

IBM Db2 Data Management Console

Performance optimized

Highlights

- Accelerate your data management lifecycle with enterprise-wide infrastructure support
- Meet customer expectations with predictable database implementation
- Streamline and automate monitoring and administration
- Enable team collaboration
- Build your own custom experience with a composable user interface

The rise in data volumes, resulting from growing use of cloud services and mobile applications, is forcing organizations to increase the efficiency of existing data management assets and employ more resources to better serve their customers. In addition, the need for a robust corpus of data for AI projects spanning multiple data sources, along with trends like multi-cloud deployments and containerized platforms like IBM Cloud Pak™ for Data has increased the need for visibility across the entire data management environment. However, many in-house or multivendor data management tools lack end-to-end visibility, usability and scalability.

They often struggle to keep workflows and analytics operating at optimum efficiency and are unable to provide the continuous availability needed for ever-increasing transaction volumes. With more application users, organizations must find ways to deliver both speed and analytical insights within today's investment constraints and growth expectations.

IBM® Db2® Data Management Console is the next step in the evolution of IBM® Data Server Manager. The tool helps administer, monitor, manage and optimize the performance of IBM Db2® for Linux, UNIX and Windows databases. Eventually, it will also provide similar functions for the entire family of Db2® offerings. The console gives database administrators (DBAs) and database developers the information they need to manage performance and prevent problems before they impact the business. Db2 Data Management Console is designed to be deployed quickly and easily; for our cloud-based systems and appliance the consoles come set up out of the box. Each console is designed to be simple to use for advanced or novice Db2 users.

Db2 Console for a single view of your hybrid data management

Db2 Data Management Console provides a single view across your hybrid data enterprise, back through time, and across your private and public cloud.

You can install the console on a dedicated workstation; the single install can support all your users and your IBM data servers.

Meet the needs of multiple roles to help speed the data management lifecycle

Online transaction processing (OLTP) and analytics processing share many common data management requirements and practices. However, they each have unique requirements for quality of service, backup and recovery, data ingest, data types and data volumes. Db2 Data Management Console enables you to support growing infrastructure demands across both OLTP and analytics processing models.

Db2 Data Management Console gives DBAs and system administrators a dashboard to manage alerts, diagnose problems, improve processing and throughput, and administer environments. In addition, the self-service environment offered by the console gives business analysts and developers the capability to edit, validate and run SQL.

Db2 Data Management Console helps you:

- Meet service level agreements (SLAs) across OLTP and analytics environments and use cases
- Address developer, DBA and business user productivity requirements
- Enable enterprise IT to work with multiple areas of the business by sharing common processes and tools across roles
- Support hybrid data management deployment patterns, including private cloud, public cloud, multi-cloud, and on premises
- Support databases across the entire Db2 family to address specific business

Meet SLAs with predictable database execution

Addressing application and database performance is the cornerstone of creating a successful data environment. Db2 Data Management Console gives you an intuitive visualization of the enterprise environment, augmented with user-configurable feedback and alerts. It can also guide you to identify, diagnose, solve and prevent bottlenecks to improve overall performance. See Figure 1. With this approach, the console helps you manage the overall health of your application environment and maintain optimal performance levels to meet customer expectations.

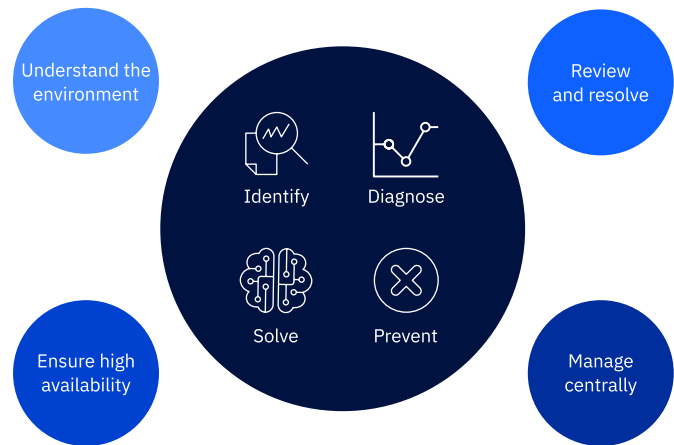


Figure 1. Realize continuous value through efficient management, predictable delivery and availability, and performance optimization.

Reduce complexity with simplified monitoring and administration

Db2 Data Management Console is designed to provide a simple, integrated web console that helps streamline the ongoing administration of complex database environments. The customizable dashboard puts you in control, allowing you to view and monitor hundreds of databases from a single screen, isolate and analyze typical database problems and drill down for more details. With the drill down capability, DBAs can understand and manage key parameters, including availability, responsiveness, throughput, resource use, user contention and time spent in each database.

You can efficiently administer Db2 LUW databases, database objects and database instances using the enterprise-ready infrastructure. Native support for column-organized tables helps save time while enabling you to take advantage of the breakthrough performance offered by Db2 with BLU Acceleration® technology. Enhanced navigational capabilities help you rapidly find relevant database objects to help simplify query building, editing, and formatting. Configurable alerts and notifications allow you to react essentially immediately to new problems that can threaten system performance or availability.

The installation process gets Db2 Data Management Console up and running quickly and efficiently. The lightweight installation eases administration, database exploration and real-time monitoring tasks while conserving storage. You can install it on a single notebook or on a central server for hundreds of users. The repository database allows you to record monitoring metrics for historical analysis, and identify storage access patterns for capacity planning.

Db2 Data Management Console helps keep your IBM data enterprise highly available by detecting when you cannot fail over to a secondary HADR database and why before it is needed for an emergency.

Db2 Data Management Console helps automate data management, by sending automatic alerts based on your preset threshold for certain trends and statistics.

Automated management of your data environment lets you focus on supporting the innovation your business demands, rather than spending time on routine administrative tasks.

Target operational efficiency with scalable management

Db2 Data Management Console gives you the power you need to support growing infrastructure demands, including the ability to scale up to hundreds of databases. Control capabilities help simplify the initial deployment of database servers and clients, and streamline ongoing change management. They also enable almost instant analysis and a comprehensive view of the data environment to help you uncover anomalies and identify trends.

To optimize storage requirements across the enterprise, while improving operational efficiency, Db2 Data Management Console helps you find trapped storage, infrequently accessed objects and compression opportunities for static and dynamic memory.

Build your own experience with open RESTful API support

In Db2 Data Management Console, all your work with the user interface goes through a new RESTful API that is open and available. This includes APIs to run SQL, manage database objects and privileges, monitor performance, load data and files, and configure all aspects of the console.

The user interface of the Db2 Data Management Console is built on a services architecture that allows you to compose parts of the interface in new ways. Each time a new page is selected, the URL uniquely identifies that part of the interface. That URL can be sent to another user of the console so they can go to the same page you are seeing. With a small modification to the URL, that page can be embedded into your own webpage or Jupyter notebook. This allows you to include parts of the user interface into your page rather than the entire console.

For more information

Instantaneous analytics and always-available transactions are essential for modern businesses. IBM Db2 Data Management Console can help your organization optimize its data environments to consistently meet SLAs, control costs and keep customers happy with a fast, responsive user experience. It is packaged with all IBM Db2 editions at no extra charge.

To learn more about IBM Db2 Data Management Console, contact your IBM representative or IBM Business Partner, or see www.ibm.biz/Db2Console. It is also [available for download at no charge](#).



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