

STRATEGY 7
CORPORATION

MULTIVALUE MIGRATION SERVICES



S7Designer promotes legacy preservation.

S7 DESIGNER

ability to realize

the latest advances in

database management

ahead of the curve

The Dilemma:

Companies have invested heavily to develop business applications that are functionally rich and specifically tailored to their unique requirements. These applications are known to their users and IT staff and they can be maintained at a fraction of the TCO (total cost of ownership) of other commercially available applications. Unfortunately, these applications were designed to run on aging multivalue database technologies with limited interoperability and resiliency and were considered to be incompatible with modern database technology, until now...

Introducing **S7 Designer** by **Strategy 7** and application emulator

S7 Designer is a revolutionary middleware product that allows your information to be stored in a relational database without the need to re-engineer your proven business applications. **S7 Designer** solves the dilemma and gives you the best of both worlds. You can keep your proven applications which means low TCO, no additional application investment, no user re-training and no frustrating. You can utilize the latest database technology and remove the limitations associated with your multi-value database.

A Complete Solution

Strategy 7 Corporation is a leading provider of MultiValue database products and services. We are also a premier sales and service partner for IBM Data Management (U2 and DB2), IBM Hardware, Hewlett Packard. With our extensive background in legacy MultiValue applications combined with our expertise in relational databases, hardware and operating systems, we can deliver a complete turn-key solution that will achieve your goals at the lowest possible cost - guaranteed.

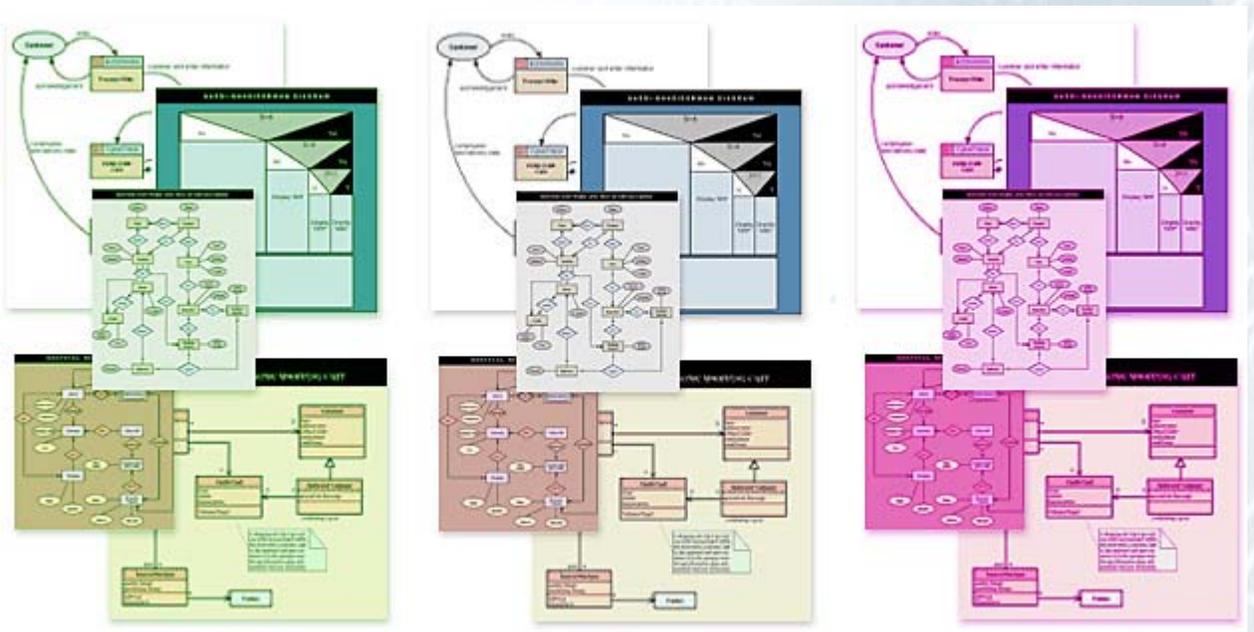
Choose IBM's DB2 and take advantage of additional incentives

DB2 is IBM's flagship database technology enabling fast, secure access to legacy data through intranets, extranets or the Internet. It can quickly integrate new web-based applications with existing core business applications and maintains enough capacity to incorporate the explosive growth in business made possible by the global reach of the Internet.

How it works

1. Your applications are automatically converted from proprietary MultiValue code to standard UNIX (or Windows) executables and libraries. Your users will notice no difference in the application. Your application programmers will notice no difference from a programming standpoint and can continue to build and maintain applications using MultiValue BASIC, PROC, Paragraphs and query languages or they can now choose to use conventional programming languages like C or Java.
2. Install your relational database or other MultiValue database system.
3. Use **S7 Designer** to analyze and refine one or more of your MultiValue files and automatically create parallel target table(s) for each.
4. Direct **S7 Designer** to copy data from your MultiValue file to the relational table(s) or MultiValue table.
5. Direct **S7 Designer** to re-direct file I/O to the relational tables

S7 Designer Digram:



Frequently Asked Questions

I see **Strategy 7** recommends DB2, is there a problem using Oracle or SQL Server? **Strategy 7** is a DB2 reseller so we can provide a single-source service and support contract. You may also choose to use Oracle or SQL Server with **S7 Designer**.

Do I have to keep my old MultiValue database product around to support any hashed-file data? *No, the solution provides a compatibility hash-file module that allows legacy hashed data to be stored. You may decommission the old MultiValue database product when you go-live with our solution.*

You say you convert our BASIC code to C which is compiled into a native binary for the platform. If so, can I still debug, trace variables and single step source code or do I have to do this in C? *Our solution provides a very rich environment will virtually all of the tools, bells and whistles to which your users and programmers have become accustomed. This includes a debugger that allows tracing of BASIC variables and allows display and single stepping of BASIC code. You may also debug at the C source code level if you wish.*

Does **S7 Designer** write each MultiValue record into the relational database as a single string does it write each MultiValue field as a properly structured relational column? **S7 Designer** can do both. *The tool examines the data and dictionary definitions from the MultiValue database and suggests column names and types for the relational database. You may accept these recommendations or define any other type of mapping you desire.*

What happens if my MultiValue application tries to update a relational field with data that does not fit the type definition of the associated relational column? **S7 Designer** allows for these exceptions by detecting the type incompatibility and storing the data elsewhere as a string. *The exception is logged and the mapping can later be examined and altered to cater to the incompatibility.*

What happens to my associated MultiValue tables that are nested within a file? **S7 Designer** allows the nested table to remain within the relational table. *It also allows for the nested table to be broken out into its own table as is proper for a relational database. As part of the file analysis that is performed by the tool, associations of MultiValue sets are detected and mapping to separate tables. In short, you can have it either way.*

We have some MultiValue sets that are not properly structured. What will happen to these? *We understand that not all MultiValue programmers understood the proper way to structure information within the MultiValue data model. We have several features of the tool that cater to these irregular structures.*

Is the mapping closed or is it extensible by the programming staff? *The mapping can be extended and modified by the programming staff beyond what is provided out of the box by the **S7 Designer** solution.*

Our application is not transaction-based, how does this translate to a transaction-based relational paradigm? *It is true that most MultiValue applications were "write and pray" meaning that the application does not verify that a write to the database was successful before proceeding. Without altering legacy source code with transaction semantics (e.g., Begin_Trans, End_Trans, etc) it is not possible to have true transactions. However, **S7 Designer** does allow the relational database to behave in a mode where each write to the database is considered its own transaction. In this mode, the relational database retains its resiliency but it is possible to have a database that is logically out of sync if a process terminates in the middle of a series of writes within a logical transaction. In laymans terms, your data is better protected from physical corruption but is no better protected against logical (transaction) corruption.*

S7 Designer carries significant technical, economic and time-related benefits:

- **Preserve your proven business applications**
- **Preserve your low TCO**
- **No application investments**
- **No user re-training**
- **No forced changes to business processes**
- **No changes to your hardware infrastructure***
- **Protects your enterprise application and information assets with the latest database technology: Rock solid, interoperable and ready to go.**

Strategy 7 Corporation specializes in migrating data application software to operate seamlessly on open systems platforms to a variety of Multi-Value Database Solutions. In fact, we are the largest independent provider of such services in North America. Our clients include Verizon, Union Pacific, EDS (2sites), State of New Mexico (4 sites), State of California, La Salle University Cigna, JCrew, Baylor University, University of Nebraska, British Tire and Rubber, Household Finance, Marriott and hundreds of others.

S7Designer Advantages:

- EXPERIENCE:** **STRATEGY 7** has performed more conversions and migrations than any other firm.
- RELIABILITY:** **STRATEGY 7** services are recommended and used for migration opportunities throughout North America.
- STABILITY:** **STRATEGY 7** is ranked number three in multi-value database sales volume of all value added resellers from 1992 through 2001 (Based on fiscal years)
- SUCCESS:** **STRATEGY 7**'s principal business focus is migration services with hundreds of sites completed.
- COMMITMENT:** **STRATEGY 7** is committed to customer satisfaction with a fixed-cost, non-nonsense, get the job done right policy.

With s7 Designer,

STRATEGY 7 provides organizations with a complete and cost effective migration strategy addressing hardware, operating system, relational database, training and conversion issues.