



IBM Power Systems with IBM i

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This Issue

IBM Power Systems Announcements April 2010 Recap

Current Offerings and Rebates

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...major new release: **IBM i 7.1**, enhancements to **RPG** for i 6.1 and i 7.1, and new **POWER7™ IBM BladeCenter** servers.

IBM i 7.1 includes the following new enhancements:

- **DB2®** for i enhancements including XML support and enablement of column-level encryption
- IBM i storage management enhancements for automatic data placement for solid-state drives (SSDs)
- IBM i virtual partition enhancements via IBM i and PowerVM™ VIOS
- Enhancements to Web application serving technologies including Apache, Java™, Integrated Web Application Server, Integrated Web Services Server, and Zend PHP environment
- Enhancements to Systems Director Navigator for i for management of IBM i
- IBM i integration with BladeCenter® and System x® via iSCSI technology enhancements with support for software target support

DB2, the integrated database for IBM i, now natively supports **XML** and helps companies exchange information between customers, suppliers, and partners. XML data can now be stored in its native format, split into relational database columns, or created from existing database objects. Support for **OmniFind Text Search** in DB2 adds simpler access to non-structured data that is often stored in XML format.

DB2 for i support for **column-level encryption** enables companies to secure - without application changes - a specific column in a database table. Tool providers, such as Patrick Townsend, Linoma Software, and Protegrity, will supply encryption algorithms that exploit the new support. This is useful for encryption of social security numbers, credit card numbers, and more.

Database performance of the SQL Query Engine (SQE) is enhanced. Support for Logical Files transparently improves application performance. Adaptive Query Processing self-tunes queries on the fly.

IBM Power 520, 550, 560 Trade-In Promotion: If you acquire an eligible new IBM Power 520, Power 550 or Power 560 Express server and trade in one or more designated IBM and/or non-IBM systems, you can receive a trade-in credit for each machine traded in. Eligible trade-in models include 150/170/250/270/Sxx/6xx/7xx/8xx and some Power 520 and Power 550 machines. See IBM Announcement Letter [310-110](#) for details.

IBM BladeCenter JS23 Express rebate: If you acquire an eligible new IBM BladeCenter JS23 Express solution along with an eligible IBM BladeCenter S chassis or IBM BladeCenter H chassis, you can receive a rebate equal to the IBM list price of the acquired eligible new IBM BladeCenter chassis enclosure (without any configured features). For details, please see IBM Announcement Letter [310-101](#).

IBM System i no-charge removal: IBM will provide pickup and proper disposal of an old AS/400, iSeries or System i when an eligible new system is purchased. [310-129](#)

IBM Vouchers: Please note that with IBM i and selected new IBM Power Systems, one or possibly more valuable services and/or education vouchers are included. Note that you *must register* in order to use these vouchers. For details, see the [IBM vouchers site](#).

Look for other promos at the [IBM Promotions site](#).

Additional IBM i 7.1 Function

IBM i **virtualization** is enhanced to simplify workload consolidation and migration to i 7.1. IBM i 6.1 can host the storage of IBM i 7.1 partitions. In addition, IBM i 7.1 can host the storage of IBM i 6.1, AIX®, and Linux® partitions.

PowerHA Asynchronous Geographic Mirroring extends the distance supported for multi-site Disaster Recovery for both internal disk and SAN-based solutions.

IBM i 7.1 is available April 23 and is supported on Power Systems and iSeries servers and blades with POWER5, POWER6 and POWER7™ processors. Upgrades to IBM i 7.1 are supported from [IBM i 5.4](#) and i 6.1.

For more information, contact:

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New POWER7 Blades

New **IBM BladeCenter PS700, PS701 and PS702 Express** servers provide four to sixteen 64-bit 3.0 GHz POWER7 cores to run IBM i 6.1 or later, AIX and Linux workloads. IBM PS blades provide improved performance, scalability, and energy and space efficiency.

http://www-03.ibm.com/systems/power/news/announcement/20100413_ann.html

In related news... **IBM i 7.1** integration with BladeCenter and System x via **iSCSI** technology is enhanced. IBM i now supports iSCSI software targets using standard Ethernet cards, providing faster, software-based connections between IBM i and x86-based systems at lower cost. Also: additional operating system support (VMware VSphere 4.0, Windows® Server 2008 R2) and a new installation wizard were announced.

Rational Open Access enhances RPG for IBM i 6.1 and i 7.1

IBM Rational Open Access: RPG Edition simplifies the development of transaction-processing applications for mobile devices and web services when developing with Rational Developer for Power Systems Software.

Enhancements have been made to RPG IV in IBM i 7.1 and 6.1 to open up the file I/O capabilities, allowing anyone to write innovative I/O handlers to access other devices and resources such as:

- Browsers
- Mobile devices
- Cloud computing resources
- Web services
- External databases
- XML files
- Spreadsheets



IBM Power Systems and IBM i Education

POWER7 Announcement Tour

- Wed., May 5, 11:30 a.m. – 2:00 p.m., Hilton Garden Inn, Denver, CO
- Thu., May 6, 11:30 a.m. – 2:00 p.m., Hilton Tulsa Southern Hills, Tulsa, OK
- Wed., May 12, 11:30 a.m. – 2:00 p.m., Marriott Houston West Loop by Galleria, Houston, TX
- Thu., May 13, 11:30 a.m. – 2:00 p.m., Crowne Plaza Downtown, St. Louis, MO
- Thu., May 20, 11:30 a.m. – 2:00 p.m., Hilton Minneapolis, Minneapolis, MN
- Tue., May 25, 11:30 a.m. – 2:00 p.m., Arizona Biltmore, Phoenix, AZ

For more information and to register, go to: [POWER7 Announcement Tour](#)

Impact 2010

May 2 – 7, Las Vegas, NV
Discover the value of IBM Software on POWER7-based systems.

COMMON IT Executive Conference

May 3 – 5, Hilton Orlando, Orlando, FL
An exclusive event for high-level IT decision makers that want to maximize their Power Systems investment.

IBM Innovate 2010

June 6 – 10, Orlando, FL
The Rational Software Conference is the premier software systems and services event.

IBM Power Systems Technical University

featuring AIX, Linux and IBM i
October 18-22, Las Vegas NV.
The premiere Power Systems technical event.

IBM i Redbooks Web site: <http://www.redbooks.ibm.com/portals/systemi>

Recent Releases/Updates:

- Implementing PowerHA for IBM i
- IBM System Storage Solutions Handbook DRAFT
- IBM i Program Conversion: Getting Ready for 6.1 and Beyond
- Bringing Zip and Unzip to i5/OS PASE and QShell Environments
- IBM Power 770 and 780 Technical Overview and Introduction DRAFT
- IBM Power 750 and 755 Technical Overview and Introduction DRAFT
- Integrated Virtual Ethernet Adapter Technical Overview and Introduction
- IBM Power 520 Technical Overview
- IBM System i5, eServer i5, and iSeries Systems Builder IBM i5/OS Version 5 Release 4
- Bringing Zip and Unzip to i5/OS PASE and QShell Environments
- IBM BladeCenter PS700, PS701 and PS702 Technical Overview and Introduction DRAFT
- WebSphere Application Server V7 Migration Guide DRAFT
- IBM TotalStorage 3494 Tape Library: A Practical Guide to Tape Drives and Automation
- Chelsio 10 GbE Adapters for POWER Systems

Published (Last Updated)

- Nov. 25, 2008 (2/18/10) SG24-7405-00
- March 3, 2010 SG24-5250-07
- March 17, 2010 REDP-4293-01
- Aug. 3, 2003 (3/22/10) TIPS0283
- March 18, 2010 (4/2/10) REDP-4639-00
- March 9, 2010 (4/2/10) REDP-4638-00
- Oct. 10, 2007 (4/2/10) REDP-4340-00
- May 19, 2009 (4/2/10) REDP-4403-00
- Sept. 22, 2006 (4/5/10) SG24-2155-12
- Aug. 18, 2003 (4/5/10) TIPS0283
- Apr. 14, 2010 REDP-4655-00
- Apr. 14, 2010 REDP-4635-00
- Feb. 14, 2009 (4/14/10) SG24-4632-08
- Apr. 14, 2010 TIPS0774

Note: If you've ever wondered about IBM ITSO residencies and perhaps considered participating in one, more information is available at <http://www.redbooks.ibm.com/residents.nsf/ResIndex/>



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