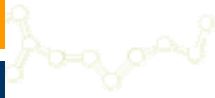


White Paper- Data Integration

Synopsis: This white paper lists some of the key challenges which medium and small trading organizations face with respect to data integration. How Hyper Rig platform can help organizations to address these data integration problems is also listed.



One of the biggest challenge organization faces today is the fragmentation of data across multiple disparate systems with increased complexity. Over the last few decades organization have invested heavily in applications and systems that have increased efficiency through process automation. These systems generate massive volumes of data that is housed in disparate systems that are not designed to share the data.

Data is critical for running the business but organizations can not realize the full business values of their enterprise data unless they can effectively integrate and move it between systems, delivering it when and where it is needed. Data integration should be complete, flexible and integrated so that the organization can address the challenges.

Hyper Rig's single and unified integration platform allows organizations to access and integrate data from virtually any business system in any format and deliver data throughput at any speed using the grid architecture.

Some of the most common data integration problems faced by organizations are:

Data Island

With the advent of new fragmented systems, comes the problem of data Island. Each of the fragmented system has its own localized data, crates data islands. The data maintained by one system is not accessible by other system.

Hyper Rig's ETL component allows creation of bridges across data Islands and creates a single unified platform that offers a holistic and universal data access with metadata analysis and reporting.

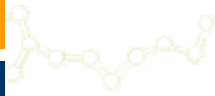
Data Volume and Timeliness

The data volume growth with the passage of time and implementation of new applications/system to support the business needs, creates massive volume of data. To timely get the required data from this vast sea of data is a Herculean task.

Hyper Rig's MDM tool allows tagging of data so that the required data can be retrieved. The grid architecture gives very fast access to the data as and when needed. Hyper Rig with grid architecture offers a single, unified platform with unparallel performance.

Data Latency

Data latency is defined as the time lag between the current data and the time of the most recent data available. It forces companies to work with stale data wait hours or days for queries to complete, and settle for coarse summary results because detailed analysis takes too long. As a result, many enterprises are not getting the business intelligence they need to succeed. In case of disparate



systems the non-availability of most recent data may result in in-appropriate reporting and decision making.

Hyper Rig's platform with grid architecture offers unparalleled speed of data transfer and performance. The workflow component of Hyper Rig allows the user to define and map the business process electronically. Hyper Rig has a smart Data Watch component that detects relevant changes in the data landscape and triggers ETL processes to provide rules based data transfers and making the most recent information available where and when needed. The data synchronization can either be performed in real time or near real time mode.

Data Format and Mapping

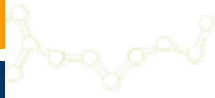
The data format and mapping forms an integral part of data integration. As the same information may have different data labels and formats in different system it becomes a challenge to map the correct fields across various systems as well as to keep the data mapping documents updated. As the information gets passed from one team member to another the mapping becomes more and more blurt and confusing in text form.

Hyper Rig's ETL component provides a graphical mapping tool using which multiple disparate definitions of items (for e.g. names of customers and products in various systems) can be used to create the final definition. The graphical representation is much easier to understand and maintain. The graphical mapping helps the new users to understand and maintain the mapping more efficiently

Data Federation

Data federation is a form of data integration that allows data to remain in place and to be integrated and surfaced as needed. It allows the query and use of data from multiple systems without the physical movement of data source. Due to its dynamic nature, this technique can solve the potential problems where there is no need to access large amount of data or data from many underlying system.

Hyper Rig's high speed enterprise grid and data caching allows the users to access the distributed data as and when needed without really moving the data across systems. The grid architecture ensure the data is available when and where needed without compromising on data access speed.



Hyper Rig Platform Advantages

By providing a complete portfolio of data integration capabilities, Hyper Rig platform:

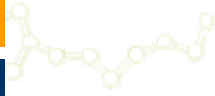
- Allows fast and accurate decision making based on holistic data view.
- Save hardware costs by making better use of existing computer resources and reduce risks and costs of data downtime.
- Eliminates delivery delays and high costs associated with buying and implementing any out of box solution which is a misfit. It allows the IT to build custom code suited for specific needs. It provides a single, integrated platform that expands as per user needs.
- Eliminates business and technical problems caused by inaccurate, contradictory and inconsistent data by embedding data quality within data integration processes and providing a single view of your customers, products and other entities.
- Bridges the gap between what you have—a mountain of inconsistent data from a variety of sources—and what you want to achieve—consistent data, flexible operation and rapid results.
- Responds efficiently and effectively to business needs for holistic information with universal data access and metadata analysis and reporting.
- Enhance IT department's agility and responsiveness to business needs with broader and universal data access.

The Hyper Rig Difference

Complete: Hyper Rig is built as a comprehensive enterprise data integration environment with the ability to meet the full spectrum of data integration needs. Hyper Rig delivers a data integration solution that is tightly integrated with performance and reliability built-in.

Reliable: Hyper Rig solutions techniques are time-proven to be "rock solid", trusted, stable and resilient. You can rely on our commitment to our customers with unparalleled technical support and expertise that spans all industries.

Flexible: Regardless of your data integration needs, from simple, one-time migrations to complex, real-time integrations, Hyper Rig technology can meet those needs—in a way that is appropriate for your organization's unique circumstances



About Hyper Rig

Hyper Rig is an IT products company specializing in solutions that solves key business problems for its customers. Hyper Rig's integration platform is suited for trading enterprises. Its open and flexible architecture helps customers meet regulatory requirements quickly and cost-effectively.

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