

CA IDMS™ is a proven, reliable, high-performance, web-enabled DBMS for IBM® z Systems™ that provides outstanding business value for hundreds of enterprises and government organizations around the world. A powerful database engine and the core of the CA IDMS product family, CA IDMS/DB exploits the latest hardware and software technologies, including the IBM z Systems Integrated Information Processor (zIIP) specialty processor.

Key Benefits/Results

- **Rapid response time and 24x7 availability** for critical applications and business services
- **Modernization capabilities** to participate in mobile, cloud, web and big data analytics
- **High-volume workload scalability** designed for efficiency and to help reduce costs
- **Performance improvements** through automated data collection and reporting

Key Features

- **Transaction server.** Run online applications written in COBOL, PL/1 and CA ADS in a high-performance environment.
- **SYSPLEX enabled.** Helps provide scalability and high availability for online applications.
- **Standard SQL.** Query and update existing legacy databases without migration or conversion while preserving existing apps.
- **ODBC and JDBC Drivers.** Access data and reuse legacy application code through IDMS Server standard APIs.
- **Web services.** Enables online apps to invoke external web services and reuse of legacy apps as web services that can be invoked by external apps.
- **Large database support.** Segmentation and page group features support very large databases.
- **Single, integrated database architecture.** Supports relational as well as navigational, record-at-a-time processing.

Business Challenges

Data is a business' most valuable asset and fuels the new apps and services that differentiate it in the market. Because the most important data lives on the mainframe, corporate database systems must be highly scalable to handle ever-increasing business demands. And be flexible enough to support existing applications, while supporting mobile, cloud, web and big data initiatives—without requiring costly rewrites and conversions.

Companies need a reliable database repository with enterprise-wide, high-volume workload and fault-tolerant capabilities. Also desirable are transformation techniques designed to improve performance, scalability, platform support, standards compliance, and usability, while simultaneously reducing costs.

Without a unified way to get ahead of nonstop demands for data, your organization could continue to experience challenges, such as:

- Struggling to provide 24x7x365 availability of increasing numbers of apps and services
- Applying more resources to manage, administer and optimize databases
- Relying on manual processes and having difficulty identifying performance bottlenecks
- Facing a growing talent shortage as retirement reduces the pool of technically skilled workers

Solution Overview

CA IDMS provides high-performance database management and transaction processing performance for existing and new workloads, helping you consolidate business functions on a central data repository, as needed.

When combined with related solutions, CA IDMS delivers cost-effective and reliable database processing. The system helps you unlock the value of your core business data by making it extensible to mobile apps, perform faster for less cost, accessible to big data projects and sustainable with regard to:

- **Modernization:** Integration into modern applications, business intelligence, analytics and web services
- **Big data integration:** Extend access of CA IDMS data into big data projects
- **Exploding storage requirements:** Shrink database storage (DASD) requirements and improve ROI without impacting CPU cycles
- **Performance optimization:** Quickly measure COBOL and CA IDMS ADS applications running in the CA IDMS environments and pinpoint problems before they arise

Critical Differentiators

Proven performance and reliability.

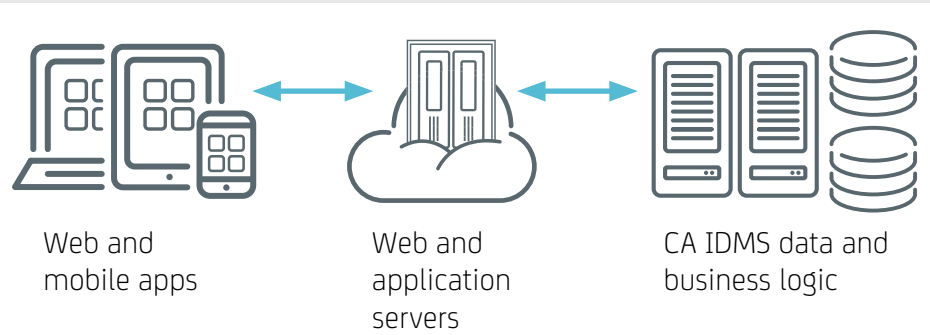
Organizations need a rock-solid database foundation with reliable, scalable, secure, high-performance and cost-effective database management.

Modernization without disrupting

business-critical applications. CA IDMS has been aggressively enhanced to incorporate the latest technologies and industry standards with upward-compatible support for current data and applications. When SQL, ODBC and JDBC emerged as industry standards for database access, CA IDMS introduced full relational capabilities including relational access to existing CA IDMS network data. CA IDMS also supports bidirectional web services capabilities, making it even easier for end users to leverage their existing investment in the new application economy.

Adding distributed and web access to CA IDMS—with full upward compatibility and no changes to existing network databases and applications—offers the ultimate flexibility for effective business services.

Maximizing Use and Value for Your CA IDMS Software Investment



Related Products/Solutions

- **CA IDMS M3A Service** provides integrated professional services and support to help maintain well-running, critical business systems.
- **CA IDMS Presspack** performs compression on CA IDMS tables, reducing the amount of DASD required to store data.
- **CA IDMS Performance Monitor** provides system and application statistics for multiple systems to enable system tuning and problem diagnosis, and supports integration with CA SYSVIEW.

Supported Environments

- CA IDMS runs on any IBM supported release of z/OS®

For more information, please visit ca.com/idms

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