



Transaction Processing Facility

TPFDF Status Update

Kevin Jones

Agenda

- TPFDF PUT 18 Information
- TPFDF PUT 19 Review
 - ▶ Planned availability - June 2004
 - ▶ Highlights include:
 - FARF6 and 8-Byte File Addresses
 - Large Logical Records (LLR)
 - Restore INLINE option when reading records
- Future Plans
- Question and Answer

TPFDF PUT 18 Information

- Customers installing TPFDF PUT 18 should also install TPF APAR PJ29698, which is available electronically
 - ▶ removes data level swapping and check for outstanding I/O in the TPFDF Common Entry Point (CEP)
 - ▶ code is no longer necessary with TPFDF DECB support (PQ51955)

FARF6 and 8-Byte File Address Support

- Allow FARF6 and 8-byte file addresses in TPFDF databases
- Users are ***not*** required to use FARF6 or 8-byte file addresses
- First deliverable is APAR PQ74483, which is now available electronically
 - ▶ New 8-byte API parameters
 - ▶ 8-byte file addresses in output messages
 - 4-bytes still allowed on input commands
 - ▶ TPFDF internally uses 8-byte file addresses
 - ▶ APARs PQ81044 and PQ80141 should also be applied
 - both APARs are also on TPFDF PUT 19

FARF6 and 8-Byte File Address Support

- Planned second deliverable will provide:
 - ▶ ZMODE command to allow FARF6 address dispensing for TPFDF databases
 - ▶ DBDEF switches to control:
 - FARF6 dispensing
 - migration of existing file address references to 8-bytes

Large Logical Records (LLR)

- API improvement allowing applications to use logical records (LRECs) larger than 4K
 - ▶ 2-GB theoretical maximum
- Improved database integrity using a buffer to access logical records
- Allows large records in existing databases without redesigning the database in most cases
- No impact to existing databases or applications not using LLRs
- Satisfies TPFUG requirement DF96012
- Now available electronically as APAR PQ75887.

Restore INLINE Option

- APAR PQ60326 on TPFDF PUT 18 removes the INLINE option for DBRED and DBADD
- DBRED INLINE has been restored with PQ79120, which is now available electronically and is planned for TPFDF PUT 19
 - ▶ IBM recommends applying this APAR at the same time as PQ60326

Future Plans

- System Error Enhancements
 - ▶ Provide more application control
 - Fewer system errors that exit
 - Increase number of return codes
 - ▶ New behavior will be an optional setting
 - ▶ Accepted TPFUG requirement DF00020
 - ▶ Ranked #1 in Fall 2001 survey.

Future Plans

- C/C++ API Improvements
 - ▶ Redesign C API to improve usability
 - ▶ Consider implementing C++ API
 - ▶ Using input from TPFUG Requirements DF00153 and DF00152
 - ▶ Looking for additional ideas from user community!

Question and Answer

TPFDF Status Update

Any references to future plans are for planning purposes only. IBM reserves the right to change those plans at its discretion. Any reliance on such a disclosure is solely at your own risk. IBM makes no commitment to provide additional information in the future.

IBM is a registered trademark of International Business Machines Corporation in the United States, other countries, or both.

Other company, product, and service names may be trademarks or service marks of others.