

## IBM System z Solution Edition for Data Warehousing

*Leverages the IBM System z family of servers, optional storage, and maintenance, with IBM software including DB2. This offering provides a scalable, secure, highly available Data Warehousing foundation to meet your business intelligence requirements*



Data warehousing environments span a wide range of solutions to empower every aspect of business. How you ultimately choose to deploy these applications can have a significant impact on your business. Often, a separate environment is deployed to deliver dedicated resources for reporting and analytic type workloads.

This IBM System z Solution Edition for Data Warehousing, provides the best of both worlds. By selecting either an LPAR environment or a standalone System z server, it allows for efficient utilization of your IT investments, while delivering an integrated and robust platform for deploying new workloads that deliver insights, to grow your business in the 21st century.

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### Highlights

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The System z® Solution Edition for Data Warehousing provides a dynamic infrastructure environment that offers:

- *Near continuous access to your business data, ensuring availability for business users.*
- *A certified, secure, data infrastructure that protects your business assets from intrusion.*
- *Database support that can scale to support single table sizes of 30 terabytes or more, that simplify growth options and provide the flexibility to integrate business databases into a single, unified view for a consistent information across your business users.*
- *Advanced workload management capabilities that can identify and prioritize subsets/specific queries within a large pool of queries, based on your business priorities.*
- *A competitively priced hardware, software and maintenance offering, that provides a low, and very attractive Total Cost of Ownership (TCO) for a robust data warehousing environment.*

Inherent in the System z platform, is its ability to deliver near continuous availability of business data. This capability is further improved through the many enhancements introduced within the latest versions of DB2® for z/OS®. It is a powerful combination that allows simultaneous processing of numerous database functions, along with normal business workloads. This infrastructure eliminates most of the planned outages that otherwise impact the availability of your business applications.

Along with the ability to deliver near continuous availability, System z and DB2 for z/OS offers proven data scalability of databases, with tables that can scale to hold over 30 terabytes of data (300 billion rows) within a single table. This scalability enables consolidation of data marts and warehouses into a single view, eliminating the overhead associated with managing large numbers of servers, that often result in data consistency concerns, and complex system management, data replication and integration issues.

### **A Simplified BI Infrastructure**

This Solution Edition offers the security, scalability and availability benefits of z/OS and DB2 for your data server. By adding optional specialty engines designed to support the Linux® environment, this platform offers an ideal combination of open standards and integration, providing the freedom of

deploying Business Intelligence applications such as Cognos®, with the IBM data warehousing tooling suite of InfoSphere™ Warehouse, that simplifies the design and deployment of data warehousing environments, while providing cubing services for OLAP analytic processing.

Adding optional Cognos end user applications in the same server footprint as the database, takes full advantage of the advanced virtualization technologies System z offers, to deliver a streamlined infrastructure that offers many benefits. By leveraging internal communications between the application software and the database, this infrastructure avoids network bottlenecks that can otherwise impede your ability to consistently meet business response time demands.

System z in combination with z/OS and DB2, delivers a BI platform that can run at a much higher system utilization rate than many other competitive systems, without suffering response time degradation.

Additional platform benefits include the extensive granularity available in the environment, and the ability to upgrade the system on demand, often within hours, and frequently without incurring application or database outages. Now, instead of investing in discrete servers,

you can maximize the flexibility of your capacity, by delivering software on the same server footprint to provide a simplified, easy-to-manage, high-performance IT environment for business intelligence applications, exploiting the unique strengths of System z technology.

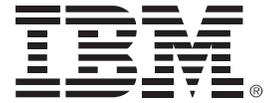
IBM System z, z/OS, and DB2 are well-known for their strong security features and the systems security certification. When using DB2 Connect™, the communication between an external BI application server and the DB2 database server is encrypted for an added level of security. IBM also offers hardware assisted encryption processing that is separate from the main System z processors that execute the DB2 application workload. This separation avoids consuming valuable processor resources for security processing, eliminating overhead that happens so often in other software based security packages.

All these attributes combine to simplify delivery of a responsive infrastructure for enterprises that don't want to micro-manage their IT environment.

### **For more information**

To learn more about IBM System z Solution Edition for Data Warehousing, please contact your IBM marketing representative or IBM Business Partner, or visit: [ibm.com/systems/zbi](http://ibm.com/systems/zbi)





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