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IBM i 7.2 - TR1 Enhancements



| Updated Feb 10, 2015 by [cqzheng](#) | Tags: *None*

DB2 for i Enhancements

The following article contains an overview of the DB2 for i enhancements. The article covers both IBM i 7.1 TR9 and IBM i 7.2 TR1 database enhancements.

MC Press Article: "**Step Right up and Hear About DB2 and TR9!**"



<http://www.mcpressonline.com/ibm-i-os/400-i5/os/step-right-up-and-hear-about-db2-and-tr9.html>

DB2 for i Functional Enhancements

[Pipelined Table Functions](#)

[Regular Expressions](#)

[LPAD & RPAD Scalar Functions](#)

[JOB_NAME & SERVER_MODE_JOB_NAME - DB2 built-in global variables \(7.2 only enhancement\)](#)

[RUNSQL control of output listing](#)

[LOCK TABLE ability to target non-FIRST members](#)

[QUSRJOBI\(\) retrieval of DB2 built-in global variables \(7.2 only enhancement\)](#)

DB2 for i Database Management Enhancements

[Some SQL messages changed to return SQL column names](#)

[Debugger support for EVAL within SQL Routines and SQL Triggers](#)

DB2 for i Performance Enhancements

Database monitor with condensed host variables capture
Comprehensive support for 'Keep In Memory'
Automated DBE tasks for Navigator
Index 'Creation date' added to Navigator's Schemas & DB2 for i Catalogs
Visual Explain ability to drill into a UDTF

DB2 for i Security Enhancements

Add OR REPLACE for masks and permissions **(7.2 only enhancement)**
Add the HOSTVAR parameter to the STRDBMON command

DB2 for i - New IBM i Services

QSYS2.JOBLOG_INFO
QSYS2.LIBRARY_LIST_INFO
QSYS2.REPLY_LIST_INFO
SYSTOOLS.GROUP_PTF_CURRENCY **(7.2 only enhancement)**
QSYS2.JOURNAL_INFO
System Limits Phase 3 - IFS File System Object tracking **(7.2 only enhancement)**

DB2 for i Availability & Recovery Enhancements

Faster IASP vary on

DB2 for i - Navigator Enhancements

IBM i Navigator - database enhancements in IBM i 7.1 TR9 & IBM i 7.2 TR1

Systems Management

The Web Navigator has been significantly updated to include a number of new features, functions, as well as many new usability and performance updates. The Database component was a significant area of focus for this delivery. These updates can be found on the Systems Management developerWorks page -

<http://www.ibm.com/developerworks/community/wikis/navigator>

Integrated Web Services Server - REST Based Services

The integrated web services server has been updated to now include the ability to create and host REST based web services on top of your ILE based RPG and COBOL programs. The IBM Web Administration for i GUI interface (<http://hostname:2001/HTTPAdmin>) has been updated to allow users to quickly and easily create new web services that leverage REST as well as the existing SOAP web services support. Additionally new QShell scripts have been added to give you the ability to easily save and restore your web services servers from one system to another. The restoreWebServices script has been enhanced to support the migration from version 1.5 to the latest Liberty based support.

Details can be found at - <http://www-03.ibm.com/systems/power/software/i/iws/>

Application Development

Rational Developer for i (RDi) has been updated to RDi V9.1. This latest updated contains several important updates that are focused on helping the developer significantly improve the quality of their applications leveraging the new interactive Code Coverage support as well as the existing batch Code Coverage support. Additionally the ability to distribute and maintain RDi across a team of developers have been greatly improved with the addition of Push to Client support. This allows the ability from a central IBM i server distribute standardizes template, connection information, filters, and many other aspects of your RDi deployment. For details see - <http://www-03.ibm.com/software/products/en/dev-ibm-i/>

Node.JS

Open source is continues to plan an important role in applications on IBM i. To continue to meet this need, Node.js, a platform built on Chrome's Javascript runtime for 'server-side' and networking applications. This includes extensions to all access to DB2 for i, and many other native ILE objects. Details can be found at : <http://www.ibm.com/developerworks/ibmi/techupdates/opensource>

Note: Node.js is a registered trademark of Joyent, Inc. in the United states and other countries. This module is not formally related to or endorsed by the official Joyent Node.js project.

Software Group Updates

IBM WebSphere Commerce V7 Feature Pack 8

The Commerce solution has been updated with a number new features and is now available on IBM i. This is a cumulative delivery including all previous feature packs. Link to follow.

IBM MQ V8

The MQ product has been updated and is now available on IBM i. This is a significant updated. In addition to enhancements to the Main MQ products, this updates includes a packing change to now include the File Transfer edition and the IBM Advanced Message Security support now all running native on IBM i. For details

see - http://www-01.ibm.com/common/ssi/ShowDoc.wss?docURL=/common/ssi/rep_ca/7/897/ENUS214-177/index.html&lang=en&request_locale=en

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

BRMS Technology Updates:

- Support for new TS1150 Enterprise Tape Drive
 - Additional back-up automation with STRBKUBRM
 - Added capability to process journal entries that start with “Q”
 - Easier to print reports with PRTRPTBRM
 - Additional options for BRMS object lists
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Hardware and Firmware

Hardware Enhancements - Platform:

- IBM Power E870 model 9119-MME
- IBM Power E880 model 9119-MHE
- New HMC V8.2 release

Hardware Enhancements - I/O:

- 19-inch PCIe Gen3 4U I/O Expansion Drawer (#EMX0)
- TS1150 Enterprise Tape Drive
- 2.0 TB Removable Disk Cartridge (#EU2T)
- 177 GB 1.8-inch SSD Read Intensive (#ES0Y/#ES0Z)
- 571 GB 15K RPM 528 SAS Disk Drive (#ESDE/#ESDN/#ESDJ)
- 600 GB 15K RPM 5xx SAS Disk Drive (#ESDK/#ESDP/#ESDF)
- 387 GB 4K SSD Drive (#ES0V/#ES0R/#ES0U/#ES0Q)
- 775 GB 4K SSD Drive (#ES0X/#ES0T/#ES0W/#ES0S)
- 283/571 GB 15K RPM SAS 4K (#ESEY/#ESFA/#ESFE/#ESFN) adds VIOS
- PCIe Crypto Coprocessor (#EJ27/#EJ28/#EJ29)

Hardware Enhancements - Functional:

- Decreased Minimum Loadsource Size

Comments

There are no comments.