August 2000: Enhancement Requests
Now / Soon Available in Image/SQL

The following enhancements are now or will soon be available in Image/SQL, as a result of SIGIMAGE working with HP since 1990; and more recently SIGHPSQL doing same. **The first 41 items are all available NOW. Items 42 and up available "SOON", or on specific release as indicated:**

1. Critical Item Update (CIUPDATE), for IMAGE Search Keys and Sort Items.

2. Bundling Image/SQL as part of IMAGE, instead of making it a separate product.

3. Increase IMAGE dataset capacity to 4 GBytes.

4. Increase IMAGE dataset capacity beyond 4 GBytes.

5. Removal of the need for LG capability for User Logging.

6. Detail Dataset Dynamic Expansion (DDX).

7. Master Dataset Dynamic Expansion (MDX).

8. DBPUT with $NULL Search or Sort Fields with CIUPDATE.

9. Control of Free Entry List usage.

10. DBGET Error 18 broken chain retry.

11. Improved database corruption detection during DBPUT.

12. Image/SQL able to take advantage of Third-Party Indexing (TPI).

13. Item level locking in Image/SQL.

14. Native Mode QUERY.

15. Sorted Sequential Access (a.k.a. IMAGE intrinsic B-trees).

16. Better Deadlock detection and prevention.

17. Dynamic Transactions covering more than one IMAGE database (DMDBX).

18. IMAGE capacity changes without having to DETACH / ATTACH.

19. Security enhancements in the IMAGESQL Utility program.

20. Enhanced UPDATE TYPE command in the IMAGESQL Utility.

21. DBSCHEMA and DBUTIL migrated to Native Mode (NM).

22. One-time make CIUPDATE = ALLOWED the default.

23. Provide a bundled 32-bit ODBC driver with Image/SQL.

24. Increase XM rollback limit from 2 MBytes to 4 MBytes.

25. DBINFO mode (406) to give fully qualified database name.

26. QUERY support of IMAGE intrinsic B-trees.

27. QUERY FIND, MULTIFIND, SUBSET: NO MATCH option.

28. IMAGE, DBUTIL, DBSCHEMA, DBChangePlus, and QUERY support dataset max entry length of 2378 words.

29. Multiple DBPUT - DBDELETE - DBUPDATE Dependency Semaphores: Independent Master-Detail scalability (DSEM).

30. QUERY FORM INDEXES to show all OMNIDEX Indexes.

31. Make NM QUERY the default (changed for MPE 6.0).

32. DBUTIL option to confirm PURGE and ERASE.

33. Increase internal limits to allow datasets up to 80 GBytes.

34. *TPI (Third Party Indexing) performance enhancement, through bypassing TPI calls when they are not needed:*

35. *Image/SQL support of row-level locking for DBOPEN Mode 1 SQL updates to Masters. Also resolves "DBG lock area full".*

36. Enhance IMAGESQL SPLIT and UPDATE TYPE to allow SIGNED or UNSIGNED for P and Z datatypes.

37. DBUTIL flag to ENABLE / DISABLE loading of deadlock detection data (execute for Image/SQL users only, unless call DBCONTROL for TurboIMAGE).

38. No more DBUTIL "stealth" flags/options (SHOW / HELP all).

39. Master DDX capacity does NOT have to fill last block.

(Now / Soon CONTINUED on next side)

Available

40. XM rollback limit > 4 MBytes per transaction mitigation:
NOW

41. XM > 64 MB open transactions per volume set mitigation: **NOW**

42. Enhance IMAGESQL SPLIT and UPDATE TYPE
commands to handle invalid TurboIMAGE dates;
and to allow mapping TurboIMAGE Z6, Z8, & P8
datatypes to SQL dates: **GR PATCH right after 6.5**

43. New JCW: NODBUTCONF. Allows option to suppress
DBUTIL confirm of PURGE and ERASE for SESSIONS
(DBUTIL never asks for confirmation in BATCH).   **C.07.27**

44. **Increase internal limits to allow datasets much
larger than 80 GBytes (Change EntryByName
to 32-bit EntryByNumber):**   **SOON**

45. DDX functionality with Large Files in TurboIMAGE: **SOON**

46. **Allow > 199 datasets in one database (going to 240**
(limited by # of root file labels & Remote File Access)): **SOON**

47. **Allow > 1023 items in one database   (going to 1200**
(limited by Remote File Access)):   **SOON**

48. **Allow > 16 paths in one MASTER**   (going to 64):   **SOON**

49. **Use MPE "large files" to get > 80 GBytes in one
dataset, instead of increasing the number of
JUMBO "chunk files".**   **SOON**

50. Migration utility to move databases from JUMBO chunk
files to MPE "large files".   **SOON**

51. **ONE-time make DBUTIL DUMPING and DSEM flags
default = ENABLED:**   **SOON**

52. Allow DBGET using IMAGE record number in QUERY: **SOON**

53. **Allow DBE Stored Procedures to call another Stored
Procedure:**   **SOON**

54. **Image/SQL support for aliasing column and table names: SOON**

"Now / Soon" HISTORY:

ELEVEN new items added to "Now / Soon" in 1998.
NINE   new items added to "Now / Soon" in 1999.
ELEVEN new items added to "Now / Soon" in 2000 (so far).

➜➜ Latest TurboIMAGE vers / GR patch for 5.0:
TIXKXP6 (C.07.21)

➜➜ Latest TurboIMAGE vers / GR patch for 5.5 / 6.0:
TIXKXX8 (C.07.25)

➜➜ TurboIMAGE base version for 6.5:   C.08.00

➜➜ TurboIMAGE patch expected GR for 6.5 "soon":
TIXLX74 (C.08.01)