

FastReader™



With the introduction of FastDirect™ technology in FastReader, WisdomForce sets the bar substantially higher, in terms of speed, scalability, configurability and affordability

Today's Organizations are awash with data. Even the smallest of organizations accumulate 2-3 TB of data every year from internal applications (payroll, sales, CRM, ERP, support, personnel management ...) and various external sources (e.g. sales leads, applicant tracking, and sales force automation).

The location of this data is usually dictated by the applications and IT policies. Most of this data typically resides in multiple databases spread across data centers, servers, hosted services and occasionally desktops.

MIS Managers are frequently requested to provide access to this data in near real time to provide senior executives a window into the functioning of the enterprise, irrespective of the actual source, location or format of the data.

FastReader from WisdomForce Technologies is a high performance database migration solution built on FastDirect technology, which allows for automated retrieval and conversion of large data sets between various databases, irrespective of database vendors and versions.

Highlights

- High Performance data and schema extraction engine supports all widely used databases (Oracle, SQL Server, MySQL, DB2, Sybase, Netezza ...).
- Runs on all leading Operating systems (Windows, Solaris, Linux, AIX, HP-UX, Tru64 ...) and platforms (x86, IA64, AMD64 ...).
- Integrates with your existing infrastructure (RAC, ASM, OS Authentication, Monitoring)
- Wide range of data formats including ASCII, EBCDIC, Comp-3, Fixed length, XML).
- Built-in full automation of operations and integrates with existing home-grown scripts, via a rich Command Line Interface.
- Intuitive and well designed interface reduces learning curve and maximizes productivity.
- Automated Schema detection and creation (w/ awareness of tables, data types, constraints etc...).

Benefits

FastReader is geared towards providing efficient and easy access to large amounts of data. The application is db aware and uses minimal system resources, at run time. The following are some the benefits that it provides to our current users.

MIS, EIS Support

A significant amount of corporate data resides in large repositories, spread throughout the enterprise. MIS staff spends over 80% of their budgets, to extract or prepare data from these OLTP for Data Warehousing, OLAP environments. Often this data from the feeder systems is neither validated, nor portable and nor consistent across all sources, leading to repeated and error prone changes to vital data on a recurring basis.

FastReader serves as an efficient feeder system that provides quick and secure data transfers between disparate sources with high-speed data compression.

Business Continuity

The efficient and near-real time backup of critical data, allows for faster disaster recovery scenarios and allows organizations to enforce Continuous Data Protection (CDP), a feature, until now, unavailable for database administrators.

Compliance & Security

Organizations large and small, across a wide segment must comply with various legislative policies, including Sarbanes Oxley, HIPAA, PCI. CSOs are burdened with the issue of providing data to various users, while selectively blocking out sensitive data, on per user basis.

FastReader is used to extract data, based on definable criteria and hence users can be exposed to all or parts of the information on an as-needed basis. Hence, customer service can access a copy of the ERP database and get a view only into the customer/RMA information, while the CFO can dig deeper into any of the customer and finance data that resides in the ERP system. Selective backup/export of data, based on user definable criteria and backup of individual tables, allows for compliance with internal and external policies and requirements.

FastDirect™ Technology lies at the heart of FastReader. It:

- provides performance gains of over 20X over comparable tools.
- bypasses traditional database engines, providing scalability, speed of connectivity, data transfer and conversions.
- ensures low CPU utilization, thereby minimizing overhead on production systems.
- is db aware (partitions, chained rows and binary aware)

Development and Test Environments:

Development and test teams, frequently require access to production quality data, to enhance and verify their internal applications. The test beds are setup and torn down at a relatively high rates and the quality and timeliness impact the roll-out of the applications.

Fast Reader allows for easy reproduction of live database environments, thereby allowing for early exposure to issues, early on in the engineering cycle.

Initial Data Synchronization

As the impact and usage of an application within an organization increases, users rely on instant access to data at all times via various modes such as the traditional desktop, web, handhelds etc... and this implies that the data should be cached at multiple locations closer to the users allowing for both quicker access and redundancy.

Large databases require several days to synchronize with newer databases that may be brought on line. Large retail customers using FastReader can perform their initial data synchronization at blazing speeds and subsequently enable database replication for synchronization of ongoing changes.

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