

PTFs that affect objects, such as views, indexes, stored procedures, packages, IVP jobs, CLISTS, etc.

PTF No.	Hold Action Abstract
UK40265	ALTER PROCEDURE REGENERATE for each native SQL procedure that is affected.
UK40505	Refresh packages, Refresh the WLM environments related to PROCEDURE modified
UK40838	Recreate VIEW, INDEX, MQT, UDF, REBIND PACKAGE/PLAN which invoke LOCATE_IN_STRING(INSTR) function improperly
UK41538	Rebind package for DSNUTILS. RESTART PROC(SYSPROC.DSNUTILS) to resume DSNUTILS activity
UK41758	bind the packages that updated as a result of installing this PTF
UK42082	JDBC driver related object changes, update customized CLIST, job, do BIND according to hold action
UK42084	Explain tables change, update related job according to hold action
UK42093	Update SYSPROC.DSNAHVPM according to hold action, it is used by OSC or OE
UK42313	It corrects a problem of incorrect data type calculation for an arithmetic expression involving BIGINT constants and DECIMAL operands. To make the fix effective, related VIEW, INDEX, MQT, UDF, SQL PL may need recreate.
UK42421	If there are any spatial indexes created before this PTF, then after applying this PTF, the user needs to DROP and RECREATE them.
UK42598	If there has been INSERT or LOAD into an XML column with XML value indexes since PK66218/UK38971 was applied, follow hold action to check and rebuild the indexes if necessary
UK42993	If you have installed the optional feature JDB9912, which provides the current JDBC driver, Customize and re-run the JCL job named DSNISMKD, which resides in hlqual.SDSNBASE.
UK43300	This PTF fixes the processing of Native SQL PL Procedure during ALTER ADD VERSION to inherit the SYSROUTINES.OWNER value correctly. To fix existing procedures, identify them according to hold action and DROP/CREATE
UK43413	BIND PACKAGE (DSNMQUDF) MEMBER (DSNMQHLP)
UK43685	Rebind package for DSNACCOR. RESTART PROC(SYSPROC.DSNACCOR) to resume DSNACCOR activity
UK43756	(1) Refresh the DB2 scheduler package. (2) Refresh the WLM environments used by the scheduler stored procedures and UDF
UK46093	Update your customized copy of job DSNTIJPM
UK46419	Refresh the DB2 scheduler package. Restart the DB2 scheduler for administrative tasks
UK46488	Update customized CLIST, DSNTIJSG, create/alter SP, BIND package, refresh WLM according to hold action

UK46552 Update private copies of the installation CLIST. Update your customized copy of job DSNTIJSG. Create and bind the new SYSPROC.WLM\_SET\_CLIENT\_INFO stored procedure.

UK46818 ALTER PROCEDURE REGENERATE is required for each native SQL procedure that is affected by this PTF

UK46943 Run the BIND statements for DSNACOL8, DSNAPC08, and DSNASTA8. Refresh the WLM environment.

UK48607 Update customized CLIST and JCL according to hold action

UK50090 BIND PACKAGE relates to XML validation function according to hold action

UK50371 In order to fix the incorrect catalog table values, the users can identify them according to hold action, after applying the fix, they can use the returned TBCREATOR and TBNAME to drop and recreate such a table.

UK50519 ALTER PROCEDURE REGENERATE is required for each native SQL procedure that is affected

UK50660 Refresh the DB2 scheduler package. Restart the DB2 scheduler for administrative tasks

UK53046 Refresh the DB2 scheduler package. Restart the DB2 scheduler for administrative tasks

UK50996 It fixes data truncation problems that can occur in SQL procedures that use string parameters and variables that contain SQL data with embedded null byte (hex '00') character values. Rebuild related load module according to hold action

UK51293 Regenerate VIEW, MQT, SQL PL contains comparison between VARCHAR and CHAR FOR BIT DATA with different encoding schemes.

UK51718 Update customized copy of job DSNTIJSG, DSNTIJNX, installation CLIST

UK52039 BIND PACKAGE(SYSXSR) MEMBER(DSNNVBXT)

UK52813 Update DSNTIAUL load module and plan

UK52835 Update DSNTIJSG, related SP, refresh WLM according to hold action

UK52943 ALTER PROCEDURE REGENERATE is required for each native SQL procedure that is affected.

UK53250 Use sample JCL to put DB2 explain tables into current release format. Migrating EBCDIC explain tables to Unicode

UK53561 Update customized DSNTIJSG. Alter the table SYSIBM.DSLIST and bind the DBRM for SYSPROC.ADMIN\_DS\_LIST. Refresh the WLM

UK53615 Refresh the package for DSNAEXPL and WLM

UK53631 Re-bind packages for the Annotated XML schema decomposition stored procedures

UK54146 Run the BIND statements in step DSNTIJO of your customized DSNTIJNX.

UK54246 The load module for an external SQL procedure exhibiting the symptoms needs to be rebuilt (precompile, compile, link, and BIND of the associated DBRM)

- UK54479 Identify the foreign keys which may have been incorrectly created and drop them according to hold action
- UK54574 Update private copy of the DSN6SPRC from prefix.SDSNMACS library (look for lines that contain the string SPRMBXQT).
- UK54700 If the XML schemas that are affected by this problem have already been registered, they need to be re-registered
- UK54790 ALTER PROCEDURE REGENERATE is required for each native SQL procedure that is affected.
- UK55251 Alter function definitions to enable SOAP 1.2 support, refresh WLM
- UK56789 Update customized DSNTTEJ1 and installation CLIST
- UK56286 Identify indexes which are affected by the incorrect piece size problem, fix them by DROP/RECREATE, REBUILD.

## Important: PTFs that change DB2 behavior

PTF No.	Hold Action Abstract
UK40958	In a mixed CCSID environment, NOGRAPHIC option in precompiler/coprocessor will be ignored
UK41602	REPAIR with a list of SET TABLESPACE NOCOPYPEND statements, CODE is changed to issue the MSGDSNU185I and skip the undefined table space,
UK43948	removed. To support existing JCL, utility jobs which specify JES3DD will receive MSGDSNU073I
UK43962	It fix the problem where DB2 accumulating ASUTIME / CPUTIME incorrectly. With this PTF applied, the ASUTIM or CPUTIME set by the user used to be appropriate may now be too big and applications may receive less -905 SQLCODE.
UK44076	users who parse or process image copy datasets other than through native use of DB2: After applying the PTF header pages in incremental copy datasets may sometimes have a PGEND value of 'E' or 'N' in cases where it was 'V' or '8' before.
UK44703	DB2 for z/OS utilities now always specify MAINSIZE=MAX on the invocation of DFSORT and limit the storage consumption of each sort task by specifying an individual DSA size based on available storage and the DSA installation option setting.
UK45685	In specific scenario, DB2 is modified to issue SQLCODE270 when an UPDATE statement is executed against a table with a BEFORE UPDATE TRIGGER. It can be avoided by a rebind with optimizer hints or by application modification.
UK45881	REORG TABLESPACE and LOAD REPLACE won't convert compressed table spaces from Basic Row Format to Reordered Row Format in DB2 9 NFM
UK45898	It changes the information in the BSDS for DB2 system-level backups (SLB). It may affect vendor products that are reliant on the SLB
UK46218	If ALTER TABLE and ALTER INDEX cause a versioned OBD to be created or updated, and the size of the versioned OBD is >30000 bytes, modified SQLCODE -270 will be issued.
UK46277	REORG instead of REORGI is used as the substitution for the &UN symbolic variable when specified on a TEMPLATE for the SYSUT1 data set during a REORG INDEX.
UK46796	After applying this APAR, UNLOAD of XML data where all XML columns are unloaded using file reference variables will default to padding all variable length columns
UK48469	<ol style="list-style-type: none"><li>1. Database Commands with range specified may affect different objects when the order of the range is switched.</li><li>2. Database Commands with range specified that used to break before may work after applying this PTF.</li></ol>

- UK44489 The default maximum number of databases that can be created implicitly will be lowered from 60000 to 10000.
- UK49339 It will limit the memory use to the same amount as when DB2 chose to invoke DFSORT with a AINSIZE value specified.
- UK49577 DB2 has been modified to issue SQLCODE -408 when a table locator or result set locator variable is referenced incorrectly.
- UK49854 DB2 will now start to issue the DSNJ032I and DSNJ033E warning messages when the current RBA is greater than x'F00000000000'. The critical RBA threshold will remain at RBA x'FFFF00000000'.
- UK49859 with this PTF applied there may be a resource unavailable condition issued where it was not being issued before.
- UK50265 When LOAD PART REPLACE is run on a partitioned table space, leaf pages of a non-partitioned secondary index (NPSI) can become empty due to the replace processing. LOAD PART REPLACE will no longer physically delete these empty NPSI leaf pages
- UK50448 THIS PTF NOW CAUSES MSGDSNU071I IF LOAD STATEMENT CONTAINS COPYDDN (and/or RECOVERYDDN) FOLLOWS INTO TABLE, BUT NO PART REPLACE SPECIFIED
- UK50609 After applying this DB2 PTF, if the appropriate z/OS PTF is not applied, then CP query parallel tasks under stored procedures and UDFs may not be offloaded to zIIP.
- UK50772 the indexes in a list defined with the LISTDEF Utility statement may be in a different order than before.
- UK52472  
This PTF fixes a problem where a LPL/GRECP recovery was allowed against nonpartitioned indexes on partitioned table spaces when the indexes were in refresh-pending (REFP) status. message DSNI005I issued with type 00000201 and reason code 00C900CB where it was not being issued before.
- UK52508  
It changes the behavior of UNLOAD from an image copy to issue message MSGDSNU1239I when the version information for version 0 records is not available in the OBD or the image copy due to operations such as MODIFY RECOVERY which may delete the prime OBD (version 0) information
- UK53071 It affects users of the access control authorization exit when it is used with package authorization, routine authorization or dynamic statement aching. This change may cause some users who could access these resources to no longer be able to do so.
- UK53958 After applying this APAR/PTF, remote connections that access a DB2 server via SNA network protocols using inbound user ID translation may be rejected with message DSNL030I condition and reason code '00F30013' X or '00F30089' X.
- UK54374 REORG utility disallow a REORG REBALANCE SORTDATA NO to execute on a partitioned tablespace unless there is a clustering partitioning index defined. MSGDSNU076I

UK55717 This APAR/PTF changes the behavior of LOAD XML file reference variables to fail the LOAD and issue message MSGDSNU1100I, MSGDSNU310I, or MSGDSNU334I when the member or file for the file reference variable is empty instead of marking the XML as NULL.

UK48821 The fix changes the RECOVER utility to not consider SYSTEM-LEVEL BACKUPS(SLB) for a recovery base if it is run as a stored procedure. An alternate recovery base must be available.

PTFs that provide improvements, new function, message, etc.

PTF No.	Hold Action Abstract
UK42091	A 'LOCAL' keyword is added to the -CANCEL THREAD command. RRS applications will be authorized to cancel threads which have the same home address space as the application.
UK41355	new function externalize a compression dictionary created in DB2COMM as an object module, it requires changes to the external interface of
UK42482	issue an new eventual action message DSNJ032E along with DSNJ032I when DB2 approaches the end of the log RBA range.
UK42715	ALTER TABLE ALTER COLUMN will be enhanced to support dropping default values. Document updated.
UK42838	DB2 will now select a larger DSSIZE for implicitly created XML PBR table spaces . ALTER TABLE ADD PARTITION on a base table containing an XML column will now be allowed and the new partition on the base table space will inherit the previous logical partition's attributes. ALTER TABLESPACE MAXPARTITIONS on XML partition-by-growth table spaces will now be allowed.
UK44300	The Display DDF command report is being enhanced. Existing messages are being changed and new messages are being added.
UK46417	In DXR179I, a new line for trace type "RLE" is shown now along with other internal IRLM trace types.
UK46839	DGTTs enhancement
UK51035	New "Recovery Complete" message (DSNI049I) will indicate that all pageset recoveries under that recovery function ID have been completed.
UK51104	For BACKUP SYSTEM FULL, increase the accuracy of the DATA COMPLETE LRSN. Add the DATA COMPLETE LRSN value to msgDSNU1614I (BACKUP SYSTEM UTILITY COMPLETED SUCCESSFULLY).
UK51345	utility syntax will support a concatenation operator.
UK51448	DB2 has been changed to maintain DDF related (RLE) knowledge for "pending indoubt" threads.
UK52414	provides COPY and RECOVER utility support for UK52416
UK52416	Provides the ability to make certain schema changes to a compressed index without marking the index REBUILD-pending.
UK52598	If a DB2 member tries to DISPLAY an object and is not the castout owner of the object, it will take advantage of the -THRU option when different partitions of the object have the same USERID. Also, if a user uses different parts of the same object on different members, the displayed output will show the MEMBER NAME for the different members.

PTFs that provide new ZPARAM or default values

PTF No.	Hold Action Abstract
UK41370	New ZPARAM UTIL_TEMP_STORCLAS for CHECK INDEX/DATA/LOB SHRLEVEL CHANGE(online check) allocate a shadow data set in the same storage class as the production page set.
UK44898	New DB2 subsystem parameter, RANDOMATT, that indicates whether to include or exclude a DB2 data sharing member from randomized group attachment
UK49855	Extends ZPARAM ABIND=COEXIST behavior to include data-sharing systems.
UK50412	It converts hidden DSNZPARAM SPRMRRF to an opaque,online-changeable DSNZPARAM called RRF, provides additional support for BRP and RRF
UK50932	New ZPARAM REORG_IGNORE_FREESPACE, which specifies whether the REORG TABLESPACE utility should ignore the PCTFREE and FREEPAGE values when reloading data rows into PBG table space in some circumstances.
UK50987	New ZPARAM COMPRESS_SPT01, for enabling and disabling compression of the DB2 SPT01 table space
UK51679	New ZPARAM PRIVATE_PROTOCOL provided so that the private protocol capabilities can be enabled or disabled
UK54508	New ZPARAM DRDA_RESOLVE_ALIAS for optionally enabling use of resolving aliases during DRDA protocol communications with remote DRDA servers
UK54508	UK54508 superseded UK51283, which modifies the default setting of the DB2 subsystem parameter OPTIXOPREF from OFF to ON
UK56046	New ZPARAM WFDBSEP, for specifying whether DB2 should provide an unconditional separation of table spaces in the Workfile database based on their allocation attributes
UK48058	New ZPARAM COMCRIT allows you to activate the Common Criteria environment.
UK51091	New ZPARAM OPTHYBCST, to enable the enhancement in hybrid join costing to increase the cost of hybrid join SORTN_JOIN=NO with high duplicates in the outer table on v9.
UK44120	New ZPARAM EN_PJSJ, for enabling and disabling pairwise starjoin.
UK49930	New ZPARAM OPTJBPL, for controlling whether DB2 should consider the data skew of the column referred to by local predicates on the inner table when estimating the reduced I/O cost as a result of buffer pool caching.
UK45627	New ZPARAM OPTOFNRE. corrects a problem that an inefficient access path can be chosen when the query has "OPTIMIZE FOR n ROWS" or "FETCH FIRST n ROWS ONLY" specified and the inner table has an index to cover the join columns.
UK44120	It supersedes UK42565, which change parameter OPTIOWGT default from DISABLE to ENABLE
UK49946	New ZPARAM OPTOIRCPF, to enable an enhancement in index costing.



## Other PTFs

PTF No.	Hold Action Abstract
UK44463	This PTF modifies DSNESP01, the main ISPF panel for SPUFI, in the SDSNPFPE target library. If you keep the SPUFI panels in a different library then after applying this PTF, you need to copy the updated DSNESP01 to that library.
UK44316	User intend to run future versions with Version 8 or 9 early code. an IPL or REFRESH DB2,EARLY is required.
UK55938	Examine CACHEPAC, CACHERAC, and CACHEDYN values in ZPARM, if subsystem has enabled caching then any application which changes the primary authorization ID to an ID which is expected to match the owner of the object, must authorize that ID to the object, as the primary authorization ID may no longer have access to the object based on the ownership of the object.
UK41817	It correctly sets the SQLCODE/SQLSTATE and diagnostic work area on successful completion of a handler.
UK41932	the value for field QW03370B will contain either PAGESET ID or Table OBID.
UK41942	It corrects incorrect value set in SYSCOLUMNS.TYPESCHEMA for XML columns. Review the APAR text for how to identify and correct the incorrect entries in SYSCOLUMNS.TYPESCHEMA.
UK49118	After application of this PTF, the external security system must be updated to use the base table information provided for view authorization. The RACF access control module has been updated for this purpose by apar PK75583. If you are using the RACF access control module, apply PK75583 before this view authorization will be effective.
UK51636	This PTF supersedes UK49713, which fixes an error in CATMAINT UPDATE SCHEMA SWITCH that caused corruption in DBDs. User can run REPAIR DBD utility to correct the corrupted DBDs.
UK52356	Restart the DB2 scheduler for administrative tasks
UK54543	When MODIFY RECOVERY utility inserts a SYSCOPY record with ICTYPE = 'M' and STYPE = 'R', if no SYSLGRNX records were deleted by the job this will be indicated in the SYSCOPY record by TTYPE = 'N'.
UK56306	It adds a new part called DSNTIJPA to DB2 Version 9.1 for z/OS. Use DSNTIJPA to evaluate your DB2 V9 system and identify potential problems that need to be corrected before you can migrate to DB2 Version 10 for z/OS

PTFs that require REBIND of affected plans and packages

PTF No.

UK36119  
UK37604  
UK37972  
UK38158  
UK38627  
UK38677  
UK38709  
UK38711  
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UK41681  
UK41717  
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UK40156

Until the fixes are active in both the utility batch and DB2 DBM1 address spaces, the problem that the following PTFs address will not be resolved

PTF No.

UK40356  
UK42189  
UK42830  
UK44834  
UK46328  
UK47503  
UK48725  
UK49277  
UK49710  
UK50925  
UK53121  
UK54496  
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UK55470