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## IBM i Technology Updates

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## IBM i 7.3 - TR5 Enhancements

## Infosphere Guardium V9 – target DB2 for i as a data source

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## IBM i 7.2 - TR5 Enhancements

Updated June 21, 2017 by [amra1](#) | Tags: *None*

Page Actions

Note: The announcement materials for IBM i 7.2 TR5 can be found here: [http://ibm.biz/IBMi\\_72\\_TR5](http://ibm.biz/IBMi_72_TR5)

The remainder of this landing page intends to make it easy to see the supporting detail these enhancements.

## DB2 for i Enhancements

## DB2 for i - Functional Enhancements

- [JSON\\_TABLE\(\)](#) table function
- [Enhanced INCLUDE SQL statement](#)
- [Add BINDOPT and INCFILE to SET OPTION](#)
- [Enhanced QSYS2.SYSPARTITIONSTAT catalog](#)
- [Enhanced REPLACE\(\) scalar Built-in function](#)
- [Debugger enhanced for SQL procedures, functions and triggers](#)

## DB2 for i - Performance Enhancements

- [Improved Inlining support for SQL Scalar User Defined Functions \(UDFs\)](#)
- [Statement deterministic functions](#)
- **Faster implementation of the following Built-in Scalar functions:**
  - LPAD
  - RPAD
- **Faster implementation of the following DB2 for i catalogs (views):**
  - QSYS2.OBJECT\_LOCK\_INFO
  - QSYS2.SYSPROGRAMSTAT
  - QSYS2.SYSPROGRAMSTMTSTAT
  - QSYS2.OUTPUT\_QUEUE\_ENTRIES
  - QSYS2.OUTPUT\_QUEUE\_INFO

## DB2 for i Services (new)

- [QSYS2.PARSE\\_STATEMENT\(\)](#) table function

## IBM i Services (new and enhanced)

- [QSYS2.HISTORY\\_LOG\\_INFO\(\)](#)
- [QSYS2.JOB\\_INFO\(\)](#)
- [SYSTOOLS.GROUP\\_PTF\\_CURRENCY](#)
- [SYSTOOLS.GROUP\\_PTF\\_DETAILS](#)
- [QSYS2.OBJECT\\_STATISTICS\(\)](#)
- [QSYS2.GET\\_JOB\\_INFO\(\)](#)
- [QSYS2.DISPLAY\\_JOURNAL\(\)](#)

## PowerHA SystemMirror for i

- [Support for IBM SVC and IBM Storwize HyperSwap](#)
- [New HMC interfaces for Advanced Cluster Node Failure Detection](#)

## Hardware

## Platform

- [IBM Power S822 Model 8284-22A increases max cores](#)
- [NovaLink support for SR-IOV configurations](#)

## I/O

- [#ESLS - EXP24SX SAS Storage Enclosure](#)
- [#EJ32, #EJ33 - PCIe3 Crypto Coprocessor 4767](#)
- [#EC3M, #EC3L - PCIe3 2-port 100 GbE](#)
- [#EUA3 - RDX USB Top Mount Docking Station](#)
- [Tape Library TS4500 R3](#)

## Virtualization

- [vNIC fail-over](#)
- [Shared Ethernet Adapter \(SEA\) large send](#)

## Functional Enhancements

- [Containers make USB Flash and RDX look like a stack of DVDs](#)
- [Identifying a partition with a UUID](#)

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## Application Development

### RPG - Unicode Source

Compile RPG from Unicode - New TGCCSID parm for CRTBNDRPG & CRTRPGMOD

### Rational Developer for i - V9.5.1

- [Mac support](#)
- [Kerbrose - Single SignOn](#)
- [ILE RPG Outline subset to referenced variables](#)
- [ILE RPG live model improvements](#)
- [IFS synchronization support for local projects](#)
- [Run SQL Queries from RDi, now with Formatter!](#)
- [Visual Explain](#)
- [Improved Spool File support](#)
- [Block nesting shows containing Procedure / Subroutine](#)
- [EGit plugin support - Easy integration with Git for source control](#)

### Integrated Web Services Server

[Swagger support to describe REST Web Services](#)

### IBM i HTTP Server (Powered by Apache) 5770-DG1

[Updates to the Apache 2.4.20 level](#)

### WebSphere Application Server V9

[The latest Java EE7 support for WAS](#)

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## Open Source

- [Perl - Being added to Option 7 of 5733OPS](#) (being delivered before End of December)
- [Node.JS V6 being delivered in Option 10 of 5733OPS](#) (being delivered before End of December)

Open Source for the RPG Programmer. The new OSSILE Git Hub repository is for RPG programmers to share with the IBM i RPG community code that has saved them time, improved their programs, or source that they feel will be a benefit to other in the IBM i RPG Community. [OSSILE Git Hub Location](#)

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## Systems Management

### PowerVC for i

[The new version of PowerVC for i includes multiple enhancements.](#)

### Access Client Solutions

[The M6 version of ACS includes a wealth of updates for the Database Engineer.](#)

### IBM Cloud Storage Solutions

[Cloud Storage Solution for i is an API that enables deployment of IBM i data to a public cloud](#)

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