

**SAP® BusinessObjects™ DATA FEDERATOR**  
CREATING A UNIFIED VIEW OF YOUR DATA

# SAP BusinessObjects DATA FEDERATOR

For many organizations, data is scattered across the enterprise in multiple systems and applications. The result of this is data fragmentation and information redundancy, making useful business analysis very hard to do. Today, these challenges prevent organizations from achieving goals such as producing holistic reports in a timely manner, querying operational data in real time, and ensuring that reports contain the most accurate, up-to-date information.

Is this the scenario in your organization? If your users are asking for current data that is not stored in your data warehouse, or they want improved query performance for reporting, data federation technology from SAP is the solution of choice to address those needs.

## Access and Deliver Data Fast and Flexibly

SAP® BusinessObjects™ Data Federator software helps you create a unified view of your data sources in a fast, flexible, and easily accessible way. It allows a single SAP BusinessObjects universe (semantic layer) to map to multiple data sources and optimally federates (integrates) queries against individual sources directly. What if you could:

- Pull data together from multiple data sources in seconds?
- Combine historical and real-time data?
- Leverage your previous enterprise information management investments and leverage the sources already available in your organization (including data warehouses, operational systems, databases, XML sources, and spreadsheets)?

## How Data Federation Works

SAP BusinessObjects Data Federator can bring in new data sources and manage changing data integration requirements in days. It begins by making your disparate data sources look like a single data source to your users. Then you can automatically generate a single SAP BusinessObjects universe that maps to multiple sources. You can provide this single view of disparate sources from a code-free, rules-based mapping language, allowing you to intuitively define business rules and create source-to-view mapping – no SQL or difficult transformation workflows are needed.

### Add Power to Your SAP BusinessObjects Universe

Accessing multiple data sources for your reports is more of the rule today than the exception. More than ever, today's mature and sophisticated business intelligence (BI) deployments can benefit from the functionality that data federation software offers. SAP BusinessObjects Data Federator complements the universe, allowing easy, reliable, and ad hoc access to disparate data regardless of data structure and location. The federation software is a noninvasive technology with no need for special database rights or to write back to production systems.

### Provide On-Demand Access to Your Data

SAP BusinessObjects Data Federator is the data foundation of choice for integrating multiple data sources on demand, supercharging any BI or data-warehousing deployment, and leveraging current infrastructure and available sources. Key strengths of the SAP BusinessObjects Data Federator tool include:

- Arguably the most advanced query optimizer available on the market today
- Support for connectivity to an ever-increasing list of databases and data sources
- Deep integration and compatibility with SAP BusinessObjects information management (IM) solutions and SAP BusinessObjects BI solutions

## SAP BusinessObjects Data Federator Use Cases

Flexible and agile, SAP BusinessObjects Data Federator is most commonly used in data integration scenarios such as:

- **Operational business intelligence**

Providing fast, trusted access and synchronized data from different sources, the software can reduce query times by several orders of magnitude while providing data quality and higher report authoring productivity.

- **On-demand computation**

When physically moving the data is not an option, the software allows you to compute information on demand. If you use a Software as a Service (SaaS) model, you can apply data federation technology to combine on-premise data with hosted data to quickly bring data together.

- **Data services layer**

Leverage previous IM investments, especially when you have no time or budget for an enterprise data warehouse.

As a stopgap measure, you can federate data marts and create a virtual enterprise data warehouse to reconcile data and extend information silos.

## Supercharge Your Data Foundation with Virtual Integration

To remain competitive, organizations today are investing in data management systems that complement and accelerate BI or master-data management strategies. The flexibility and ease of use of SAP BusinessObjects Data Federator helps you develop successful projects in a short time, leverage your existing BI infrastructure, and increase your management and end users' level of confidence in data and reports.

SAP BusinessObjects Data Federator is a core product in the SAP BusinessObjects information management solutions portfolio. SAP BusinessObjects IM solutions include the strategy, practices, and technologies you need to deliver a comprehensive approach to managing disparate data in order to drive performance. Successful information management requires robust data integration, data quality, and metadata functionality that is tightly linked to your BI platform.

# Quick Facts

## Summary

SAP® BusinessObjects™ Data Federator software enables you to leverage your current infrastructure and available data sources to create a unified view of your data sources in a fast, flexible, and easily accessible way. Providing real-time access to diverse data sources, the software allows you to quickly introduce new data sources and adapt to changing data integration requirements.

## Business Challenges

- Consolidate disparate data sources
- Integrate historical and current data
- Leverage information management investments

## Key Features

- **Operational business intelligence** – Get fast, trusted, synchronized access to multiple data sources
- **Data service layer** – Federate data marts and create a virtual enterprise data warehouse to reconcile data and extend information silos
- **On-demand data** – Apply data federation technology to combine on-premise data with hosted data when you need it
- **Data warehousing** – Leverage your previous enterprise information management investments
- **Master data management** – Ensure consistency and control of federated data
- **Mergers and acquisitions** – Quickly integrate new and disparate data sources

## Business Benefits

- **The advantages of a highly sophisticated query optimizer** for useful analysis and accurate reporting
- **Support for a wide range of data sources**, including Oracle, SAS, Teradata, and XML
- **Integration with SAP BusinessObjects Metadata Management software** to enable data lineage and analysis

## For More Information

To learn more about SAP BusinessObjects Data Federator and information management solutions from SAP, visit our Web site at [www.sap.com/sapbusinessobjects](http://www.sap.com/sapbusinessobjects).

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