Why You Should Read This Book

Tom Ramey, Director, DB2 for z/OS
IBM Silicon Valley Laboratory

"Data and information are increasing at an exponential rate, thanks to rapid growth in transactions from mobile and IoT workloads. Adoption of next-generation applications built with real-time cognitive analytics and hybrid cloud solutions promises to revolutionize the way you do business. DB2 12 delivers significant capability specifically designed for these and other next-generation applications, all while maintaining its industry-standard enterprise scalability and reliability.

"This book is a 'must read' for Enterprise customers and contains a wealth of valuable information."

Located at IBM's Silicon Valley Laboratory, Tom is the director of IBM's premiere relational database management system. His responsibilities include Architecture, Development, Service, and Customer Support for DB2. He leads development labs in the United States, Germany, and China. Tom works closely with IBM's largest clients to ensure that DB2 for z/OS continues as the leading solution for modern applications, encompassing technologies from OLTP to mobile to analytics. At the same time, he continues an uncompromising focus on meeting the needs of the most demanding operational environments on Earth, through DB2's industry-leading performance, availability, scaling, and security capabilities.

DB2 12 for z/OS—The #1 Enterprise Database for SECURE, SEAMLESS, INTEGRATION for an Analytics, Mobile, and Cloud World!

by Surekha Parekh

As many of you know, every year for the last six years IBM has published a book on how DB2 for z/OS capabilities align with enterprise business needs. This year is no exception. This book has been released in line with the launch of DB2 12, which was announced on October 4, 2016.

We wanted to give you some background on how we decided on the title of this book:

"The #1 Enterprise Database"

Many of you will remember that the first release of DB2 was launched on June 7, 1983— marking the birth of the relational database. For the past 33 years, DB2 has been the undisputed leader in the relational database management system (RDBMS) market and is the envy of competitors when it comes to total system availability, reliability, scalability, and security. Did you know that global organizations of all types—including 92 of the world's top 100 banks, 23 of the top 25 U.S. retailers, and nine of the world's 10 largest insurance organizations—trust their business to securable, scalable, self-optimizing IBM® System z® mainframes and DB2?

Estimates are, in fact, that despite the growth of distributed computing, mainframes still process roughly 30 billion business transactions daily, including most major credit card transactions, stock trades, and money transfers.

Last year IBM announced the DB2 12 for z/OS Early Support Program (ESP), and made DB2 12 available to a select few customers. The feedback from our customers has been incredible! We are a market-driven organization that understands the needs and wants of enterprises of the future, and we believe in partnering with our customers to ensure we deliver "best of breed" technology that meets the needs and wants of our clients.

DB2 12 takes DB2 to a new level, both extending and enhancing the core capabilities (scalability, reliability, efficiency, security, and availability) and empowering the enterprises of the future ready for the next wave of analytics and mobile applications.

Learn how DB2 12 delivers selected features that bring valuable benefits to your business by:

1. Putting Enterprise Data to Work in Analytics

- Providing greater agility by keeping enterprise data in place while making it accessible to analytics and the cloud

- Improving business advantage by supporting "in-transaction" analytics and using "live" data for real-time insight

- Increasing accuracy and timeliness of business insight through secure, data-driven analytics

2. Extending Mobile and Internet of Things (IoT) Support for Your Enterprise

A new era of applications focused around mobile devices is becoming increasingly important in large enterprises. Organizations across all industries are looking for robust and powerful applications that are tailored to mobile devices and can provide their people with anywhere, anytime access to enterprise information. To give the mobile workforce easy access to mission-critical information, DB2 12 enables you to build a DB2 for z/OS mobile application using IBM MobileFirst Developer Edition.

3. Reducing Complexity and Cost with IBM Cloud Provisioning and Management

The emergence of the cloud is transforming IT and business processes into digital services. Cloud is the path to not only business efficiencies, but also new business models. IBM DB2 for z/OS includes a cloud solution that offers organizations the opportunity to remove expensive hardware and move to a responsive, virtual environment. With DB2 for z/OS on the cloud, you can reduce cost and complexity in your IT infrastructure, simplify compliance, and get the most out of your core asset— your data, without impacting security. By moving to the cloud, you can transform and adapt while limiting risk and cost to achieve agility and efficiency by standardizing best practices.

In summary, if you have enterprise data, big or small, and need a database server, on-premises or in the cloud, DB2 12 will address many of your business and technical challenges. We hope you enjoy our new book!

Surekha Parekh, WW Marketing Program Director

IBM Corporation Ltd.