IBM® System z® Newsletter

Enable a Smarter Infrastructure with the IBM zEnterprise system

Welcome to the May issue of IBM's System z Newsletter – a quarterly publication that provides you with the latest news and developments of all things related to System z. If you have any feedback, please do not hesitate to email us.

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In this issue

On 22 July IBM announced the IBM zEnterprise system - a new class of smarter system designed to help you embrace the opportunities of a smarter planet.

The zEnterprise system is the first of its systems to seamlessly integrate the management of mainframe and select POWER7® and System x® resources associated with workloads as a single device to drive significant reduction in data centre labour costs compared to a distributed-only alternative.

The IBM zEnterprise system enables you to unify and optimise their multi-architecture environments to work as a single, integrated service delivery platform; scale without complexity to meet the growing demands of emerging workloads; exploit the advantages of integrated service management; and implement cloud delivery in a trusted and secure fashion.

Using IBM Smart Analytics Optimizer with the zEnterprise system solution for analysing the data can gain insights from the information in a fraction of a second instead of waiting hours for two disparate systems to integrate their databases.

The objective of the zEnterprise system is to integrate, optimise, reduce complexity and lower the cost of managing the heterogeneous IT infrastructure.

The IBM zEnterprise system is comprised of:

- **IBM zEnterprise system 196. The z196 -** available on September 10, 2010 - contains 96 of one of the world's fastest, most powerful microprocessors running at 5.2 GHz, capable of executing more than 50 billion instructions per second. The 196 offers up to 60 percent more performance than the System z10®, using the same amount of energy. Additionally, a Linux image on z196 – the core zEnterprise system server – can be obtained for as little as US$1* per day
- **IBM zEnterprise system BladeCenter® Extension.** In a first for IBM and the industry, the IBM zEnterprise system BladeCenter Extension (zBX) – available in 4Q10 – allows select POWER7 (4Q10) and System x blades (1H11) to be installed in the zBX, enabling application integration with System z transaction processing, messaging and data-serving capabilities. The blades will run AIX® or Linux for System x, respectively. Together, the zBX and z196 can provide more than one trillion instructions per second total capacity.
- **IBM zEnterprise system Unified Resource Manager.** The Unified Resource Manager – part of the Systems Director family – manages the integration of multiple platform resources as a single, virtualised system and provides a single point of control for the zEnterprise system. This effectively increases each administrator's span of control, while reducing the number of administrators required.

The unique value of the zEnterprise system is the synergy among the range of IBM hardware and software. IBM is also announcing new Information Management, Tivoli® service management, WebSphere® middleware, Rational® development tools and Lotus® collaboration software for the z196, including new products such as SPSS predictive analytics, Master Data Management and the new Smart Analytics Optimizer to enable state-of-the-art analysis that turns data into insight, not hindsight. such as HTTP, MQ and JMS

On demand videos available:

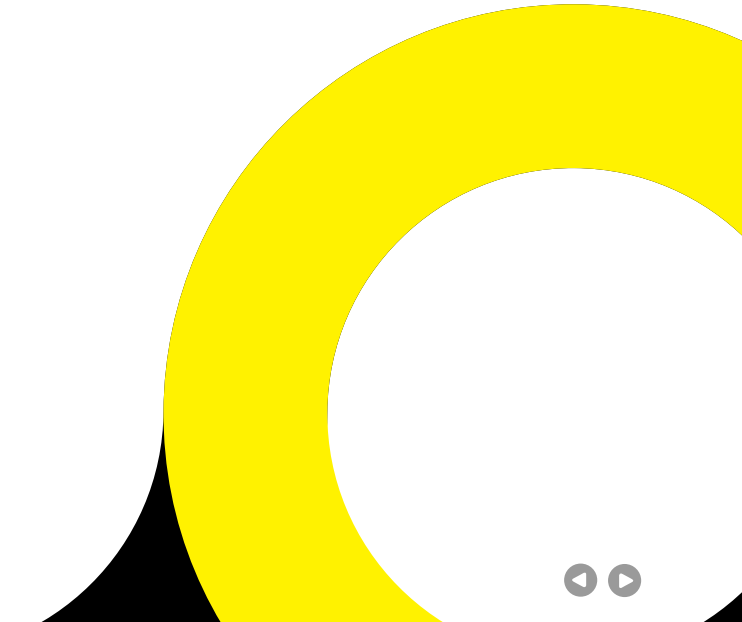
- zEnterprise system Announcement Overview
- Increasing zEnterprise system value with System z software

DB2 for z/OS - It's Time to Modernise!

DB2 for z/OS® has now been generally available for more than six years. While it was the most significant DB2® upgrade since DB2 was first made available in the early 1980s, many organisations have since moved on. Demand has increased for ever higher levels of performance, availability and reliability, and security and data governance. Applications are being developed in java as well as traditional languages and data is being stored in XML. New types of applications such as Operational Business Intelligence are being designed to allow companies and government bodies to maintain a competitive edge.

Fortunately DB2 on z/OS has managed to keep pace with this rapid demand. DB2 for z/OS V9 has been generally available since March 2007 and directly addressed more than 250 customer requirements. The beta program for DB2 for z/OS V10 was announced earlier this year. Organisations now have the perfect opportunity to upgrade their DB2 systems to DB2 for z/OS V9, or in the near future, DB2 for z/OS V10. The themes of Performance, Availability, Scalability, Reliability that were started with DB2 for z/OS V7 and received much attention in V8, have continued to be the foundation of DB2 V9 and even more so in V10 with enhancements in SQL, XML and SOA to support modern application development. And DB2 for z/OS is the only database management system that fully exploits features in its environment, from both the hardware and operating environment.

There has never been a better time to look at upgrading to a newer version of DB2 for z/OS and the sooner organisations migrate to a later version, the sooner they can enjoy the business benefits of the later technology. IBM would be happy to discuss your options for upgrading and help you start planning the appropriate upgrade path for your organisation. Please email John McKinnon at mmcmcki@au1.ibm.com to set up a time to discuss your upgrade plans.



Upcoming z Events*

IBM Enterprise Advance
Join us for an informative lunch session and learn how to get more from your enterprise solutions. Hear from IBM's WW Vice President of Linux and Open Source Bob Suttor who will show you how to reduce costs using Linux and get more performance from your datacentre.

In this session you will learn how cost-effective IT modernisation can be achieved through SOA (Service Oriented Architecture), how you can drive flexibility across your architecture, accelerating innovation and boosting productivity and ways to improve business agility by modernising and optimising IT applications.

To ensure you receive an invitation to the September Sydney or Melbourne events please email your details to Rani Reddy at reddyr@au1.ibm.com

IBM presenting at OSSPAC 2010
OSSPAC 2010 provides the perfect opportunity for IT professionals and managers to discover first hand how open source products, services, and vendors can deliver off-the-shelf solutions for the data processing challenges their companies face every day. Here, you will receive news from industry luminaries including IBM, whilst also receiving current and wide-ranging perspectives on how you can leverage Open Source technologies within any sized enterprise.

IBM Keynote
Join Robert E Shook III, IBM Linux Sales Enablement and Marketing Manager, at his keynote presentation 'Open Source Software: Asking the right questions'.

Mr Shook is responsible for the development and execution of the global market strategy and sales enablement for IBM's middleware solutions running on Linux and Open Source platforms. Rob's twenty-three-year career with IBM has provided a variety of experiences, such as living and working in Sydney, where he led the sales team for IBM's connected e-business products and solutions in the Asia/Pacific markets.

While attending OSSPAC you will also have the opportunity to schedule time with Mr Shook on 14 September to discuss any questions you may have. To register for the event, and to view all event details including associated costs, please visit the OSSPAC website.

IBM reserves the right to alter the program or speakers in any way.

Complimentary Education

The Value and Differentiation of System z (z101)
Module 1: Why Should You Care about Something that Everyone Says Is Old, Expensive, and Hard to Use?, which dispels common myths associated with the mainframe.

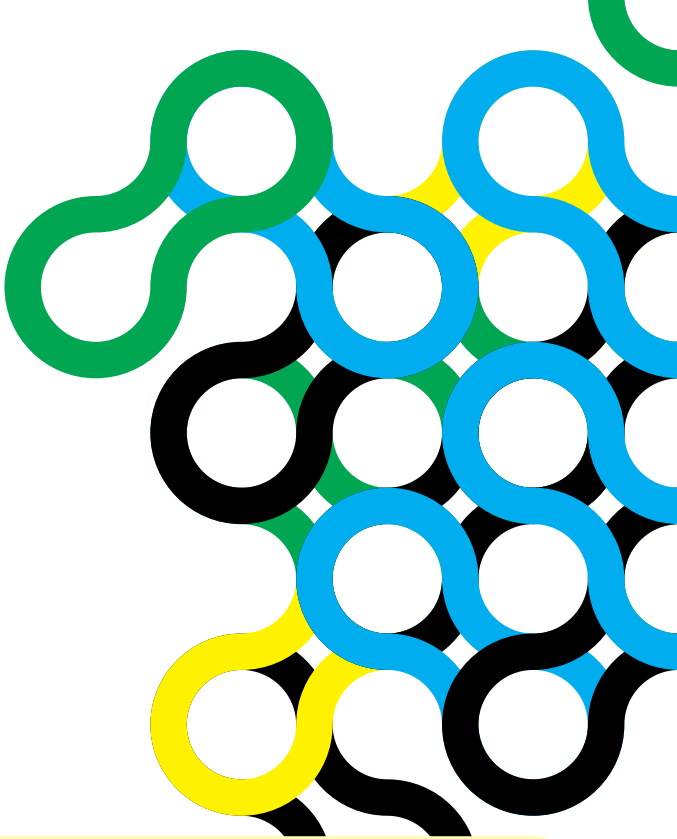
Module 2: It's the Same, Only Different!, which discusses how the mainframe is similar to and different from a distributed system, how the mainframe handles multiple and changing workloads, and why it is an ideal server.

Module 3: The Future Runs on System z, which describes the future that IBM customers are trying to achieve and explains how System z is used as a data server, an application server, and a management hub in the new application development environment.

Module 4: System z – You Can Afford It, but Might Not Know It!, which focuses on correctly assessing IT costs, understanding the true cost of computing, and why System z excels in total cost of ownership (TCO).

Who should take advantage of this course? Anyone wanting to understand the possibilities of the mainframe in today's business environment, but did not know quite how to begin.

Download the course here.



Note: If you use Mozilla Firefox to access the page and download the modules, the Lecture page must be fully loaded and displaying the Introduction text before the View button is clicked.

† Currency is in US dollars

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