



IBM System z Servers

Get world-class performance, flexibility, productivity and savings

Built on nearly four decades of advanced virtualization technology, IBM® System z® offers an advanced combination of security, resiliency, flexibility and availability. Companies investing in their futures are realizing the benefits of System z, and analysts are reporting on a lower total cost of ownership for companies moving more applications to System z. When you consider that 1,500 x86-based servers can be consolidated onto a single System z10™ mainframe, the cost savings in terms of hardware, software licenses, and data center resources such as electricity, cooling and floor space are obvious. And that makes System z the industry leader not just in performance, security and reliability, but also in value.

The IBM zEnterprise™ System is a heterogeneous compute system capable of hosting many workloads integrated together and managed as one single entity. The IBM zEnterprise System includes the zEnterprise 196 (z196), the zEnterprise BladeCenter Extension (zBX) with its integrated optimizers and/or select IBM blades, and the Unified Resource Manager (zManager).

The IBM System z10 Enterprise Class (z10 EC) offers expanded scalability for growth and large-scale consolidation, improved security and availability to reduce risk, and just-in-time capacity deployment.

The IBM System z10 Business Class (z10 BC) is a midrange mainframe that delivers extensive growth options and excellent price-performance for clients requiring a lower-capacity entry point and more granular growth options.

EXPERIENCED, DEDICATED SYSTEM z EXPERTS

As the largest IBM solution provider, Sirius is experienced in providing the best System z, storage and software solutions for our clients' needs.

Design: Sirius has a dedicated team of System z product specialists with related certifications, who design and configure the ideal System z hardware and software solutions.

Delivery: Sirius has dedicated and certified client advocates who coordinate and perform System Assurance Reviews to ensure the quality of your order and the completeness of the implementation plan.

Implementation: Sirius technical and solution consultants, also highly certified and experienced, are available to provide expert implementation and integration services to get the most from your technology investment.

Education: With multiple technology labs and a team of technical consultants, Sirius offers training for your IT teams so that you have the tools and practices for the administration, operation and maintenance of your System z environment.

WHY SIRIUS FOR YOUR SYSTEM z SOLUTIONS?

Sirius gives you:

- ♦ The most experienced System z pre-sales technical assistance
- ♦ Certified System z experts to assist with implementation
- ♦ Client advocates dedicated to ensuring smooth implementation
- ♦ Knowledgeable and certified account executives
- ♦ Focused expertise for server consolidation, specialty engines (zAAP, zIIP, IFL, ICF), high availability, disaster recovery, software management and software pricing, Capacity Upgrade on Demand, WebSphere®, Lotus®, DB2®, Tivoli®, and Security with IBM and Vanguard Integrity Professional products
- ♦ Strong relationships with IBM System z teams
- ♦ IBM System z executive briefings and local events
- ♦ Extensive experience with z/OS®, z/VM®, z/VSE™ and Linux®

SYSTEM z SERVICES

Sirius technical consultants provide services to assess your current environment, design and implement solutions for WebSphere, DB2, Oracle®, Linux, Parallel Sysplex, security, performance analysis and tuning, software licensing management, workload management and more.





SECURITY ON SYSTEM z

The majority of Sirius clients have made it clear that data security is critical to their business. Sirius is committed to providing comprehensive, effective security solutions, and has responded by:

- † Hiring security experts across multiple disciplines
- † Understanding the tools to help assess viable solutions for each specific environment
- † Partnering with industry leaders in security to increase the breadth and depth of our security solutions

SYSTEM z FOR LINUX

Sirius has dedicated resources to help you evaluate migrating Linux applications to your mainframe environment with IBM's Integrated Facility for Linux (IFL). Consolidating multiple Linux server workloads on System z allows you to:

- † Replace one or more physical servers with virtual servers
- † Dynamically share resources to provide dramatically increased utilization
- † Dynamically allocate server resources based on demand
- † Have additional capacity available to handle unpredictable fluctuations as well as planned increases in demand

Consolidating and virtualizing on System z will provide your company with tangible benefits including lower costs, data center simplification, increased security, higher availability, greater utilization, increased management, and increased integration.

SYSTEM z SPECIALTY ENGINES

Mainframe innovation continues with Specialty Engines, processors that help expand the use of the mainframe at lower costs. System z specialty engines include:

- † **zIIP:** Integrated Information Processor. Runs DB2 for z/OS workloads.
- † **zAAP:** Application Assist Processor. Runs z/OS Java™ execution environments.
- † **IFL:** Integrated Facility for Linux. Dedicated to running Linux applications.
- † **ICF:** Internal Coupling Facility. Allows multiple z/OS LPARs to share, cache, update and balance data access.

PARALLEL SYSPLEX AND GEOGRAPHICALLY DISPERSED PARALLEL SYSPLEX

Parallel Sysplex®, implemented through resource and data sharing, ensures continuous availability of your System z environment. With its unique clustering technology, Parallel Sysplex offers the benefits of a single system image across multiple System z LPARs and servers while improving performance and availability for your applications and subsystems. Sirius has experts in this technology and can help you design, plan for, and implement a Parallel Sysplex or Geographically Dispersed Parallel Sysplex (GDPS™) solution to meet your specific availability requirements.

SEE SYSTEM z IN ACTION AT A SIRIUS TECHNOLOGY ENABLEMENT CENTER

Sirius operates nine Technology Enablement Centers (TECs) where our top developers, architects, engineers and IT consultants develop innovative technology solutions tailored to your business needs. Three of the Sirius TECs are certified IBM Business Partner Innovation Centers (BPICs) where you can evaluate System z servers, software and specialty engines in person *before* you invest. For more information about evaluating your System z options at a Sirius TEC, contact your Sirius client executive.

