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IBM i 7.2 - TR3 Enhancements

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| Updated Oct 14, 2015 by [ScottForstie](#) | Tags: *None*

Link to IBM i 7.2 TR3 Announcement Letter: https://ibm.biz/IBMi_TR3_RFA

DB2 for i Enhancements

The following article contains an overview of the DB2 for i enhancements.

The article covers both IBM i 7.1 TR11 and IBM i 7.2 TR3 database enhancements.

MC Press Article:

www.mcpressonline.com/db2/what-s-new-in-db2-for-i-with-tr3.html



DB2 for i Functional Enhancements

[OFFSET and LIMIT](#)

[Remote 3-part name support on ASSOCIATE LOCATOR](#)

[LOCATE_IN_STRING\(\) built-in function](#)

[OVERLAY\(\) built-in function](#)

[Flexible Views](#)

[Direct control of system names for global variables](#)

[Remove the 8-80 column restriction for Free form RPG & Embedded SQL](#)

DB2 for i Performance Enhancements

[EVI Only Access \(EOA\)](#)

[Improved code generation for SQL procedures, functions, & triggers](#)

DB2 for i Security Enhancements

[Guardium enhancements for IBM i and DB2 for i](#)

Start Database Monitor (STRDBMON) command filtering improvements

DB2 for i Availability Enhancements

Improved internal management of SQL packages for SAP clients

DB2 for i Navigator Enhancements

IBM i Navigator - database enhancements in IBM i 7.1 TR11 & IBM i 7.2 TR3

New IBM i Services

SYSTOOLS.GROUP_PTF_DETAILS

QSYS2.MEMORY_POOL()

QSYS2.MEMORY_POOL_INFO

QSYS2.SYSTEM_STATUS()

QSYS2.SYSTEM_STATUS_INFO

QSYS2.OBJECT_LOCK_INFO

QSYS2.RECORD_LOCK_INFO

QSYS2.NETSTAT_INFO

QSYS2.NETSTAT_INTERFACE_INFO

QSYS2.NETSTAT_JOB_INFO

QSYS2.NETSTAT_ROUTE_INFO

QSYS2.MEDIA_LIBRARY_INFO

QSYS2.LICENSE_INFO

QSYS2.OUTPUT_QUEUE_ENTRIES()

QSYS2.OUTPUT_QUEUE_ENTRIES

Enhanced IBM i Services

QSYS2.OBJECT_STATISTICS()

QSYS2.GET_JOB_INFO()

QSYS2.ACTIVE_JOB_INFO()

SYSIBMADM.ENV_SYS_INFO

[QSYS2.SET_SERVER_SBS_ROUTING\(\)](#)

[QSYS2.SERVER_SBS_ROUTING](#)

IBM i Licensed Program: Back-up, Recovery and Media Services

[BRMS Technology Updates:](#)

- Modernization of BRMS storage tiering support to now include IFS, IASP, and tiering within an ASP
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IBM i Licensed Program: PowerHA SystemMirror for i

[PowerHA SystemMirror Technology Updates:](#)

- DS8870 IASP-based HyperSwap support is available in IBM PowerHA SystemMirror for i through a Technology Preview
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Hardware and Firmware

[Hardware Enhancements - Platform:](#)

- IBM Power S822 model 8284-22A (with and without PurePower)
- Enhanced RAS for PCIe Gen3 I/O Drawer (#EMX0)

[Hardware Enhancements - I/O:](#)

- LTO-7 Tape Drives
- 4-port 8Gb Fibre Channel Adapter (#EN12)

[Hardware Enhancements - Virtualization:](#)

- Little Endian Linux Client
- vNIC with SR-IOV
- VLAN Tag Support for Network Boot and Install

- Large Send Offload on Virtual Ethernet

Hardware Enhancements - Functional:

- DUPOPT of IPL-capable media enhancement
- SAN Multipath Support for Tape - Automatic Fail-over
- HDD RAID array start time reduced
- IBM i supports SVC/Storwize HyperSwap Volumes

Application Development Updates

We are continuing down the road of Modernization and transforming our system and environments to meet the ever changing needs of our business.

- RPG a Modern Business Language
- Open Source
- Web Sockets
- Zend V8.5



RPG - Free form

The RPG language continues its ever changing path toward being a 'Modern Business Language'. This has been our goal for the past several years, listening to our users and transforming the language to meet the needs of our business applications as well as the modern developers of today.

[Removal of the 8-80 column restriction](#)

Rational Developer for i

The developer tooling for the IBM i developer continues to be updated with the latest industry enhancements and requests from our IBM i community.

- Built in 5250 emulator

- Removal of the 8-80 column restriction
- Improved free-form RPG formatting
- lots more!

[Rational Developer for i v9.5 updates](#)

IBM HTTP Server Updates

The IBM HTTP server (Powered by Apache) continues to be updated to meet the every changing Web landscape. The server has been updated to the latest 2.4.12 release level. Many new updates have been included the most exciting being **WebSockets**. Look for these updates in December and details can be found on the [IBM i HTTP Server Product Page](#).

Open Source

The 5733-OPS product continues to be enhanced. Option 3 will contain the GCC Compiler and Open Source development tool kit.

Zend Server V.8

The latest in PHP technology available on IBM i. Many new features have been added including a long asked for, running old and new servers in parallel.

For details see the [Zend on IBM i home page](#).

System Access and Management

The world of managing and accessing your system continues to change and evolve. With the announcement that the iAccess for Windows product will not be supported on Windows 10, we have been focused on ensuring the functionality our



IBM i family had the tools required to access and manage the IBM i from the devices

used in our modern world.



Navigator

The Web Navigator continues to be updated and enhanced. With our new direction the Access Client Solutions and Web Navigator have been enhanced to work together in a more seamless manner. When you launch the Navigator from the main ACS a connection is created between the 2 interfaces. This allows you to bypass the signon screen.

Access Client Solution

Access Client Solutions continues to evolve based on the input from our many customers. This includes

- Simplified multi user deployment (Oct 2015)
- Easy access to updates from FTP site - No need for ESS (Oct 2015)
- Simplified sign on to Web Navigator - (Dec 2015)
- Run SQL Scripts (Dec 2015)
- SQL Performance Center (Dec 2015)

To get access to the ACS Product [Access Client Solution Product Page](#)

PowerVC for i enhancements

A new release of Power Virtualization Center (PowerVC) contains multiple

capabilities and enhancements for IBM i to help users to manage the cloud and virtualized environments. For more information, visit '[IBM Power Virtualization Center \(PowerVC\) for IBM i](#)' Page.

Comments

There are no comments.