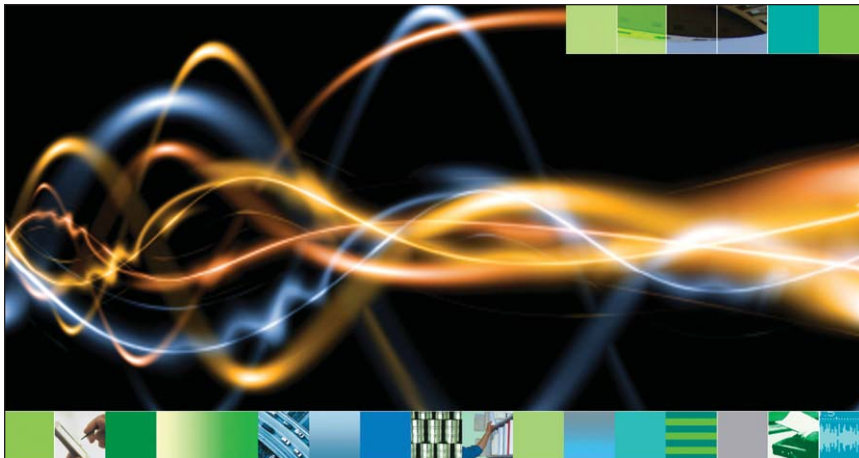


Reduce warehouse cost of ownership
and accelerate warehouse time to value



Information Management software

IBM InfoSphere Warehouse 9.7



The InfoSphere Warehouse makes it easier to discover hidden business opportunities. It provides a comprehensive platform to design, optimize, discover, and grow departmental data marts and enterprise data warehouses.

What's New With IBM InfoSphere™ Warehouse 9.7

- **Reduced cost of managing & delivering information with lower storage costs and more automated management**
- **Accelerate time to insight and value with simplified analytics and more flexible and secure OLAP capabilities**
- **Maximize the use of your information resources and deliver greater operational insight with scalable XML document analysis capabilities**
- **Provide a more resilient and available service to business with enhanced workload management, administration and platform resilience delivering optimal performance**

Getting to a single version of the truth.

Access to timely, accurate information is critical as enterprises strive to boost competitiveness and innovation. Limited by inflexible data warehouse and business intelligence solutions, IT teams are often challenged to meet business users' information needs. As a result, isolated datamarts and data warehouses—often containing conflicting data—have proliferated.

Worse yet, most business intelligence solutions built on data warehouses use components from various vendors, creating integration and enterprise standardization challenges. Downsides can include frustrated end users, high development and maintenance costs, and poorly performing solutions that do not scale. IT teams must be able to support business requirements for a single version of the truth, while containing costs, accommodating ever-increasing data volumes and dealing with the constantly changing needs of different business constituents.

IBM InfoSphere™ Warehouse software is a comprehensive solution for integrated dynamic warehousing that provides extended capabilities from design to analytics and visualization. InfoSphere Warehouse 9.7 features improvements in data compression, XML, workload, management and business analytics technologies making it even more powerful in helping IBM clients lower their costs of managing information and gaining insights into their business.

Implementing comprehensive data warehouse solutions for both enterprise and departmental needs.

InfoSphere Warehouse 9.7 is an ideal platform for dynamic warehousing solutions, providing a powerful range of new capabilities that go beyond traditional warehouses.

By including all the options in this version, IBM provides a complete enterprise offering at a cost that is substantially less than the sum of its components, providing real value on price and completeness of solution.

With the benefit of advanced analytics such as data mining, modeling, and scoring, text analytics, and Alphablox, the InfoSphere Warehouse Enterprise Editions provides the perfect foundation for building enterprise real-time analytics, opening up sophisticated analysis to all warehouse users. Plus, the performance

optimization and deep compression features can make building and managing a large data warehouse more affordable and can significantly reduce the cost of ownership.

New enhancements in pricing, packaging, licensing and platform consolidation, will reduce the cost of ownership and provide new industry leading capabilities for departmental and mid market companies while retaining enterprise scalability. This allows for advanced analytics functionality with packaging and pricing that is more appropriate for smaller implementations.

Based on open standards and supported by the powerful IBM DB2® 9.7 platform, InfoSphere Warehouse provides the tools and infrastructure to help data warehouse architects and administrators efficiently design, deploy and maintain an enterprise data warehouse.

A powerful DB2 database foundation.

With its massively scalable, shared-nothing architecture, DB2 9.7 provides high performance for mixed-workload query processing against both relational and native XML data. Advanced features such as data partitioning, row compression, multidimensional clustering (MDC), materialized query tables (MQTs) and online analytical processing (OLAP) capabilities make DB2 9.7 a powerful engine for dynamic warehousing.

Modeling and design tools.

InfoSphere Warehouse software includes tools, based on IBM InfoSphere™ Data Architect software, that enable you to design, model and reverse-engineer physical database schemas. These tools provide a range of capabilities, including physical data modeling, model validation, compliance and impact analysis, and change management.

Simplified business analytics.

Embedded analytics capabilities deliver a set of sophisticated, yet easy-to-use tools within the data warehouse. Advanced cubing for OLAP, text analytics, Alphablox analytics, and data mining and visualization capabilities help you tap under-utilized sources of information about your business. These capabilities form a robust analytics solution that can help deliver valuable business intelligence to a wide pool of users.

End to end support for XML

documents. For many organizations, the ability to more effectively integrate XML into their information management environment has become a business necessity. With InfoSphere Warehouse 9.7, users can now manage and analyze large volumes of XML data that were previously locked away in transactional systems. DB2 pureXML™ technology supports XML data in range partitioned tables, multidimensional clustering (MDC) tables, declared temporary tables,

user defined functions, and partitioned database environments. Operational insight is now end-to-end with InfoSphere Warehouse.

Deep compression. With InfoSphere Warehouse, you can leverage storage optimization technology in DB2 9.7 that can significantly reduce disk space requirements and improve query performance. New in InfoSphere Warehouse 9.7 compression features that you can use to compress more types of data, further reduce your storage requirements, continue to improve efficiency, and provide quick access to data from disk.

System availability. Increased system availability, means reduced administration, and fewer unplanned outages. Users can migrate data to new tables while the data remains online and available for access.

Embedded data movement and transformation. An included SQL Warehousing Tool enables you to prepare and populate the data warehouse structures required for data mining, multidimensional analytics and embedded analytics. Data flows, control flows and transformations can be built using a graphical interface and deployed within the warehouse.

Data partitioning. InfoSphere Warehouse provides advanced capabilities for data partitioning,

Features Available in IBM InfoSphere Warehouse 9.7

	Enterprise Base	Enterprise Edition	Departmental Base	Departmental Edition
Hardware capacity	Unrestricted	Unrestricted	32gb of Memory 4 sockets	
Powerful DB2 server foundation	✓	✓	✓	✓
Database partitioning scalability	✓	✓	✓	✓
Unlimited database size	✓	✓	✓	✓
Modeling and design	✓	✓	✓	✓
Embedded data movement & transformation	✓	✓	✓	✓
Administration and control	✓	✓	✓	✓
Online analytical processing (OLAP)	✓	✓	✓	✓
Federated data access	✓	✓	✓	✓
Data mining and visualization		✓		✓
Text analytics		✓		✓
Alphablox including BloxBuilder		✓		✓
Integrated workload management	Performance Optimization Feature	✓		✓
Performance analysis and tuning		✓		
Query management		✓		
Data compression	Storage Optimization Feature	✓		

giving you multiple ways to distribute data across servers for large-scale parallelism and linear scalability. The shared-nothing architecture of DB2 9.7 helps ensure that performance won't degrade as your warehouse grows. And, because InfoSphere Warehouse can physically cluster data on multiple dimensions, order data by value range

and limit input/output (I/O) to relevant data partitions, it can reduce the work needed to resolve many queries.

Workload management. InfoSphere Warehouse workload management capabilities can enable real-time delivery of business insights without compromising performance. User

activity strain on traditional server solutions can inhibit real-time delivery of information to a broad set of users and applications. With the advanced workload management capabilities in InfoSphere Warehouse, you can prioritize queries coming from different users and applications and control the number of underlying resources dedicated to those processes, better supporting service level agreements for key constituents.

Cubing services for OLAP. The InfoSphere Warehouse cubing services for OLAP feature enables multidimensional data analysis without extracting the data from your warehouse. InfoSphere Warehouse 9.7 includes native support for Microsoft® Excel PivotTable Service software, enabling ad hoc analyses or the delivery of standard spreadsheet reporting—all while working within the Microsoft Excel application. In addition, cubing services cubes are now first-class data providers to the IBM Cognos®8 Business Intelligence platform. The entire suite of Cognos clients and applications can leverage these powerful warehouse-based data cubes. New in InfoSphere Warehouse 9.7 fine grained security control in cubing services gives organizations the assurance to seamlessly deliver OLAP information across the enterprise wide.

IBM InfoSphere Warehouse 9.7 Supported Operating Systems

InfoSphere Warehouse Database & Application Server

IBM AIX v5.3, v6.1
HP-UX 11i v2, v3 (Intel Itanium processor-based systems)
Red Hat Enterprise Linux 5
SUSE Linux Enterprise Server 10
Microsoft Windows 2003 and 2008
Sun Microsystems Solaris 9 and 10

InfoSphere Warehouse Client

Microsoft Windows XP and Microsoft Windows Vista
Red Hat Enterprise Linux 5
SUSE Linux Enterprise Server 10

Data mining, modeling and scoring.

Unlike solutions that require users to extract the data from the warehouse, independently analyze it and then send the results back to the warehouse, InfoSphere Warehouse provides embedded data mining, modeling and scoring capabilities. This means you're working with current data and delivering analytics in real time. InfoSphere Warehouse supports standard data mining model algorithms such as clustering, associations, classification and prediction; additional algorithms may be imported in industry standard Predictive Model Markup Language (PMML) format. New in InfoSphere Warehouse 9.7 Simplified tools enable business users to discover revenue opportunities faster. Improvements in data preparation and new data mining wizards and solution templates accelerate the creation of "ready-to-run" models.

Text analytics. Most business intelligence solutions can't access the majority of information captured across the organization, such as call center notes, customer feedback, and free form text fields, along with documents and Web pages. InfoSphere Warehouse supports the analysis of previously untapped unstructured data, helping to provide additional insights into customer and product issues.

Alphablox analytics and visualization.

InfoSphere Warehouse includes features for visual analysis of data mining results, along with display and navigation of multidimensional analysis. These capabilities are delivered as rich presentation components—rather than via a stand-alone application—which can be easily customized and embedded directly into Web-based applications for use by a broader range of users.

Leveraging powerful analytics tools to increase flexibility and process efficiency.

InfoSphere Warehouse provides a set of tools that help simplify data warehouse and analytics development and deployment. These interfaces enable you to design the warehouse and populate data structures, as well as perform analytics and manage data mining and multidimensional cubing through common interfaces.

The tools within InfoSphere Warehouse are built on Eclipse technology and provide the design-time environment for building, testing and debugging the elements of a dynamic warehouse. A familiar graphical development environment allows users to drag and drop, and cut and paste intuitive warehouse operators and entities. Easy integration of common code management repositories, such as IBM Rational ClearCase® software and concurrent versions system (CVS) tools, supports collaborative team development. The Web-based administration console enables database administrators and architects to deploy and manage InfoSphere Warehouse operations in a production run-time environment.

To help users understand and use the new environment quickly, InfoSphere Warehouse includes a sample database environment and tutorials for the development and deployment of solutions.

Boosting data warehouse performance with DB2 9.7 software features.

In addition to advanced compression capabilities, DB2 9.7 offers MQTs and MDC to boost warehouse performance. An MQT is a pre summarized, pre aggregated table that stores query results as data. The DB2 software optimizer transparently redirects queries from base tables to matching MQTs, helping to improve the performance of complex aggregate queries. Regular tables and MQTs can be organized into multidimensional clusters. This helps optimize disk I/O, reduces system maintenance and improves analytic query performance.

Why IBM? InfoSphere Warehouse helps enable dynamic data warehousing solutions that can integrate with your existing investments and scale to hundreds of terabytes. And high-availability features support 24x7 availability and quick recovery from hardware or software failures.

Moreover, IBM offers worldwide support for InfoSphere Warehouse software implementations, so virtually all of the necessary tools and resources are available to help make your enterprise data warehouse a reality.

For more information

To learn more about IBM InfoSphere Warehouse software, contact your IBM sales representative or IBM Business Partner, or visit: ibm.com/software/data/infosphere/warehouse



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