



What's New in Db2 11.1.4

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THE STORY SO FAR...



- Regular updates of function and fixes
- Roughly every 6-9 months
- Boosted by interim fixes





What's New in 11.1.4?

- Supports Power9 on supported O/S (non-pS / non-HA)
- Supports pS on SLES 12 SP2 (x86)
- Supports pS on RHEL 7.5 (x86 & PowerLE)



What's New in 11.1.4?

- Several pureScale cluster management and usability enhancements
- Performance improvements and optimizations
- Streamlined online backup bufferpool flushing
DB2_REDUCE_FLUSHING_DURING_BACKUP

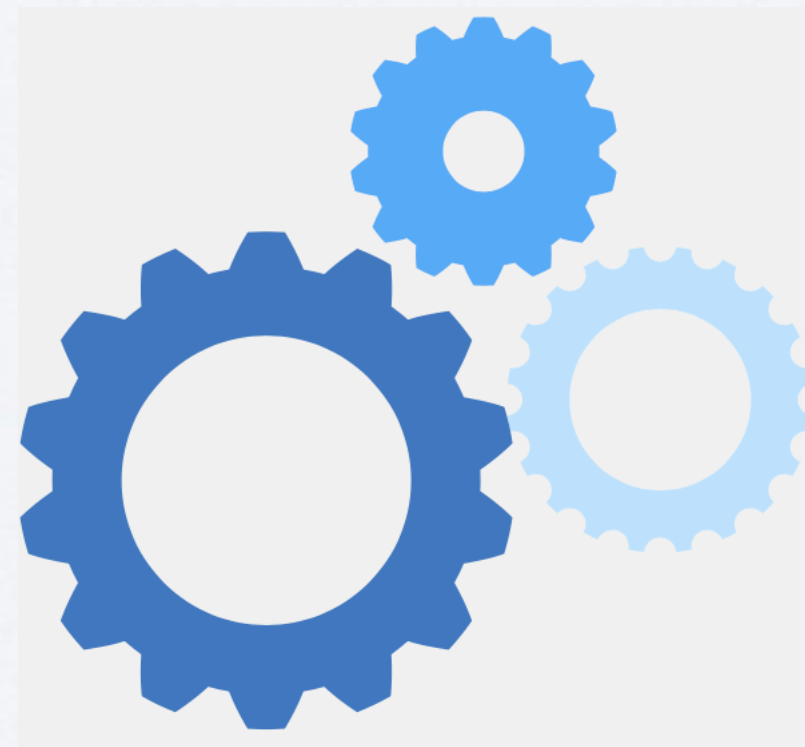


What's New in 11.1.4?

- Improved performance of mirrored log IO
`DB2_USE_ASYNC_FOR_MIRRORLOG`
- Enhanced backup/restore performance statistics
and metrics
db2pd ... -barstats

Enhanced Federation Connectivity

- Sybase I 6
- Oracle I 2cR2
- CouchDB
- HANA
- Greenplum
- Azure



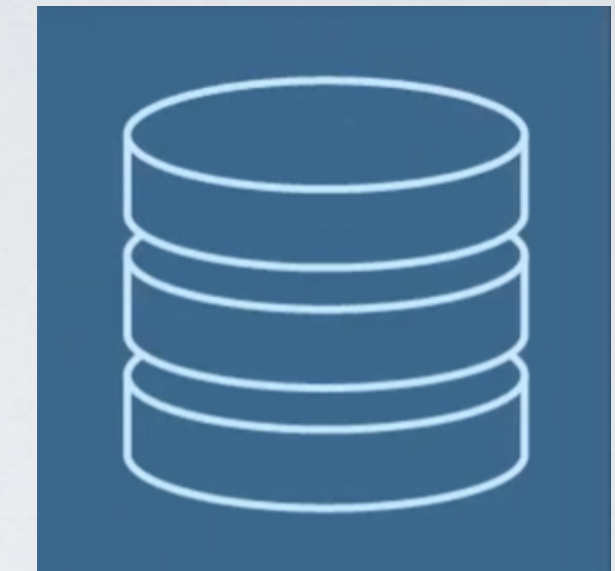
ISO JSON SQL - Wave I

- BSON_TO_JSON
- JSON_TO_BSON
- JSON_ARRAY
- JSON_OBJECT
- JSON_VALUE
- JSON_QUERY
- JSON_TABLE
- JSON_EXISTS
- Existing SYSTOOLS functions will continue, de-emphasized
- These are SYSIBM routines
- Public standard - SQL:2016
- Easier to use

HADR RoS

- Better HADR RoS availability through a reduced replay-only window
DB2_HADR_ROS_AVOID_REPLAY_ONLY_WINDOW
- When OFF, replay-only window when DDL or maintenance log-records are replayed — all application connections on the standby database will be forced off.
- **NEW:** When ON, standby does not enter replay-only window. Only application connections on the standby which hold locks that conflict with the DDL or maintenance operation to be replayed will be forced off.

pureScale Extent Reclaim



- ALTER TABLESPACE ... REDUCE
- Attempts to reduce the high water mark of a table space by moving live extents to unused space lower in the tablespace
- DB2_ENABLE_PS_EXTENT_RECLAIM

Tech Preview: 4k Sector Support

- Not yet for production use
- Optionally enabled by registry variable
DB2_4K_DEVICE_SUPPORT
- No pS, no DMS raw containers, etc. yet
- Try it out and let us know

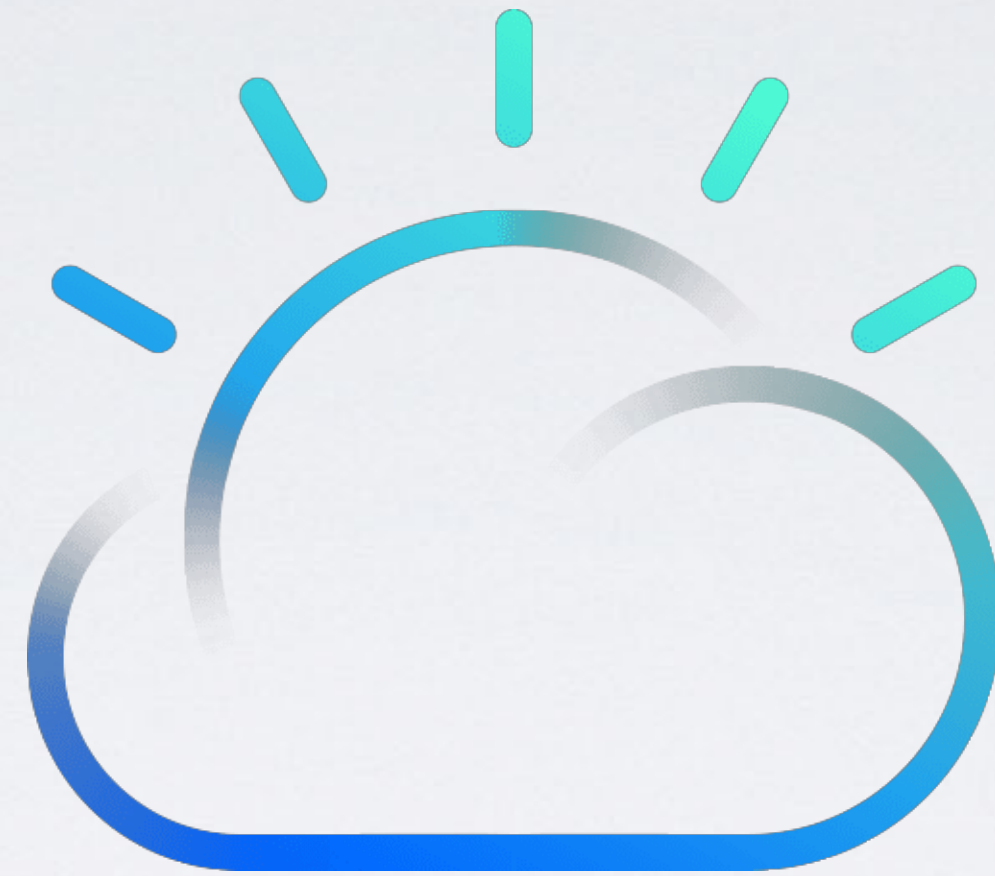




Db2 11.1.4.4
! Available Now !



WHAT'S NEXT FOR 11.1 ?



- APARs and security updates for 11.1
- 11.1.4 is expected to be the final 'mod' of 11.1
- vNext... stay tuned

STAY IN TOUCH

- Register for Db2 Early Access Program
<http://db2-beta.mybluemix.net>
- Aha! future roadmap
<http://ibm.biz/AnalyticsRoadmaps>

