

# Accelerated Multi-Source Query Performance With Data Federator

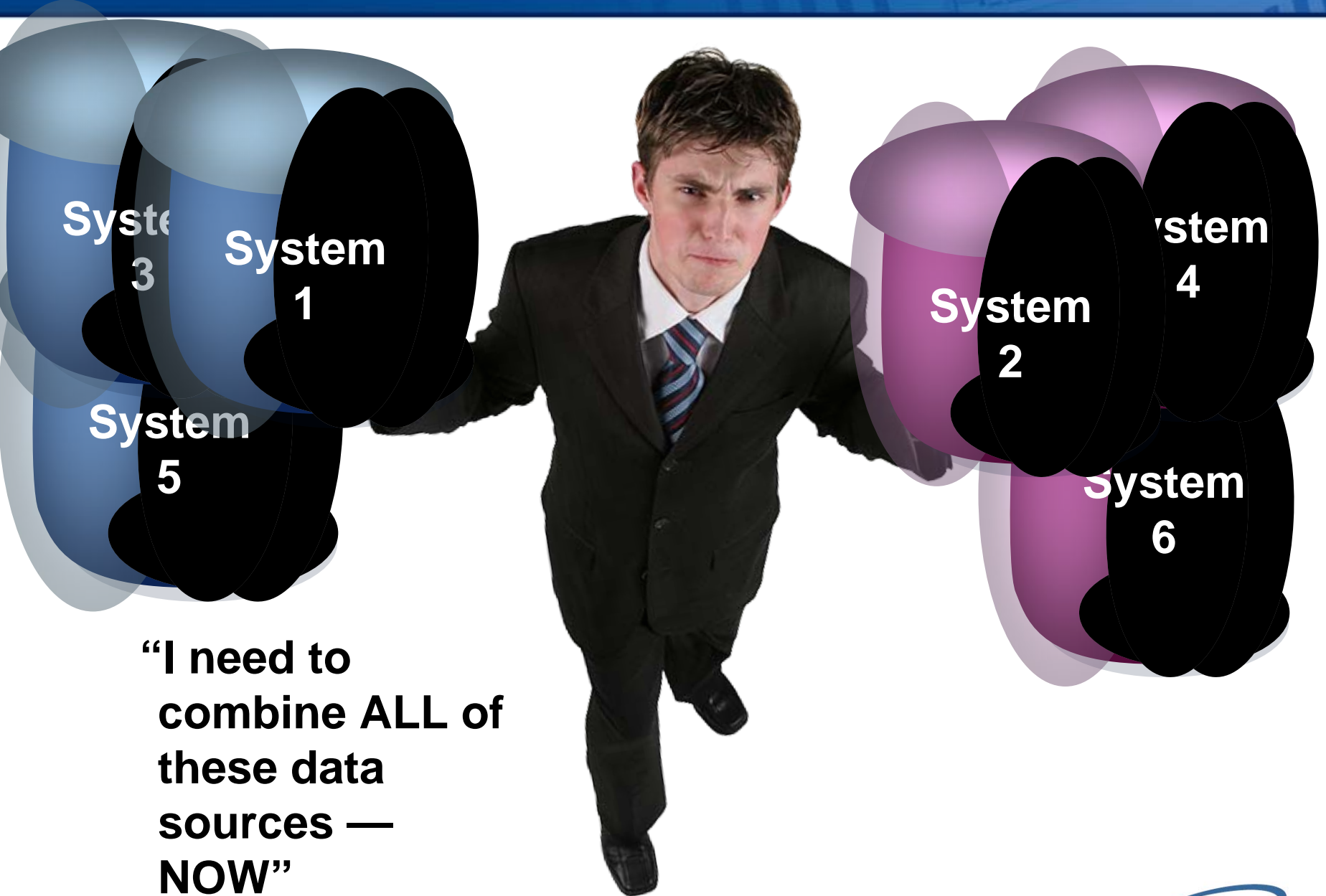
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# Topics

- ▶ **The pain**
- ▶ **The known solutions today**
- ▶ **How Data Federator can help**
- ▶ **Conclusion**

# Business Reality



**“I need to  
combine ALL of  
these data  
sources —  
NOW”**

# Topics

- ▶ The pain
- ▶ The known solutions today
- ▶ How Data Federator can help
- ▶ Conclusion

# Traditional Approaches to Solving the Problem

- ▶ **Multiple data providers in reports**
  - Use several universes to create report
    - Pros: faster time to value, easy and fast to implement
    - Cons: query performance can be less than optimal
- ▶ **Data integration (ETL)**
  - Create a data mart or a data warehouse by physically moving data from the various sources
    - Pros: provides great performance
    - Cons: longer time to value, lengthy and costly process

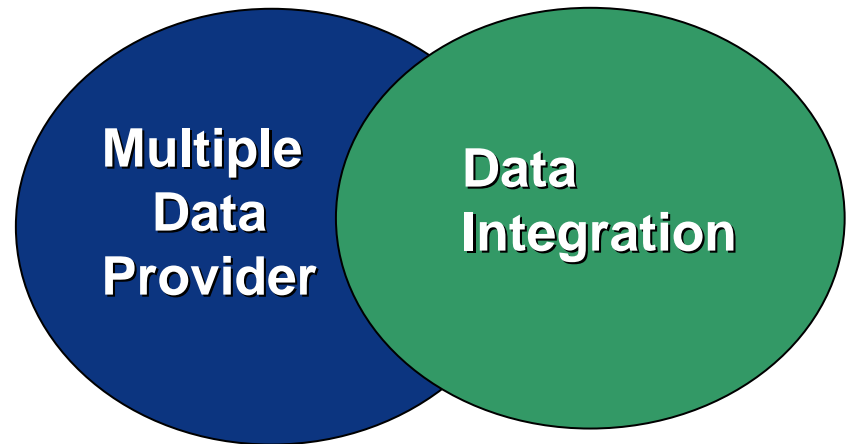
# Topics

- ▶ The pain
- ▶ The known solutions today
- ▶ **How Data Federator can help**
- ▶ Demo
- ▶ Conclusion

# Wouldn't It Be Great if You Could...

## Combine the pros of both options?

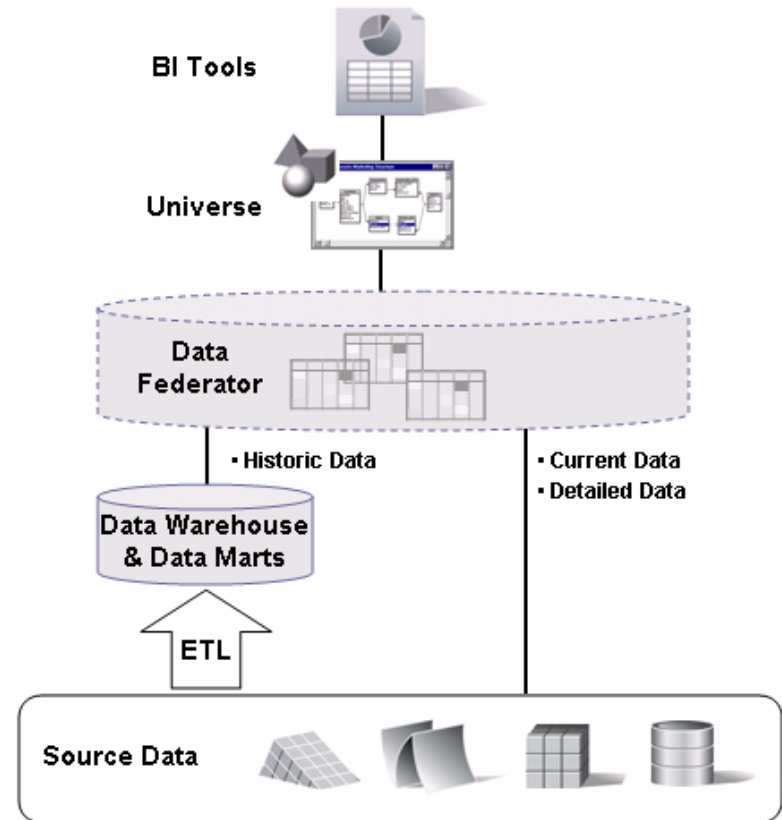
- Quick time to value, easy and fast to implement
- Great performance



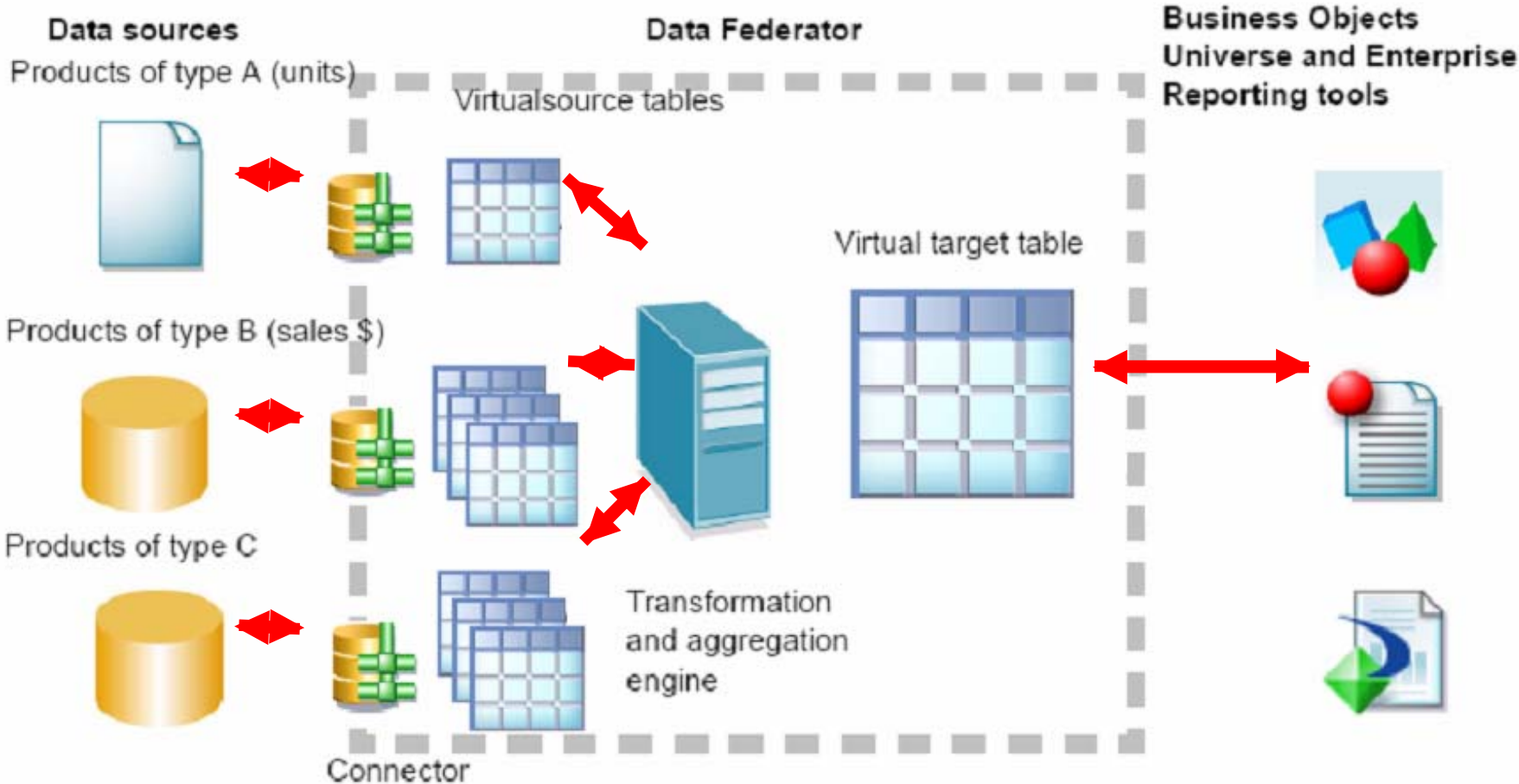
# Introducing BusinessObjects Data Federator

*Get on-demand data with virtual data integration*

- ▶ **Accelerate multi-source BI query performance**
  - Fast access to multiple sources
  - Optimized query engine tuned for multi-source data integration
  - Queries reduced to seconds versus minutes and hours
- ▶ **Complement ETL tools & supercharge data warehouse**
  - Prototype ETL processes
  - Combine historical and real-time data
- ▶ **Provide 360° view with “in place” data**

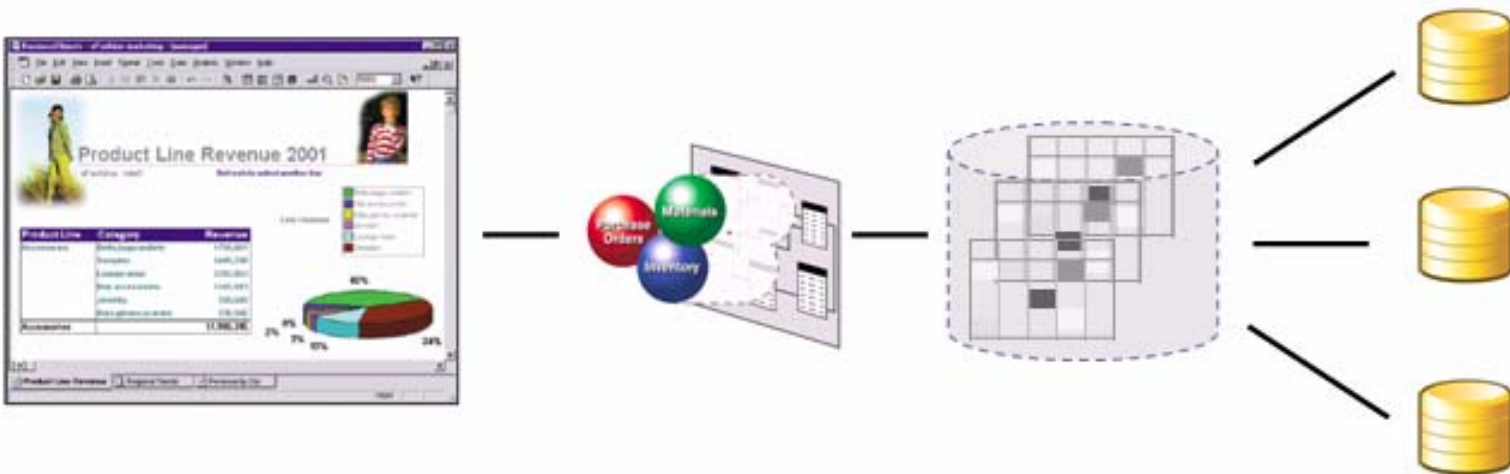


# Data Federator Architecture



# Common Usage Cases

1. Accelerating business intelligence deployments
2. Supercharging the data warehouse

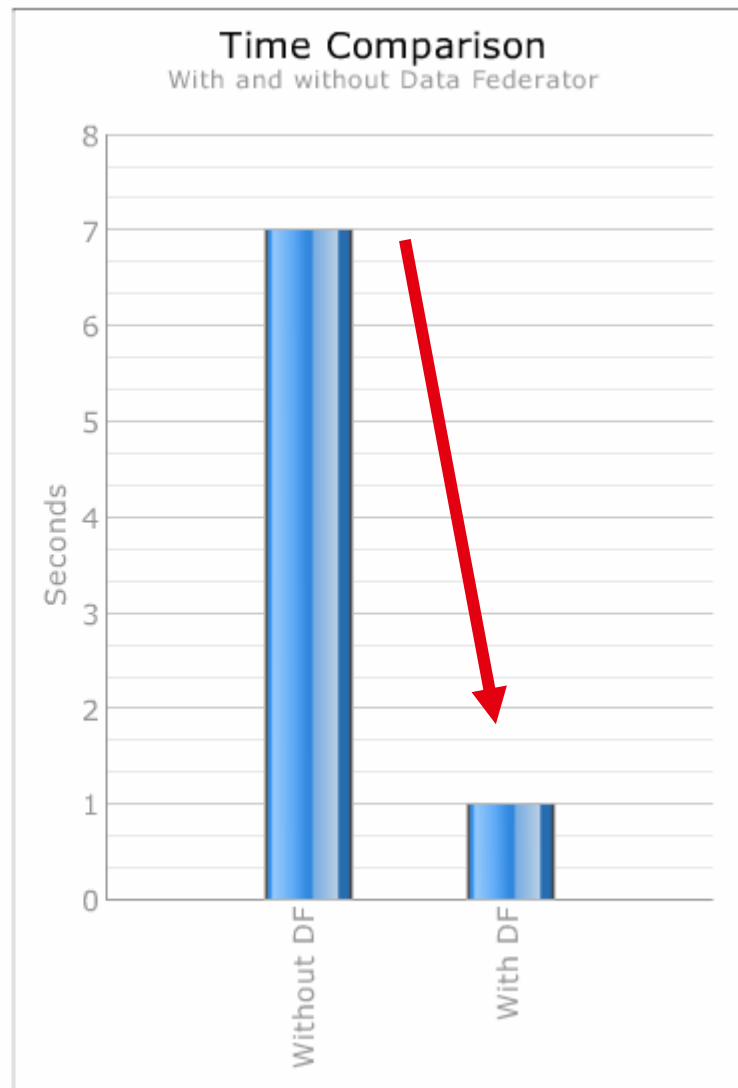
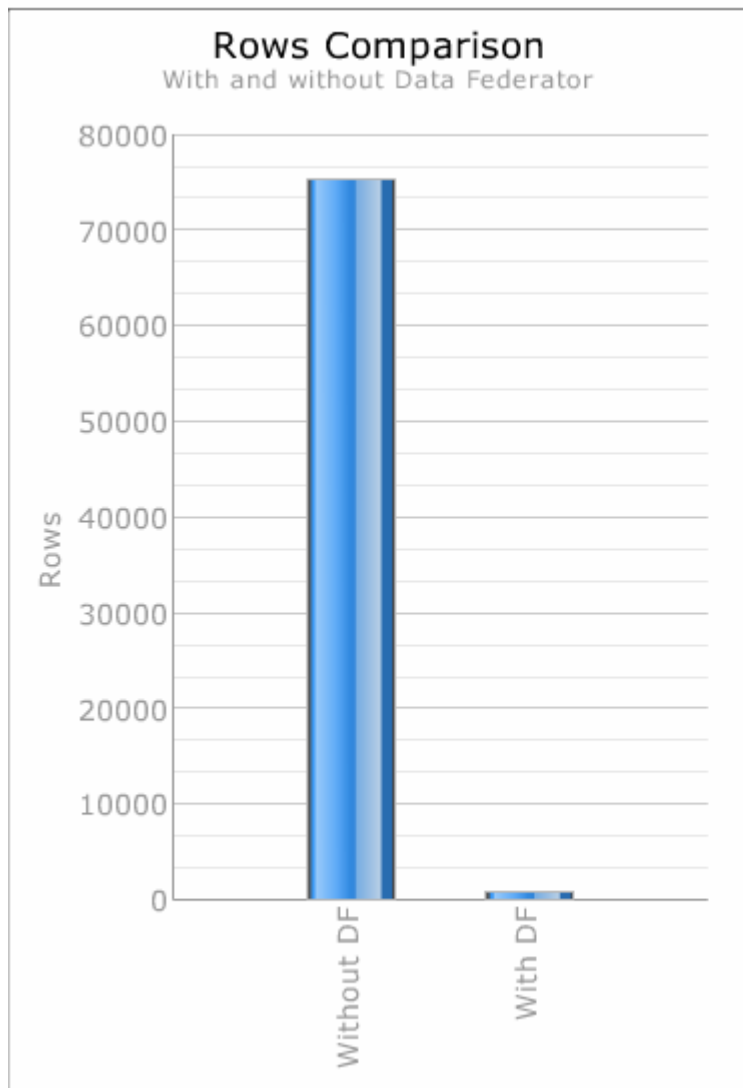


# Accelerating Business Intelligence Deployments

- ▶ **Accessing data spread across the organization or stored in information silos**
- ▶ **Aggregating disparate data from multiple data sources for timely delivery of information**

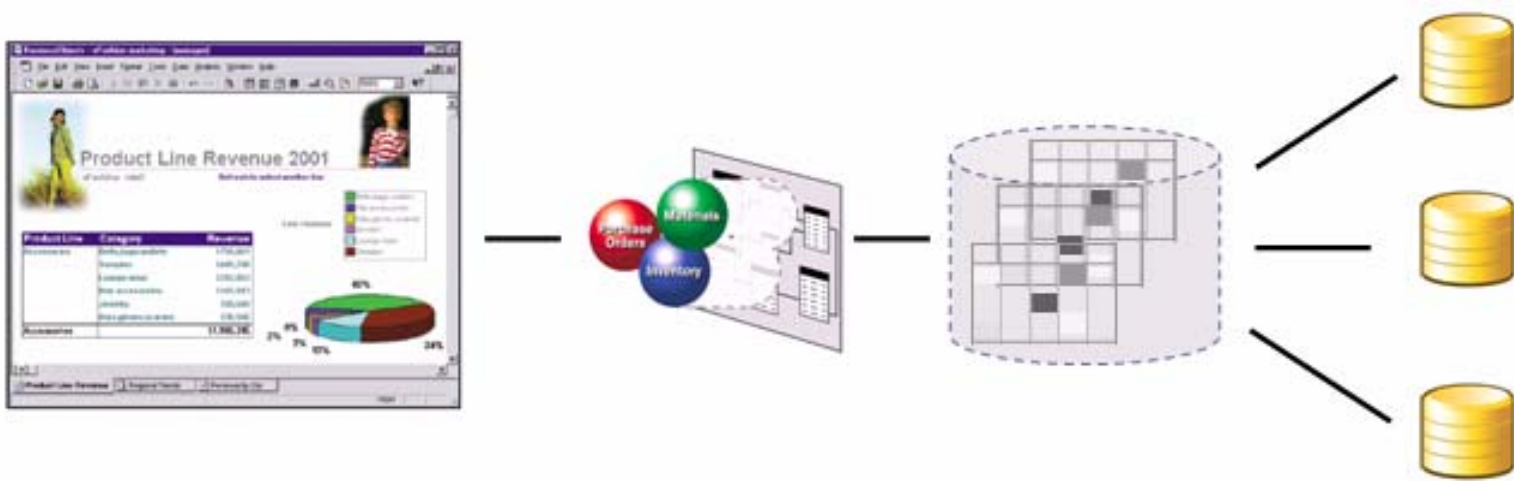


# Data Federator Wins on Performance and Efficiency



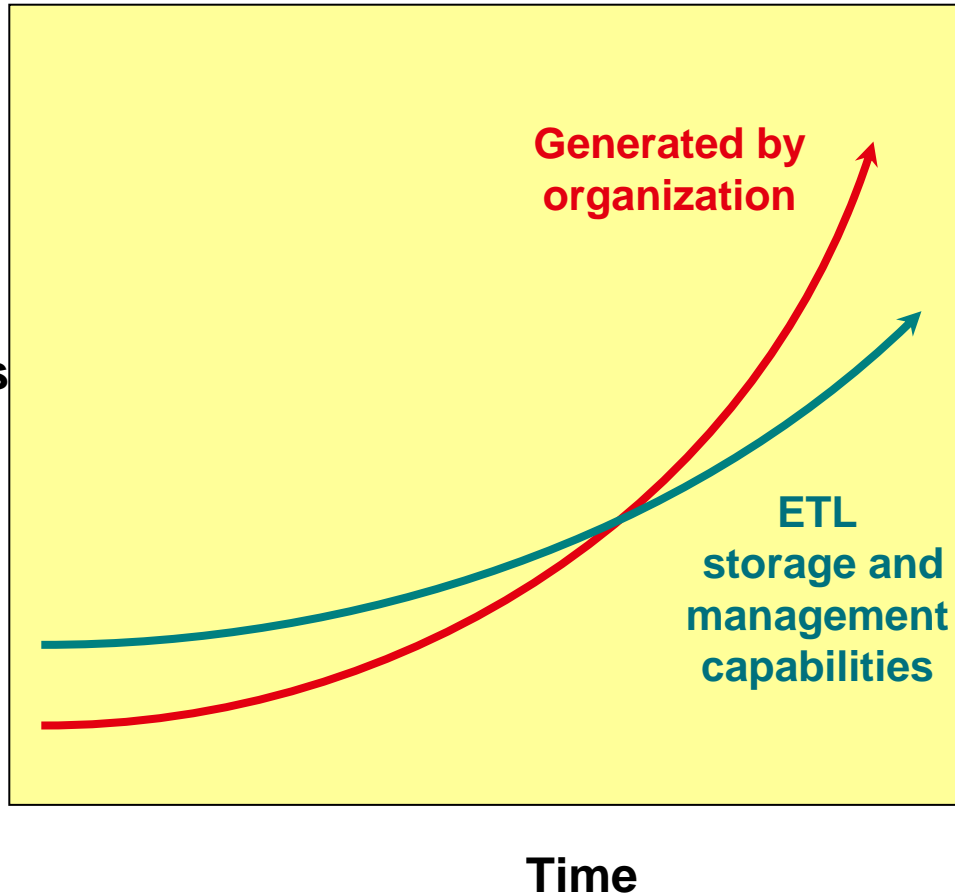
# Common Usage Cases

1. Accelerating business intelligence deployments
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# Data Explosion and Complexity

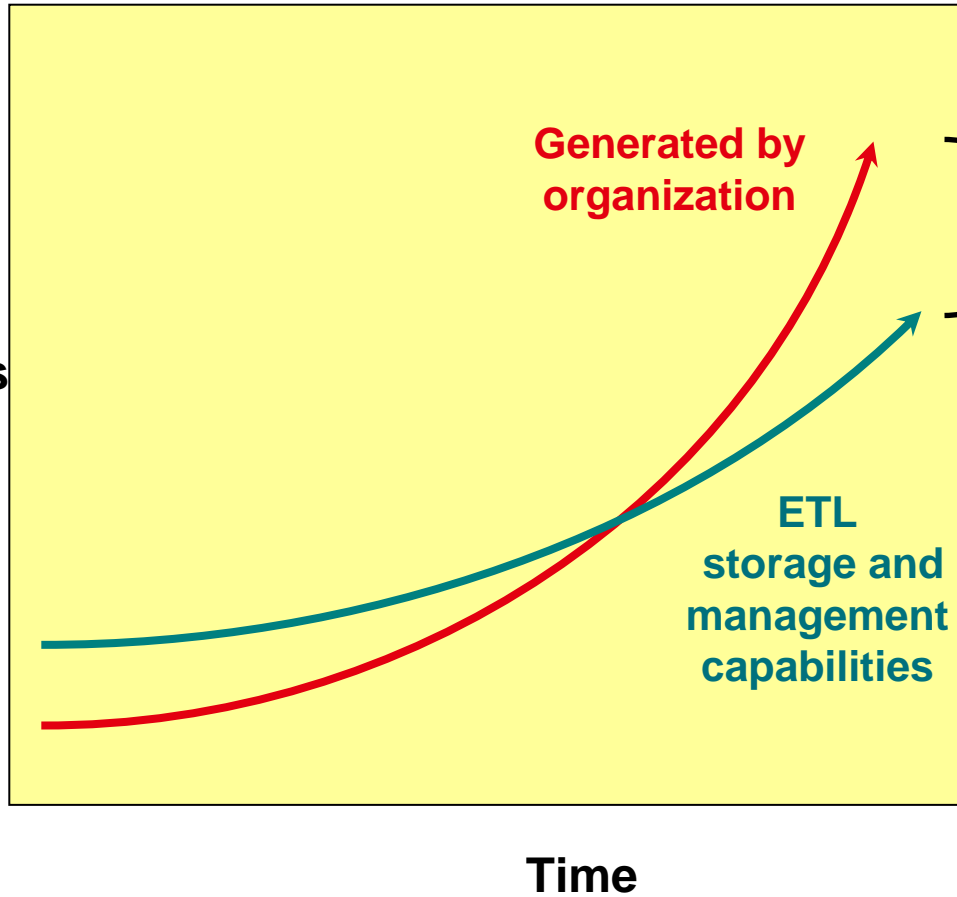
**Data volumes**  
**Complexity**  
**Business requirements**  
**Management needs**



Data volumes and complexity are increasing at a faster rate than the ability for traditional ETL to consolidate and manage the data

# Data Explosion and Complexity

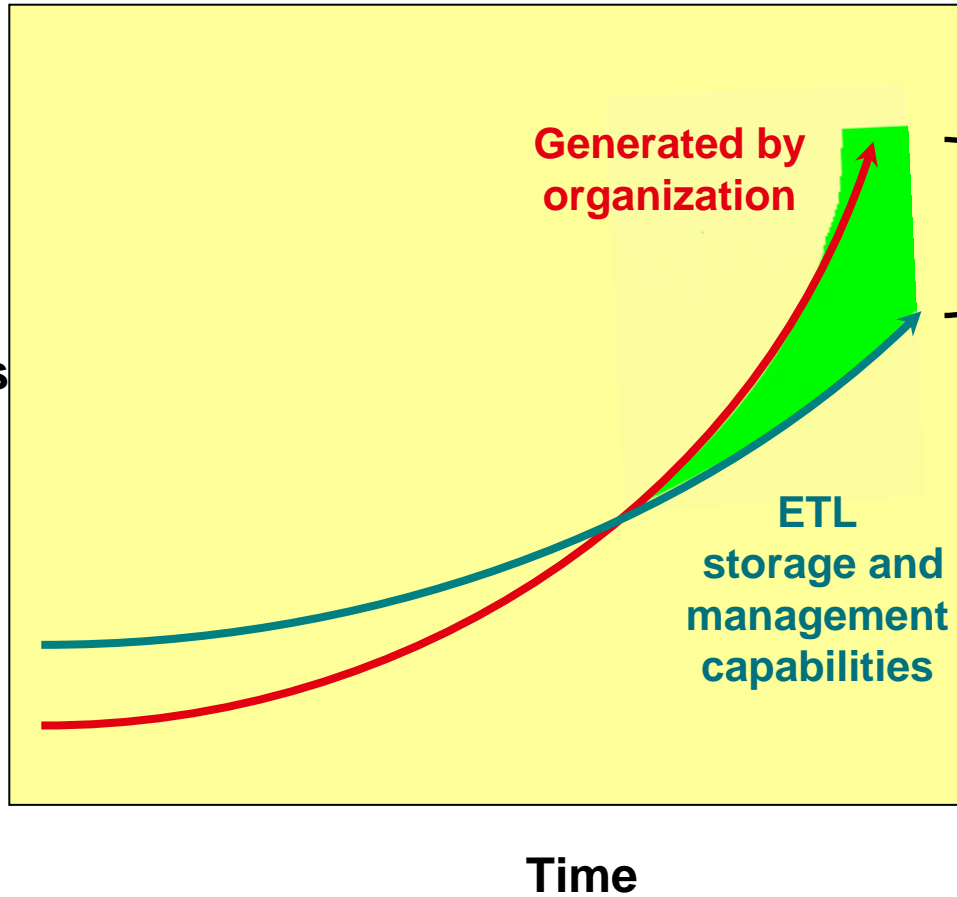
**Data volumes**  
**Complexity**  
**Business requirements**  
**Management needs**



- This gap comes from
- Exploding data volumes
  - New data sources
  - Ever changing business requirements

# Data Explosion and Complexity

Data volumes  
Complexity  
Business requirements  
Management needs



Data federation capabilities can directly address these issues

# Supercharging the Data Warehouse

- ▶ **Reducing loading times and storage space in the data warehouse for real-time report flexibility**
- ▶ **Adding detailed ad-hoc information from external non-atomic data stored in operational systems and spreadsheets**





## ▶ **Iron Mountain – Global \$2.2B company**

- World's largest provider of information and record management

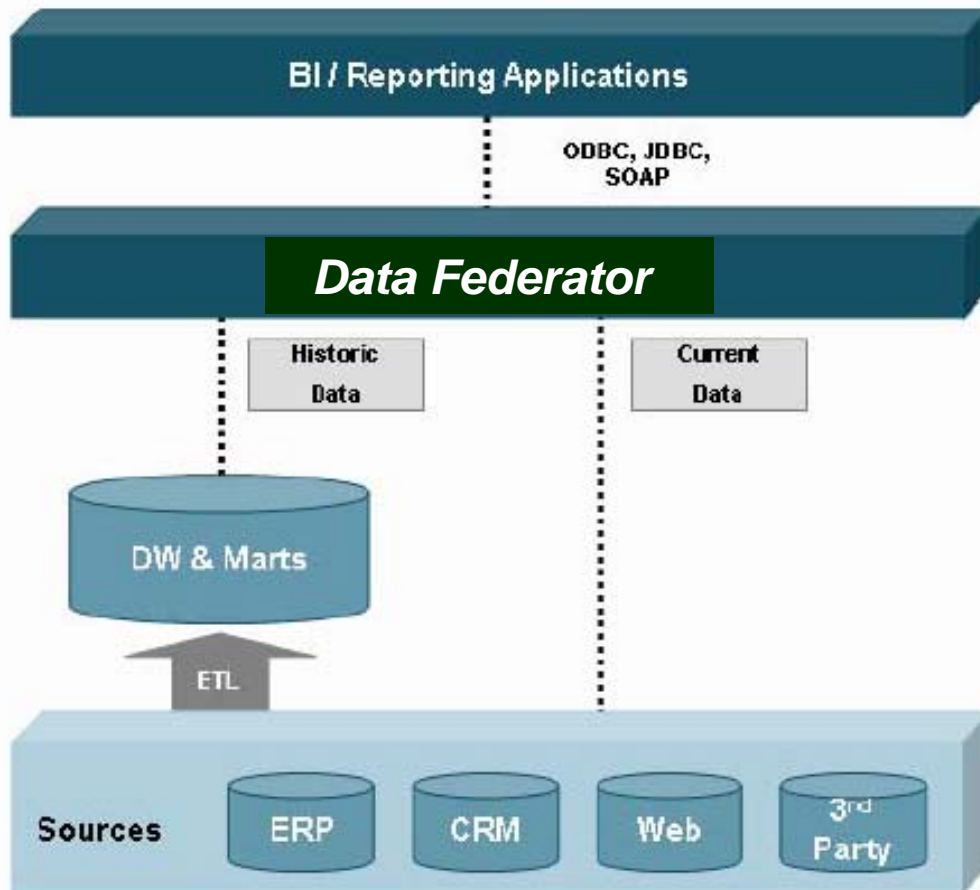
## ▶ **Accelerating business execution**

- Need real-time information for driving business execution
- 85 data sources (Oracle, SQL Server, Progress) with data from 800 locations worldwide

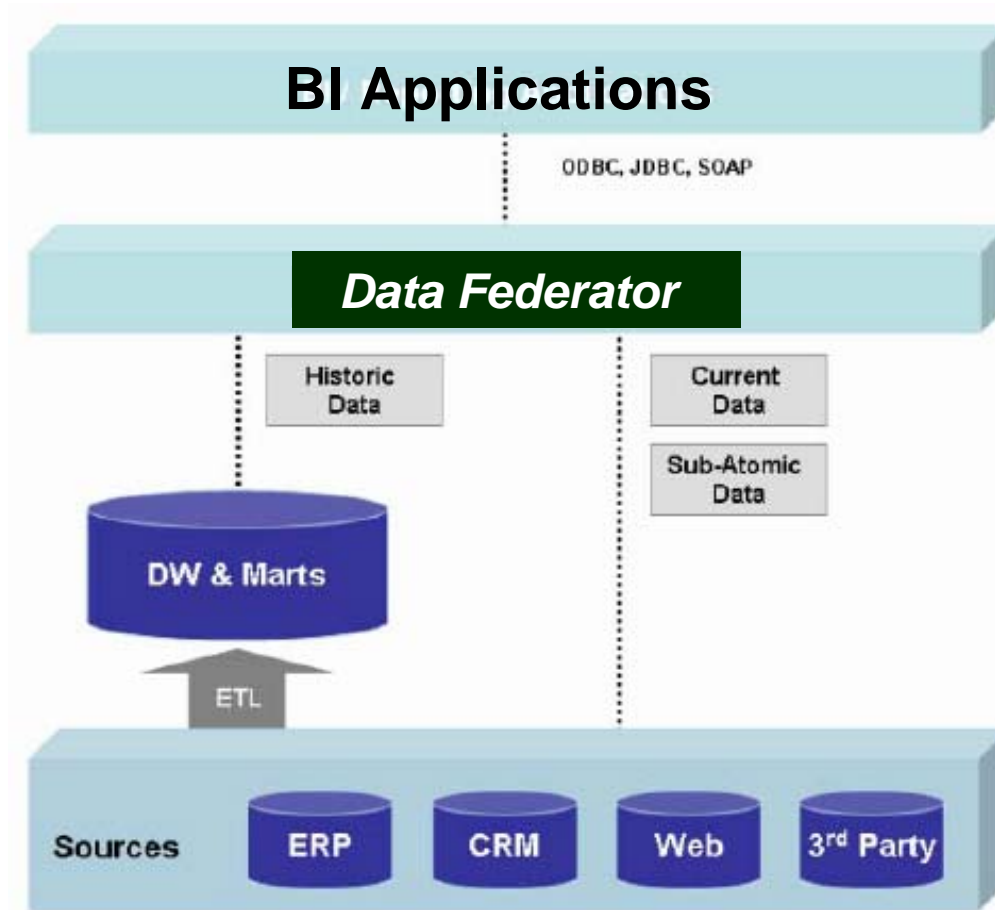
## ▶ **Solution**

- Data Federator meets need for real-time, granular data integration based on dependencies
- Iron Mountain deploying Data Federator with BusinessObjects Enterprise, Crystal Reports and Web Intelligence
- Project effects the largest enterprise system tracking millions of paper documents (1500 employees, +200,000 customers)

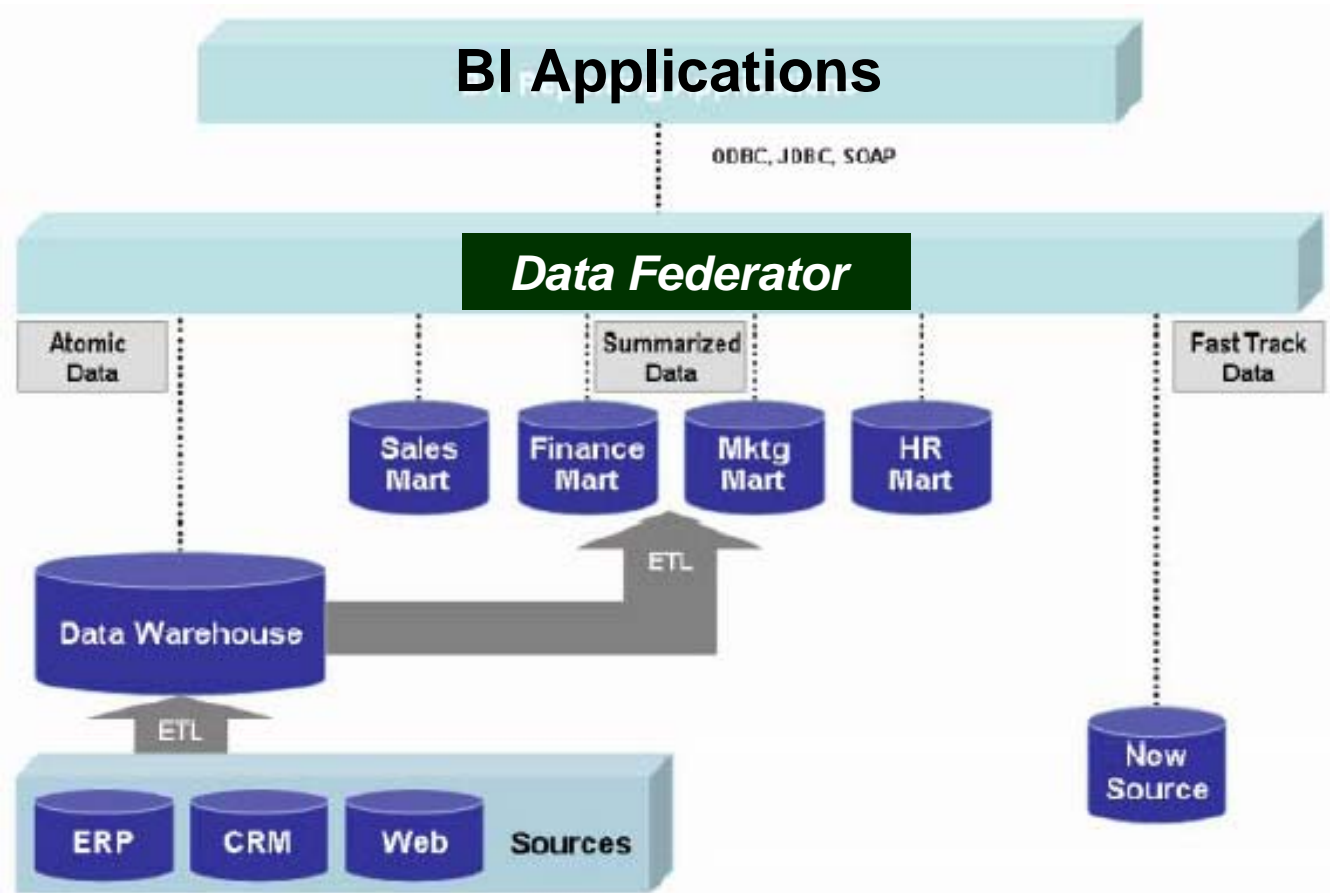
# Real-time Data Warehouse



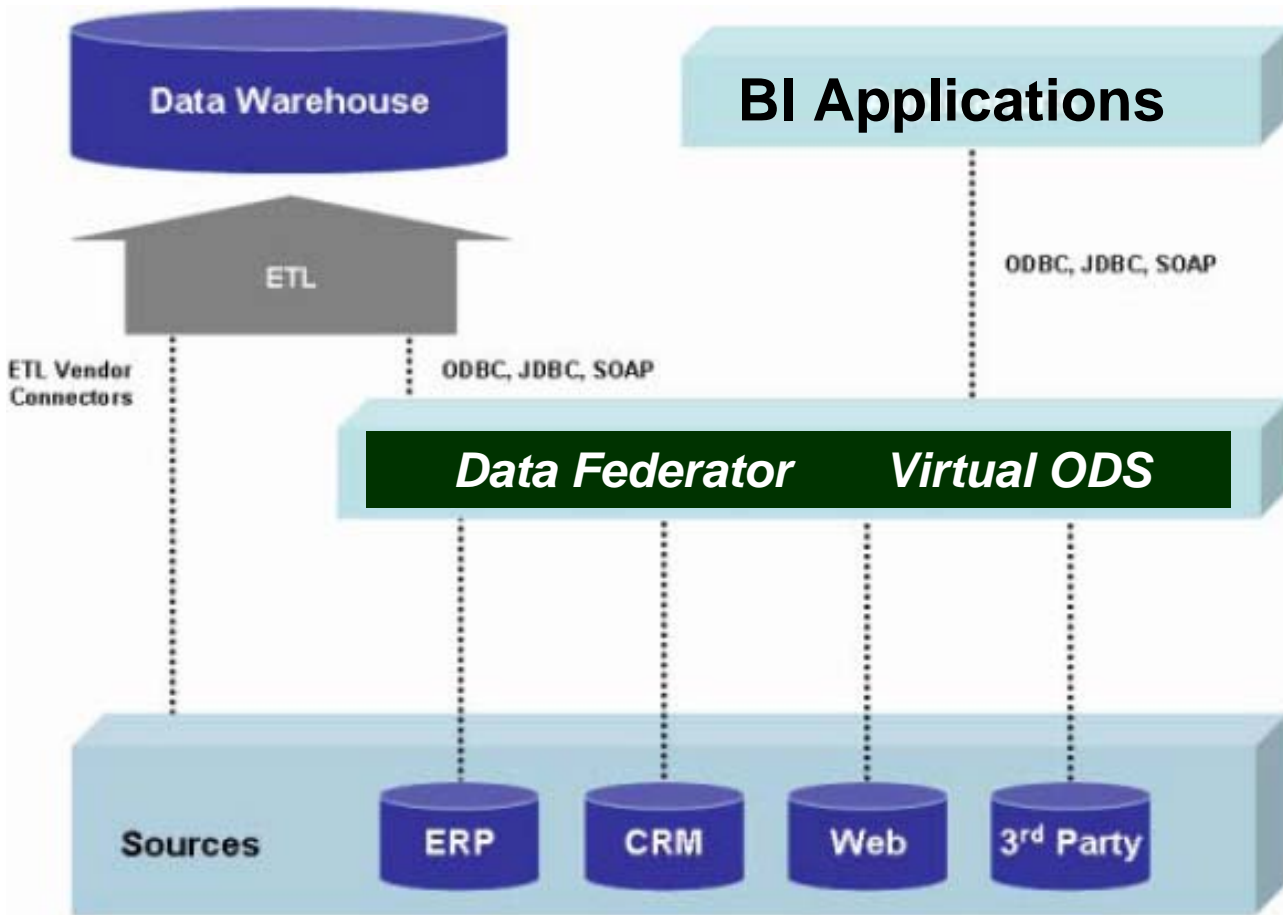
# Sub-atomic Data Integration



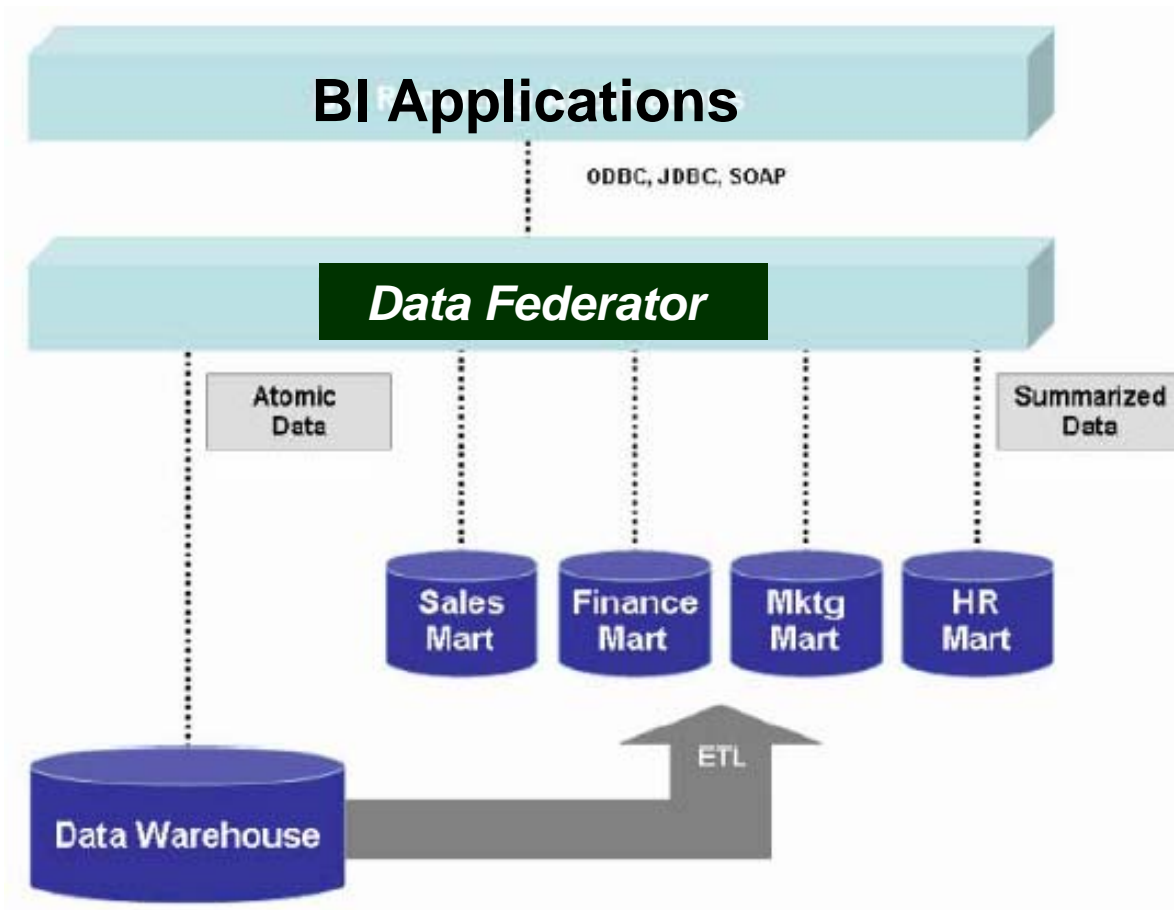
# Fast Track



# Virtual ODS



# Data Mart Consolidation



# Data Federator Use Cases Summary

## ▶ **Improve multi-source BI query performance**

- Our customers provide their users with fast, trusted access and synchronization of data. Queries are quick (think seconds), data quality is consistent, and report-authoring productivity is high

## ▶ **Complement ETL tools**

- Extend existing data warehouses and back-end data integration with agile, real-time data access. IT staff use Data Federator to quickly bring together ETL-consolidated data with other new, volatile, and sub-atomic sources that contain data not in the data warehouse or data marts.

## ▶ **Perform many other non-BI tasks**

- Beyond decision support, Data Federator's powerful query engine and data quality capabilities are ideal for data migration projects, complex portal publishing tasks, or any job that requires quick integration of trusted data

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# Conclusion

- ▶ **No more waiting for your multi source reports to get refreshed**
- ▶ **Data Federator can provide fast, trusted access to your scattered data**
- ▶ **You can reduce query times to seconds**



## ▶ Web site

- <http://www.businessobjects.com/products/dataintegration/datafederator.asp>

## ▶ Product sheet:

- [http://www.businessobjects.com/pdf/products/dataintegration/ps\\_data\\_federator.pdf](http://www.businessobjects.com/pdf/products/dataintegration/ps_data_federator.pdf)

## ▶ White paper

- Accelerating query performance
- Available under NDA