D3® DATABASE MANAGEMENT SYSTEM

Delivering Proven Multidimensional Technology to the Evolving Enterprise

SYSTEM HIGHLIGHTS

Efficient Performance:
D3 delivers high performance via its efficient file system that requires minimal system and memory resources.

Flexibility:
D3 scales with your enterprise, from one to thousands of users.

Seamless Interoperability:
Connectivity tools allow D3 to interoperate seamlessly with varied databases and host environments.

Openness and Mobility:
Securely and simultaneously access the database from remote or disparate locations worldwide.

Cost Efficient:
Reduces operating and system management costs – D3 systems can be easily managed part-time by non-technical staff.

TigerLogic helps companies make better use of their data through proven data management and rapid application development products for creating Enterprise and Web-centric business software.

TigerLogic serves more than a half-million active users representing over 20,000 unique customer sites worldwide.

Visit tigerlogic.com to learn more about TigerLogic's full suite of products and technical support services.

TigerLogic

PROVEN TECHNOLOGY

For over 30 years, the Pick Universal Data Model (Pick UDM) has been synonymous with performance and reliability; providing the flexible multi-dimensional database infrastructure to develop critical transactional and analytical business applications. Based on the Pick UDM, TigerLogic's D3 database management system, offers enterprise-level scalability and efficiency to support the dynamic growth of any organization.

Rapid application development and application customization requires an underlying data structure that can respond effectively to ever-changing business requirements. D3 is simplistic in its structure, yet allows for complex definitions of data structures and program logic.

D3's .NET API provides compatibility with the Microsoft .NET Framework to extend transactional access to the Pick UDM from all Microsoft Visual Studio supported languages including Visual Basic, C# and C++. In addition, Java developers can access D3's data files using D3's Java API.

WHY DEVELOPERS CHOOSE D3

D3 is the choice of more than a thousand application developers world-wide--serving top industries including manufacturing, distribution, healthcare, government, retail and other vertical markets. The D3 database-centric development environment provides software developers with all the necessary tools to quickly adapt to changes and build critical business applications in a fraction of the time as compared to other databases; without compromising data integrity and with low administration costs. For creating real-world applications, D3's way of managing information has proven vastly superior to other database schemas.

THE D3 TOOL BOX

D3's development tools are intimately knowledgeable of the multi-value data structure, which facilitates rapid development without the need to interface with low-level functions:

.NET API
Supports Microsoft's .NET Framework and provides a native bridge between a .NET application and a D3 data source

FlashCONNECT
Provides full-featured Web-to-D3 connectivity for D3 to read and write to Web pages natively in real-time

JAVA API
Allows Java developers access to D3 multidimensional data from their preferred Java IDE

D3 HOT BACKUP
Ensures availability of data by providing high-performance replication of D3 data files from a production server to a secondary failover server

TIGERLOGIC XDMS
XML database management server allows developers to expose, process, integrate and cache multi-value data with other data sources

TIGERLOGIC DASHBOARD
Enables developers to select and present critical business data in intuitive Web-based graphical interfaces

FEATURES:

MULTIDIMENSIONAL DATABASE:

Multi-value:
Transcending the limitations of two-dimensional relational models, TigerLogic's multi-value database model adds additional dimensions to reflect true business data modeling. Multi-values, along with their sub-values and associated sub-multi-values, permit the stacking of data and/or keys within a field or fields and eliminates the need for dependent tables and joins.

Limitless:
Files may consist of an unlimited number of records. Records may have up to two billion fields. Fields may be up to 2GB (numeric or string). A process may open up to 32,000 files.

Dynamic:
Fields can change dynamically, thus having no length or data type restrictions. Adding fields to a file does not require reformatting or restructuring.

INTEGRATED DATA:

Data Dictionaries:
Field definitions are stored in an integrated data dictionary providing for conversions, formatting and self documentation. Multiple definitions may be used on all fields. The dictionaries also provide the interface for database triggers.

DATA ACCESS:

AQL™:
D3 includes a powerful English-like query and command language, Access Query Language (AQL), most useful for creating result sets and reports.

Connectivity:
The Open Systems File Interface (OSFI) allows D3 applications access to "foreign" files and relational database structures. TigerLogic's OpenDB product allows seamless access to data in an RDBMS. Relational data can be read, written and selected as if it is D3 data.

ODBC Support:
D3 multi-value data is available through ODBC and SQL. The D3 ODBC interface supports the use of relational front-end tools which facilitates reporting and sharing information with applications based on relational database technology. D3 has multiple avenues to move or access data, including OSFI/ODBC, SQL/ODBC, .NET, Java and more.

FILE SYSTEM:

Disks:
The File System may reside on top of a group of host-system files or on a raw storage device for maximum performance. Additional storage devices may be added at any time without rebuilding the D3 database.

Rapid Data Access:
A hashed indexing scheme on primary record keys assures access to data elements with a minimum of disk reads regardless of database size. This D3 distributed disk management enhances performance.

Secondary Indexing:
Cross-indexing is supported for fast access to records via secondary keys. Balanced-tree index maintenance and synchronization is performed automatically by the system during all updates.

On-Line File Resizing:
An on-line file resizing utility is provided to keep files in an optimal state without interrupting processing or user access to data.

SYSTEM:

Security:
Multilevel security supports user and account passwords and file access restrictions as well as update name and date stamping.

Memory:
Through shared program object code usage and virtual memory management, D3 requires as little as one-fifth the memory per user of other database products.

Importable/Exportable:
Import and Export features facilitate complete movement of data between environments. Files can be maintained where most often used, and portability between versions of D3 makes data and programs transportable between development and production systems.

For system requirements and operating system compatibility, please see the related product pages and Product Status Sheets at tigerlogic.com for more information.

Contact Information
For further information on D3 or any of TigerLogic's products and services, contact your local sales representative via email sales@tigerlogic.com or visit us online at **tigerlogic.com.**

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