conversion toolkit, requiring a denormalized DB2 data model.

ADABAS-to-DB2 data migration, including all necessary transformations to support the required DB2 schema, is accomplished with TSI's **tRelational/DPS**.

Management of the conversion of the complete application is conducted by the US systems integrator. This includes all tasks involved in project management, application design for the target environment, planning of the migration and propagation of data, and the creation of ad-hoc developed tools for special tasks.

Relational Enhancements Provide Comprehensive ADABAS Emulation in Target RDBMS by Dan Vimont



schemas derived from ADABAS and Predict metadata. However, the new wave of **tRelational** users tend to be doing full-scale migration of NATURAL/ADABAS applications to COBOL, Java, and .NET applications running on top of relational databases (RDBMSs), and **tRelational**'s old-fashioned "autogen" just wasn't cutting it for these guys. They demanded, and we are now delivering, much more comprehensive ADABAS emulation in the RDBMS constructs that are generated by **tRelational**.

When generating RDBMS schemas, our users now have the following new "ADABAS emulation" options:

- ISN emulation*
- Special descriptor emulation*
- RDBMS Views derived from Predict Userviews

* We take advantage of vendor-specific features in our supported target RDBMS systems to provide emulation of ADABAS ISN functionality and special-descriptor indexing.

Over the last year, the new options listed above have been road tested in a large NATURAL/ADABAS to COBOL/DB2 application conversion now taking place at a major financial institution in Europe (see [article on page 6](#)).

However, these enhancements still aren't enough for those of our users who are migrating to Java and .NET based applications. In the interest of automatically providing a full data-access layer for this important group of developers, we are currently delving into the world of ORM – Object Relational Mapping -- actively researching having **tRelational** generate parameters for products like Hibernate and Oracle TopLink. The research thus far is promising, and in very short order we will provide push-button generation of a complete vendor-neutral data-access and data-management layer for Java developers. We are also keeping an eye on Microsoft's LINQ technology (ORM for .NET), which is scheduled to become available later this year. •

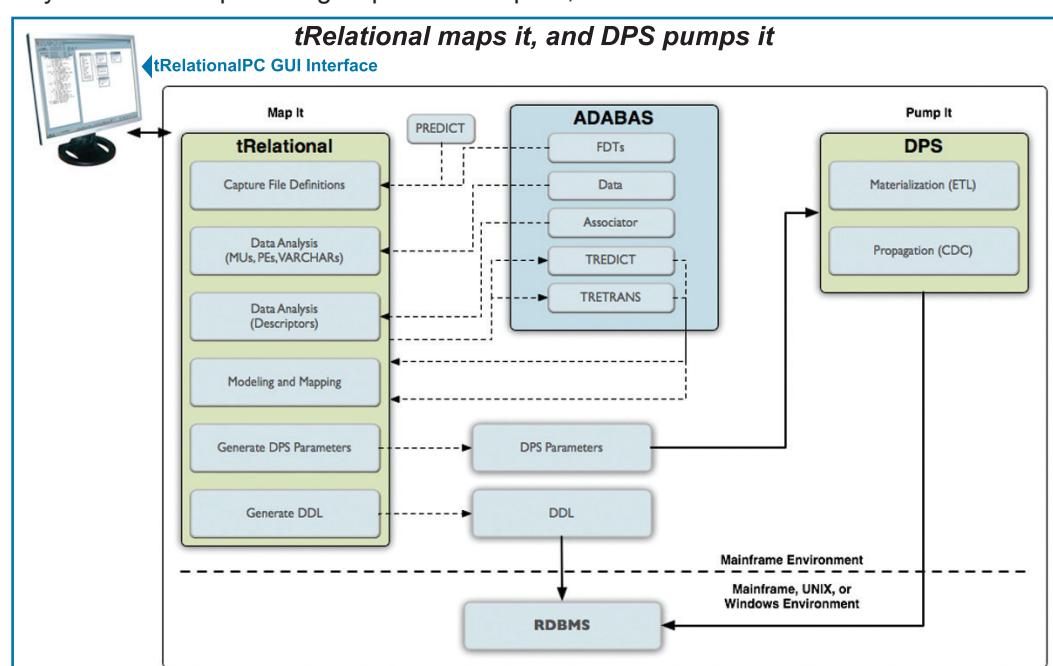
Recently, the next generation of **tRelational** users has begun demanding an extensive new range of functionality from this Treehouse flagship product. The old guard had consisted mainly of those who were using **tRelational/DPS** to populate data warehouses and perform other enterprise data-integration tasks, and they tended to be very happy with the traditional **tRelational** functionality that provided, among other things, push-button auto-generation of complex RDBMS

tRelational is a Key Part of TSI's ADABAS Data Migration Solution

tRelational and **Data Propagation System (DPS)** are robust products that provide modeling and data transfer of legacy ADABAS data into modern RDBMS-based platform for Internet/Intranet/Business Intelligence applications. Treehouse Software designed these products to meet the demands of large, complex environments requiring product maturity, productivity, feature-richness, efficiency, and high performance. **tRelational** maps it, and **DPS** pumps it.

Map it, Pump It, and Sync It

tRelational optionally auto-generates complete RDBMS schema from existing ADABAS files, and alternately allows easy mapping of ADABAS fields to pre-existing data warehouse, or ERP, or migration-target schemas. After **tRelational** does the mapping, **DPS** can then materialize (initially load) and propagate (subsequently keep synchronized) the ADABAS data into the RDBMS without requiring direct access to ADABAS.



Treehouse Software Products

ADABAS-to-RDBMS Data Migration:

DPS - ADABAS-to-RDBMS data materialization (ETL), replication, and propagation (CDC) software

DPS X-Link - Instant XML-based read/write access to ADABAS

DPSync - Real-time ADABAS-to-RDBMS data propagation (CDC) software product set

tRelational - ADABAS modeling, mapping, and data analysis tool; DPS parameter generator

tRelationalIPC - Windows-based graphical interface to make the tasks of modeling and mapping even simpler

Treehouse Remote Access (TRA) - Middleware that allows tRelationalIPC to communicate with tRelational on the mainframe.

NatQuery - GUI-based tool that intelligently generates NATURAL code to handle all of the complexities of data extraction from ADABAS

NatCDC - Add-on to NatQuery designed to create immediately-usable data out of the ADABAS PLOG

Software AG Related:

ADAMAGIC - Tool for converting mainframe ADABAS files into ADABAS for UNIX/Linux/Windows, flat file, or comma-delimited formats

ADAREORG - File reorganization tool for ADABAS

ADASTRIP - Data extraction utility for ADABAS

AUDITRE - Generalized ADABAS auditing facility

CHART for NATURAL - NATURAL application analysis and documentation tool

Software AG Related (continued):

EspControl - Change control system for NATURAL on open systems

N2O - NATURAL application change management system

N2O/3GL - 3GL support within N2O for PANVALET, LIBRARIAN, ENDEVOR, and PDSS

PROFILER for NATURAL - NATURAL quality assurance and testing tool

SECURITRE - ADABAS and NATURAL security interface to RACF, ACF2, and TOP SECRET

TRIM - ADABAS and NATURAL performance monitor

UNIX:

SEDIT - XEDIT and ISPF/PDF compatible editor for UNIX and Windows

S/REXX - REXX-compatible language for UNIX and Windows

S/REXX Debugger - Optional graphical debugger for S/REXX programs



Cubeware Analysis System - Everything needed for easy-to-use, self-service business intelligence for decision makers, managers, and departmental users

Phone: (412) 741-1677 Fax: (412) 741-7245 E-mail: tsi@treehouse.com Web: <http://www.treehouse.com>

TREEHOUSE SOFTWARE, INC.

409 Broad Street, Suite 140
Sewickley, PA 15143 USA

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