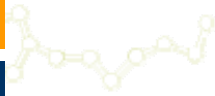


## White Paper- Data Governance

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



Data quality 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 where and when it is needed. One of the biggest challenge organization faces today is the quality of data.

Data governance refers to the overall management of the availability, usability, integrity, and security of the data employed in an enterprise. A sound data governance program includes a governing body or council, a defined set of procedures, and a plan to execute those procedures.

Hyper Rig's single and unified integration platform allows organizations to access and manage data quality and deliver data throughput at any speed using the grid architecture, while maintaining the data security.

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

### **Master Data Management**

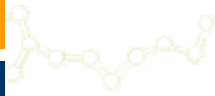
Master data management (MDM) is uniquely identifying each instance of a business element (customer, product etc.) and representing these instances using a standardized data model. Creating a master data environment enables organizations to provide a single source of true data around which enterprise systems can be synchronized.

This requires extracting key data from diverse operational environments to create a system of record files, establishing links to keep that system and operational system files in sync, and providing fast access across all operational systems to master data without degrading operational performance.

**Hyper Rig's** Hyper Rig acts as a virtual integration platform, supported by a layer of metadata, to facilitate the intelligent design and implementation of master data environments. With the ability to read and write to virtually any data on any technology platform in batch and real time, Hyper Rig provides unsurpassed data access. Reusable business rules clean, standardize and enhance data as it moves into the master reference file so that all information is accurate.

### **Data Tagging and Versioning**

Once the data has been cleaned and validated it can be tagged. Tags are pieces of information stored in a stream that are not the content itself, but describes the contents and increases the contents value to the organization. A tag allows keyword-based classification of information and makes the relevant data search much faster.



Data versioning allows the user to version the data so that same can be retrieved to create the point of time snapshot as and when needed.

**Hyper Rig's** Hyper Rig allows the user to define and use the data tagging elements. These data tagging elements can be updated as and when required. Hyper Rig allows the user to version the data as and when required. The versioned data can then be used to create the point of time data snapshot whenever required. The versioning and tagging is achieved in Hyper Rig using the additional user defined data fields. The grid oriented architecture of Hyper Rig allows very fast and efficient access to tagged and versioned data.

### **Data Storage**

**Hyper Rig's** Hyper rig master data management component can be used to effectively store the data across multiple storage devices. The grid oriented architecture of Hyper Rig allows fast and efficient data storage.

### **Data Backup and Recovery**

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 and requires efficient data backup and achieving.

**Hyper Rig's** data manager component along with ETL component can be used for automated back up creation and recovery. The system can be configured to move the old data on backup storage devices freeing the memory and primary data storage spaces. The data management component is smart enough to retrieve the old data as and when required by any application. The whole process of retrieving the data as and when required is highly efficient as well as transparent to the end user. The use of service oriented architecture and grid computing makes the retrieval process fast enough for user's to notice any performance bottleneck.

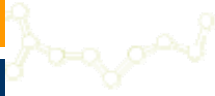
### **Security**

As the organization moves from disparate systems to an integrated data management systems, the data security gains paramount importance.

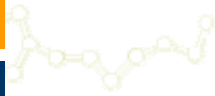
**Hyper Rig's** security manager with single sign on allows only authenticated users to access the information. The security manager also integrates with windows user authentication ensuring user does not require a separate login once logged in the windows. Security manager allows the user to define entity level security.

### **Enterprise Reporting**

In today's word availability of right information at right time is the key to success. The vast sea of data is meaningless unless meaningful reports can be generated after analysis. Reporting includes providing requested piece of information



reliably and securely. People want relevant information delivered with the Enterprise Reporting and analysis functionality appropriate to their task. **Hyper Rig's** offers user a platform using which the user can create the reports on the fly. The report generation happens at an amazing speed, thanks to the grid architecture supported by Hyper Rig.



## Hyper Rig Platform Advantages

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

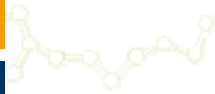
- Optimizes system performance using grid architecture in response to changing business requirements
- Responds efficiently and effectively to business needs for holistic information with universal data access and metadata analysis and reporting.

## The Hyper Rig Difference

**Complete:** Hyper Rig is built for comprehensive data governance environment with the ability to meet the full spectrum of data needs. Hyper Rig delivers a data governance 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.

**Flexible:** Regardless of your data governance needs, from simple one-time migrations to complex real-time integrations, Hyper Rig technology can meet all these 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 latest integration platform is suited for companies in the financial trading and risk management markets. Hyper Rig's open and flexible architecture helps customers to be agile to meet new business and regulatory requirements quickly and cost-effectively.

#### **Hyper Rig Ltd**

37 Coborn Street  
London E3 2AB, UK  
Tel: +44 (0) 208 980 3541  
Fax: +44 (0) 779 356 1481  
[www.HyperRig.net](http://www.HyperRig.net)

#### **Hyper Rig Software Pvt Ltd**

B-119, Ashok Nagar  
Ghaziabad – U.P., India  
Ph: +91-120-410 5172  
Fax: +91-120-279 5248