

JRH DB2I2 for DB2/OS390 & zOS Maintenance Change Log
***Maintenance log is organized in Descending change sequence**

Date	DB2I2 Command	Module Changes	Description
5/21/2008	DSNJU004	P002100	Skip IDD and IDSN check.
5/12/2008	RXDB2I2	P006900, @RXDB2I2	Add DDNAME= option on LINEOBJ line to allow multiple LINEOBJ and END_LINEOBJ blocks to be used for RXDB2I2 Example, LINEOBJ DDNAME=DD1 DB ABCD END_LINEOBJ LINEOBJ DDNAME=DD2 ... END_LINEOBJ
5/6/2008	EXPLAIN, EXPLAINP	P002900	Fix remote package problem when DET=Y, O, or S (missing statement)
5/6/2008	Drill down	P000100	Fix remote package drill down problem (missing statement)
5/6/2008	SETRBA	P004500, P004502, @SETRBA	Add +n or -n option to SETRBA to set incore or restorebefore rba to select RBA + or - n. Where n is a integer number
5/4/2008	REPAIR,REORG,RECOVER, REBUILD,MODIFY, DCLGEN,CPY2CPY,CHECK, UNLOAD,REPORT,LOAD, LISTDEF,COPY	P000900,P001500,P004560, P006600 @RUNSTAT,@REPAIR,@REORG, @RECOVER,@REBUILD,@MODIFY, @DCLGEN,@CPY2CPY,@CHECK, @UNLOAD,@REPORT,@LOAD, @LISTDEF,@COPY	Add PARMUTIL=parmutil.dsn option to clearly define PARMUTIL information The old format without PARMUTIL= is still compatible and valid to use.
5/4/2008	PARMUTIL	P004600,@PARMUTI	Add ODSN= so it is consistent with the other command PARMUTIL utilid ODSN=parmutil.output.dsn The old format without ODSN= is still compatible and valid to use.
4/22/2008	RXDB2I2	P006900, DB2I2REX and all Db2i2 interfaces	RXDB2I2 DB2I2 REXX Extender is a PRICED ADDON to DB2I2. It allows you <ul style="list-style-type: none"> • To process your REXX exec directly from your ISPF Edit session within DB2I2. • To process DB2I2 commands directly from you REXX exec thru DB2I2REX interface • Stream line process in both ONLINE and BATCH process. Example below issues the RXDB2I2 against the following lines which will then process RBA, RECOVER and REBUILD DB2I2 commands one after another. REXX

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			<pre> exec statement can be used directly thru selected lines. The last line is a REXX Say!! LINEOBJ TS MYDB.MYTS END_LINEOBJ db2i2rex "rba idd=db2i2rxl" db2i2rex "recover idd=db2i2rxl pu(rcvrrbaa) odsn=t3" db2i2rex "rebuild pu(rbldall)", "idd=db2i2rxl odsn=t3 append step#=10", "jobcard=n template=tmp(rb)" Say "It is all done in one place - RXDB2I2 !!!". </pre>
4/20/2008	REPORT	P000710	On REPORT recover to RBA, Issue delete to delete the output dataset if no objects qualify to be recovered.
4/20/2008	FGET	FGET	Add &hostvar=hostvar-value support to the FGET edit macro to allow host variable substitution.
4/18/2008	EXPLAIN	P002900	Use \$ Q=qualifier from PG or DM drilldown as default qualifier for the default table qualifier
4/18/2008	Drill Down	P000100	Add \$ Q=qualifier on the PG and DM drill down
4/16/2008	RBA	P000720	Support wild card for the line object
9/28/2007	DDL, MIGR	P001600	Add PARAMETER VARCHAR for C procedure or function
9/20/2007	DDL, MIGR	P001600	Fix Secqty -4 problem Fix Default value for X, G and UX
8/8/2007	Drill down, EXPLAINP	P000100, p002900	Fix Unicode problem on sql & hostvar display
7/11/2007	DDL, MIGR	P001600, @DDL, @MIGR	Add OBID option to generate OBID option on CREATE TABLE DDL Fix longer column name problem
7/10/2007	LISTC	P004700, @LISTC	Add VOLSER=# option to list all volser is numeric dataset. Use VOLSER=volser option to list only from specific volser
6/28/2007	ED	S000004, @ED	For performance improvement: Add LOAD option to load a file into cache so that they can be INSERTED with INSERT CACHE option.
6/28/2007	Drill Down	P000100	Add space info for drill down command from DS line object
6/19/2007	SELPATHU	P007000	Fix SYSCOLSTATS INSERT/UPDATE error
6/19/2007	DDL, MIGR	P001600	Fix ENDING AT missing () problem Fix missing PARTITIONED for clustering index
5/8/2007	UNLOAD	\$UNLOAD3	Fix UNLOAD HEADER NONE option problem.

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4/30/2007	DDL, MIGR	P001600	Fix AS SECURITY LABEL problem when generate DDL with DDL or MIGR command
3/27/2007	DSNTIAD, DSNTDP2	P002200, #HELP	Create separate output file: For DSNTIAD - tsoid.DB2I2.DSNTIAD.OUTPUT DSNTDP2 - tsoid.DB2I2.DSNTDP2.OUTPUT To avoid lrecl conflict for these 2 commands
3/27/2007	REORG, CHECK, REBUILD, RECOVER, DSCOPY	P002000, P000900, #HELP	Add a new command option DFLTSP=(pri,sec) to assign default primary and secondary quantity in cylinder for the object which does not have RUNSTATS information.
3/27/2007	Most commands	Most modules	Enhance WKSP global command option from WKSP=pri to WKSP=(type,pri,sec,dir) where type C-cylinder T-track and pri,sec and dir all need to be numeric. The default has also been changed from WKSP=(c,1,1,2) to WKSP=(t,1,1,2)
3/16/2007	DSCOPY	P002000, @DSCOPY	Add CONT=Y option to allow continue process the rest of the SC or XC line objects if there are any difference between source and destination object
3/5/2007	DSNTDP2	P002200	Fix Lrecl problem (change from 121 to 133)
2/5/2007	PG, TR	P004300	Fix problem for PG and TR command which is greater than 50 bytes long
1/25/2007	Drill down	P000100	Fix problem for drilling down with SQL Procedure generated from Store Procedure Builder.
1/25/2007	DDL, MIGR	P001600	Fix problem for generating DDL with SQL Procedure generated from Store Procedure Builder.
1/21/2007	ExaplinP	P002900	Fix the problem for EXPALINP output with compatibility mode with DET=S, DET=O or HOSTVAR option with unreadable statement.
1/21/2007	Drill down	P000100	Fix the problem for PG drill down on compatibility mode for DB2 V8, unnecessary Unicode translation causing unreadable statement displayed.
1/15/2007	DDL, MIGR	P001600	Fix bug for DDL and MIGR command for a temp DB does not display AS TEMP and clustering index problem for indexed partition table
1/9/2007	? or HELP	P000100	? &glbvar to display global variable information ? & display all global variables information ? &abc% display all global variable prefix with &abc
1/9/2007	RUN	P006700, @RUN	Add TRUNC, EDIT and DURATION command options TRUNC=Y allows to truncate the result

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			EDIT=Y allows you to edit the result DURATION=Y generates before and after timestamp and the duration of the run. Good for bench SQL preformance
11/21/2006	VIEWG	P007100	Support single or wildcard global variable display Viewg &abc% or Viewg abcd
11/21/2006	SETG	P007100	Valid check for Global Variable For example, &CP & &CPP can not be all defined
11/16/2006	DSCOPY	P002000, @DSCOPY	Add MACRO option to allow automatic ED with preset ED Macros
11/16/2006	DSADJ	P001900, @DSADJ	Add MACRO option to allow automatic ED with preset ED Macros
11/14/2006	ALTER	P000300, P000302, \$ALTERUT	ALTER has been enhanced to add the support for generate ALTER UTILITY REORG skeleton against the output of a DISPLAY UTILITY EDIT=Y The line selected should have the following format: UTILID = utility-id
11/14/2006	TERM	P001800, @TERM, #HELP, DB2I2OLN, P003600	A new command TERM is added to issue TERM UTILITY against a line from DISPLAY UTILITY EDIT=Y The line selected should have the following format: UTILID = utility-id
11/14/2006	CANCEL THREAD CANCEL DDF THREAD	P001800, @CANCEL, #HELP, Db2I2OLN, P003600.	2 new command CANCEL THREAD and CANCEL DDF THREAD are added which allows you to issue these command directly from DISPLAY THREAD EDIT=Y output The last field on the selected line should be the Numeric Token to be Cancelled.
11/9/2006	BATCH Default global variables support	P000500, DB2I2STA, \$BATCH, \$BATCH2, \$BATCH2P, \$BATCH3P	Define your default set of global variable in 'tsoid.DB2I2.GLOBAL.VARIABLE' When you startup DB2I2, these global variables will be automatically load into your session. When issue BATCH command, SETG IDSN='tsoid.DB2I2.GLOBAL.VARIABLE' will be Added as the first command.
11/9/2006	EXPLAINP	P002900	Add DET=S option to return qualified SQL statement without DB2 statistics
11/9/2006	EXPLAIN	P002900	Add support to take input directly from drill down with NOSTATS option. Add EDIT=Y option to edit the output from EXPLAIN instead of browse it.
11/2/2006	MIGR,DDL	P001600	Fix NOT ENFORCED referential integrity bug for V8

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10/28/2006	EXPLORE	P003000, P003600, P003700,DB2I2BAT, DB2I2OLN, #HELP, @HELPPG, @EXPLORE	EXPLORE is a PRICED ADDON to DB2I2. It performs the following 2 functions: <ul style="list-style-type: none"> • Check to see if DB2 package requires a REBIND and Generate DB2 REBIND commands. • Specify a combination of criteria and service unit combination, EXPLORE returns a list of all SQL statements which match your specified combination. The criteria CRIT can be combination of the following: <ol style="list-style-type: none"> 1. R - table space scan 2. IO- Index Match column 0 3. L - List Pre-fetch 4. MJ- Merge Scan Join 5. HJ- Hybrid Join 6. M - Multiple Index Access 7. SO- Sort For Example, CRIT=R,IO,L COND=OR SU=20 Returns all SQL statement with either Table Space Scan, Index Match Column 0, List Pre-Fetch OR service unit is greater than 20.
9/19/2006	Drill down	DB2I2OLN, DB2I2BAT, P000100	Add NOSTATS option for PG and DM line object to disable display of statistics information. The output of drill down can be used as input to EXPLAIN directly without modification.
8/27/2006	EXPLAINP	P002900	Fix trigger package EXPLAINP with DET=Y
8/27/2006	Drill down	P000100	Fix trigger package drill down for v8
3/6/2006	ED	S000004	Allow lower case insert, delete...
2/20/2006	DSCOPY	P002000	Add NOSTOP to disable STOP DB for both source and target objects.
1/5/2006	DSDF	P000800	Add DDNAME option to SDSF command
7/26/2005	Db2i2 v8		
2/23/2005	STATS	P006100, @STATS	Add OPTION=ALL REORGTSIX REORGTPIP to allow return ALL statistics (default) or REORGTSIX line object in TS or IX requires REORG REORGTPIP line object in TP or IP requires REORG
2/23/2005	DSADJ	P001900, @DSADJ	Add OVRD command option to allow specify reorg override table. A SQL INSERT is added after ALTER DDL to insert an entry to the reorg override table to force a REORG.

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2/23/2005	REORG	P000900, @REORG	Add OVRD command option to allow you to specify reorg override table with RCHK option. There is also a DELETE SQL step after the REORG to delete the line object entry from reorg override table. Add MAPING=online_reorg_maping_table_override to the end of the selected line object to override the online reorg maping table. Fix some online reorg option bug: FASTSWITCH
2/23/2005	START,STOP,DISPLAY	P001800, @DISPLAY, @START, @STOP	Allow no line object option. For Example, DISPLAY DB(mydb) TSIX RESTRICT EDIT=Y Also add EDIT=Y command option to allow result return in EDIT mode.
2/23/2005	MIGR	P001600	Fix sql > 32760 problem for excessive AL,SY and VW
2/23/2005	All db2i2 commands		Support upper and lower case line object name for TB,AL,SY,VW,SH,FU,SP. These line object are case sensitive. All DB,TS,TP,SG,BP,PL,PG are automatically convert to upper case.
12/27/2004	MIGR, DDL	P001600	The following fields are generated with " around to support non-standard DDL. Example name uses ` `
			TBCREATOR, TBNAME, COLUMN NAME,IXCREATOR, IXNAME
12/16/2004	START, STOP, DISPLAY	P001800	All % and * usage interchangeable Example: START TS MYDB.MY% TS MYDB.MY*
12/1/2004	ED	CODEGENM, CODEGENJ, CODEGENS, CODEGENG, CODEGJOB, CODEGEN	CODEGEN ED macro to generate COBOL code for UPDATE or DELETE SQL with commit frequency option
11/29/2004	ED	P000740, S000004, @ED	Add PASS=Y option to allow the content of IDSN= or IDD= or S selected lines information to push down to your ED macro. The total number line objects push down is in rexx variable LNOBJ.0 and the actual line objects are stored in LNOBJ. Example, ED my.dsn macro(my.edmac) PASS=Y
11/12/2004	MIGR, DDL	P001600	Fix missing SY and AL problem
11/8/2004	ED	P000740, S000004, @ED, DB2I2	DELETE #1 #2 have been enhanced: #1 - * means delete from current line position #2 - * means delete all lines till end of the file

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			With 'your.pds(MEM*)' or 'your.pds(*)'
10/13/2004	MIGR	P001600	Fix VCAT problem for Indexspace during MIGR
10/7/2004	SDSF	P000800	Fix Spooling function
9/27/2004	EXPLAINP	P002900	When DET=Y or DET=O the same QUERYNO or TBNAME get print multiple times. This fix will only print once.
9/1/2004	SELPATHV,SELPATHU	P007000	Add length check for both input and output. If input or output does not have LRECL > 250, an error occurs.
9/1/2004	RUN	P006700, @RUN	Add EDIT=Y to allow edit mode after run in online mode. Default is EDIT=N browse mode. If the length of result of RUN command is greater than the output file. A error message is generated and error return code is issued in batch mode. Use TRUNC=Y to truncate the result to fit into output file size
8/31/2004	EXPLAIN, EXPLAINP	P002900	Add extra byte for ACCESSTYPE display on report
8/31/2004	VIEWG	P007100	Fix && problem
8/30/2004	DSCOPY	P002000, @DSCOPY	Add the following command options to DSCOPY ICOPY=Y - local primary ICOPY=LB- local backup ICOPY=RP- remote Primary ICOPY=RB- remote backup ICOPY=N - No image copy is used (vsam to vsam)
8/25/2004	PG	P004300, @PG	Add TR=N as command option to generate NO trigger package information. TR=Y is the default.
8/25/2004	MIGR, DDL, IMPACT	P001600, #MIGR	Add Trigger as optional migration selection. TR=N is the default, which does not generate Trigger information during MIGR, DDL. Use TR=Y if trigger information is desirable. For IMPACT, trigger is always generated.
8/20/2004	EXAPLINP	P002900	If PLAN_TABLE is more than 43 columns format, sort the output by BIND_TIME instead of TIMESTAMP
8/20/2004	DDL, MIGRE	P001600	For a VW line object, the SQLID generated has been changed to use CREATOR vs CREATEDBY column
8/17/2004	EXPLAINP	P002900, @EXPLAIP	Add line object PL, DM, PG support to allow EXPALINP to search for specific PL, DM or PG or any combination. PG and DM line also support STMT_NO. Ex. PG .coll.pgl 1234 DM pl1.dml 1234
7/30/2004	DSCOPY	P002000	Add TBNAME check and Number of Columns check. Both

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			TBNAME and number of columns must match between source and target TS.
7/19/2004	ED	S000004, @ED	Add SETG2 to set global variable to a rexx variable. This facility allows user to easily set a global variable. Ex. SETG2 &gl=myrxvar Add PREV option for CLINE to get the line before the current position line into rexx variable CLINE Ex. F first 'abcd' CLINE PREV
7/16/2004	Drill down	P000100	Add Browse and Edit dataset support for drill down If you issue drill down command without select the line and position your cursor in non-blank field, DB2I2 now give you new options to allow you to Edit or Browse the non-blank field (possible dataset name)
7/14/2004	ED	S000004, @ED	Add GETG get global ED command to set a rexx variable to a global variable. The rexx variable then cab be used to substitute in the subsequent INSERT. Ex. GETG myrxvar=&gl
7/7/2004	SELPATHV, SELPATHU	P007000	Add TABSTATS, INDEXSTATS and COLSTATS view and update capability
6/27/2004	SELPATHU	P007000	Fix problem for data with single quote for Update Sql
6/25/2004	DSCOPY	P002000	Add NOSTOPS and SORTKEYS option
6/21/2004	MIGR,DL	P001600	Fix multiple trigger problem for TB
2/24, 3/1 3/3/2004	IMPACT, MIGR,DDL	P001600	Misc. access Enhancement Fix a SY on a VW on an AL multiple level bug
2/23, 2/27 3/1/3004	AL, SY, VW	P000200	Misc. access enhancement Remove AL, SY, VW command for a DB line object Use IMPACT to get these information
2/23/2004	Drill down	P000100	Misc. access enhancement
2/16/2004	STATS, REORGCHK	P006100	For TP or IP, use clusterratio from SYSINDEXSTATS instead from SYSINDEXES S
2/13/2004	ED .. MACRO(*MYMENU)	MYMENU, MYMENUH, #MYMENU, MYMENUPL, MYMENUSK	New ED macro which allows customization of your own menu screen
2/11/2004	ED	P000740, S000004	Allows MACRO(*sysmacro) where *sysmacro are ED macro supplied by DB2I2. MYMENU is a new system macro provided support for MYMENU customization. 2 new rexx control variables: NEXTLINE - set the next execution line

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			ERROROFF='Y' turn off warning/error ED message output See MYMENU in ISPF LIB for example implemented used both of these rexx control variables.
2/9/2004	TAG	P004501	Add MYMENU support for TAG command
1/28/2004	SP, FU, MIGR	P001600, P004300	SYNTAX error
1/28/2004	REBIND	P000600	Rebind trigger package for PG
1/28/2004	Drill down	P000100	Support SH drill down
1/21/2004	ED	S000004	ED macro on INSERTB, INSERT and INSERTA support IDSN={rexx-var} This function allows dynamically insert different file depends on the value of a rexx-var
1/12/2004	ED	S000004	ED Macro allows { and } substitution {{ is converted to { }} is converted to { Ex. If you want the result to be {abc} The source needed to be coded with {{abc}}
1/2/2004	TSO	DB2I2LOG	Modify job tracking processing: //STEP000S . .your regular db2i2 job steps . //STEP999E .. COND=(8,GE) normal end process //STEP998A .. COND=(8,LT) error process //STEP999A .. COND=((8,LT),ONLY) abend process Note: comment out COND=(4,LT) from your JOBCARD
12/8/2003	TSO	TO72, @TSO	Compress and convert DB2I2 script to 72 bytes and the input script is longer than 72 bytes long or the SQL length is > 32760 bytes. Format: TSO TO72 indsn outdsn dlm The following lines will not be compressed: DB2CMD on the first 6 position of the line IDCAMS on the first 6 position of the line A blank line
10/28/2003	ED	NEWJOB	Add NEWJOB ed macro to add <NEWJOB> token to line object if the data between start-pos and end-pos change. Format: NEWJOB start-pos, end-pos
10/28/2003	IP	P004300, @IP, @HELPTP	Add IP command to TP line object
10/20/2003	RECOVER	P000700, P000900, @RECOVER	Add rebuild override to RECOVER on the TP line object

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			<p>Used for Partition TS only</p> <p>TP db.ts pt RBLDIX=N to override panel option to Disable index rebuild</p> <p>TP db.ts pt [RBLDIX=Y] this is the default option Which use panel option to Decide index rebuild</p> <p>REBUILD INDEX(ALL) TABLESPACE db.ts PART pt</p> <p>TP db.ts pt RBLDIX=A to override panel option to Build all indexes with full Size.</p> <p>REBUILD INDEX(ALL) TABLESPACE db.ts</p>
10/15/2003	RECOVER	P000700, P000900	Fix more than 256 objects for a single log apply recovery. (Additional JOB card was generated unnecessarily)
10/15/2003	CAPTBUFR, FCPY TSO command	CAPTBUFR, FCPY	Add UNIT(SYSALLDA) for the generated output file
10/15/2003	REPORT to RBA	\$REPORT\$	Increase &&TEMP file to hold report output from (TRK,(5,1),RLSE) to (CYL,(25,10),RLSE)
10/6/2003	REPORT	P000710	REPORT to RBA/LRSN have been modified to generate TP instead of TS line object. For Index with COPY YES, it also generates IP line objects.
9/30/2003	DDL, MIGR	P001600	Fix Duplicate Alias for DDL and MIGR
9/21/2003	ED	\$DB2I2P	Add ISPCTL0 to support batch submit within ED command Change ISPCTL1 and ISPWRK1 lrecl and dsorg
8/21/2003	EXPLAIN, EXPLAINP	P002900	Fix DET=Y option problem. When use DET=Y option, sometime the detail information is missing for displaying
8/15/2003	Drill down	P000100	Add statement number to PG and DM object to support drill down to a specific statement within a package or a DBRM. Format: PG location.collid.pgname.version stmt# DM planme.dbrmname stmt#
8/15/2003	EXEC	P002800	Fix delimiter problem when issue CONNECT TO location Missing a ; hex'5E' or a delimiter
7/25/2003	RUN	P006700	Add PDS support for ODSN Add logic to assign minimum LRECL= 80 when the required output LRECL is less than 80 bytes long Display truncation warning message if required LRECL is greater than the existing PDS LRECL
7/1/2003	ED	P000740, S000004	Display the content of the invoking ED macro

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6/17/2003	ED	S000004	<p>Add interface to allow ED macro to invoke DB2I2</p> <pre>ED xxxx MACRO(IDD=DD1) . //DD1 DD DATA,DLM=AA DB2I2 RUN IDD=SQLDD ODSN=01 AA //SQLDD DD DATA,DLM=BB SELECT * FROM SYSIBM.SYSTABLES WHERE CREATOR = '&CRE'</pre>
6/9/2003	TSO	TRANSFRM	<ul style="list-style-type: none"> • Add WHEN(coll:col2)='xxx' or WHEN(coll:col2)=X'xxxx' options to input and output definition • Change NULLIF to allow range check NULLIF(coll:col2)='xxx' or NULLIF(coll:col2)=X'xx'
6/4/2003	TSO	TRANSFRM	<p>TRANSFRM is a new TSO command which can be used to Transform the input data with input definition and output definition. You can use this to</p> <ol style="list-style-type: none"> 1. Generates SQL from a file 2. Extracts information from a file <p>Use IDEFDSN or IDEFDD to specify input definition:</p> <ul style="list-style-type: none"> ○ Varname POS(pos) TYPE(len) NULLIF(#)=?'' ○ TYPE can be <ul style="list-style-type: none"> ○ CHAR(len) ○ VARCHAR(len) ○ DATE ○ TIME ○ TIMESTAMP ○ SMALLINT ○ INTEGER ○ DEC(len,precision) ○ All information will be converted to external format <p>Use ODEFDSN or ODEFDD to specify output definition:</p> <ul style="list-style-type: none"> ○ Use {} and varname defined in the IDEFDSN or IDEFDD. For example {varname} <p>Use DATADSN or DATADD to specify input dataset</p> <p>Use ODSN to specify output dataset</p> <ul style="list-style-type: none"> ○ Use SAMPLE=# to specify only the first # record to be formatted ○ Use LRECL=# to specify the output file LRECL if the ODSN does not exist

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			<ul style="list-style-type: none"> ○ Use WKSP=# to specify the primary allocation in Cylinder for the ODSN if it does not exist ○ Use QUOTE option to add single quote to any output variable which is character format: CHAR, VARCHAR, DATE, TIME, TIMESTAMP except when the selected variable is a NULL. ○ Use COMMIT(,#,dlm) when you want to generate SQL output together with generating COMMIT for every # output records. Dlm is the delimiter if not specify a semicolon is used.
6/2/2003	DDL	P001600	Fix duplicate create index for multiple mixed line object with DDL command
5/28/2003	ED	POSTMIGR, @ED	Add a edit macro POSTMIGR to comment out the duplicate VIEW, ALIAS, SYBONYMS, BIND and GRANT from MIGR output. POSTMIGR only leaves the last occurrence of create, bind and grant command.
5/23/2003	MIGR, DDL	P001600	Fix duplicate WITH CHECK OPTION for VW line object
5/21/2003	PARMUTIL	DB2I2OLN, P004600, #REPORTP	Fix PARMUTIL field error
5/15/2003	RECOVER	P000700, P000900	For INCORE RBA recovery: Allocate last Full copy dataset By pass RBA Tag selection screen If no Full copy is available for recovery, ABEND only if LOGONLY is not selected
5/14/2003	ED	S000004, @ED	Fix SKIP # when in a LOOP process Add sample macro script POTRCVR - point of time recovery POTRCVRD - point of time recovery DASD POTRCVRT - point of time recovery tape TPTOSQL - translate TP line object to DELETE and INSERT SQL to keep track the Backup sequence information INSSKEL - INSERT SQL skeleton DELSKEL - DELETE SQL skeleton DDLCOPIYS - DDL to create COPY_SEQ_TABLE
5/7/2003	ED	S000004	For REXX command inside ED: Add LAST_RC REXX variable to store the return code of last command. Add SIGNAL FINISH to end of the current edit process Add SKIP # to skip commands if certain condition

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			raise.
5/2/2003	ED	S000004	CLINE NEXT set EOF = 'Y' if end of file reached Add LOOP EOF to support loop until EOF = 'Y' Add TOP, BOTTOM to position to first or last line of the edit file
4/24/2003	EXPLAIN	P002900	Support multiple statements directly from package or DBRM drill down. Add Q= qualifier option. Bypass header information from package and DBRM drill down.
4/23/2003	ED	S000004	Add LOOP, LOOP_END, CLINE, CLINE NEXT, CLINE WRITE, INSERT with IDD and IDSN, INSERT with REXX variable substitute, REXX single line of REXX exec
4/8/2003	ZPARM	P004503	Fix v6 ZPARM display
4/7/2003	Drill down	P000100	Change :H to : H when drill down from package or DBRM to support EXPLAIN
3/24/2003	DB2I2LOG	DB2I2LOG	Add wild card support DB2I2LOG my.jcl(aa*) DB2I2LOG 'my.jcl.*' DB2I2LOG 'my.*.jcl' Skip and give a warning message If job track step already exist
3/21/2003	FPUT	FPUT	Add Batch support for FPUT Add POS=* POS=**# POS=-# POS=# to specify the starting line no to be extracted Add NOREC=# to specify number of records to be extracted Add APPEND to allow the extracted information to be appended to an existing file
3/21/2003	RUN	P006700	Add DLM= option to specify output filed delimiter
3/10/2003	ZPARM	P004503	Add more V7 ZPARM macro variables
3/10/2003	ED	P000740	Add .* support foe multi-sequential file edit
1/17/2003	FGET, FPUT	FEGT, FPUT	Add FGET and FPUT two new edit macros.
12/09/2002	COPYSTAT, GENSCCMD, UNLDRELD		Modify COPYSTAT sample script and Add GENSCCMD - to help generating DSCOPY scripts UNLDRELD - to help generating UNLOAD and RELOAD scripts
12/09/2002	P004700	LISTC	Fix multi-volume dataset extent problem
12/9/2002	REORGCHK, STATS, EXPLAIN, EXPLAINP,	P002900, P007000, P006100	Use NEAROFFPOSF and FAROFFPOS instead of NEAROFFPOS and FAROFFPOS

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	SELPATHV		
11/17/2002	EXPLAINP	P002900	Enhance EXPLAINP to add HOSTVAR option to display host variable information.
10/28/2002	LISTC	P004700	Fix extent display problem
10/23/2002	TB	P000200	Add Aux table support
10/23/2002	LOAD, REORG	P000700,P000900,\$STAT	Fix INLINE STATS problem
10/23/2002	DSN1PRNT, DSN1COPY	P000700,P000900,\$DSN1PRT	Add DSSIZE and PIECESIZ option to support LOB and LARGE table space
10/23/2002	DSCOPY	P002000, \$DSN2CPY	Add DSSIZE and PIECESIZ option to support LOB and LARGE table space
10/23/2002	RUNSTATS	#RUNSTA7	Make FORCEROLLUP a optional field
10/23/2002	LOAD, REORG	#STAT7	Make FORCEROLLUP a optional field
10/1/2002	LISTC	P004700	Fix data error with SIZE option
9/23/2002	SELPATHU	P007000	Fix SELPATHU out of sync problem
8/28/2002	LISTC	P004700	Fix record type problem (always display as TRACK)
8/28/2002	EXPLAIN, EXPLAINP	P002900	Add display of COST_CATEGORY information. Add SU=service-unit-thread hold option to display only for those queries with service unit greater than the thread hold specified.
7/15/2002	HELP, HELPLO	DB2I2OLN, P000100, P003600,P003700	Change drill down command to Add ? to line object selection to display HELP information Add ? as command alias to HELP command
7/7/2002	DSADJ, GENVCAT	P001900	Change ALLOC= option to allow HIARBA and HIURBA option as primary allocation. ALLOC=(type,[HIARBA HIURBA pri-alloc],sec-alloc) Type, pri-alloc and sec-alloc are all optional
7/7/2002	LISTC	P004700	Add HIURBA and % usage to the LISTC report Add total allocation and used in cylinders to the report. Change the way to specify wild card for the DS line object.
6/26/2002	EXPLAIN, EXPLAINP	P002900	Enhance EXPLAIN to allow multiple SQL to be explained. If multiple SQL to be explained, QNO=# indicates the start query number for the explain output. Enhance EXPLAINP to allow specify a range of query no to be reported with QNO=#1-#2.

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6/24/2002	Various JCL related commands	P000700, P000900, P002000, P002100, P002400, P006600, P008300	Fixing missing JOBLIB problem. When generated multiple jobs from single command only the first job have JOBLIB DD card.
6/18/2002	PG	P004300	Pick all packages if object PL is bound with collid.*
5/24/2002	REORG, COPY, LOAD, RUNSTATS, RECOVER, REBUILD, CHECK, UNLOAD, CPY2CPY, LISTDEF	P000700, P000900, P006600, P004560	Add ODSN=out.dsname(*) to allow generated output save to multiple members of an output PDS. The jobname is used as PDS member name. New JOBNM command option can be used to override the jobname information from jobcard.
5/24/2002	REORG, COPY, LOAD, RUNSTATS, RECOVER, REBUILD, CHECK, UNLOAD, CPY2CPY	P000900, P006600	Allow LISTDEF=listdef.dsname(patt*) pattern wildcard to process multiple LISTDEF dataset member prefixed with patt.
5/5/2002	GENSC, GENXC	GENSC, GENXC	Add GENSC and GENXC User Defined Query to help to generate SC and XC line object for DSCOPY command
5/1/2002	LOAD	P000700, P000900	Add RESUME=YES line object options to allow RESUME(YES) override for LOAD
5/1/2002	REPORT RECOVERY	P000710	Modify IO routine to allow large REPORT RECOVERY process
5/1/2002	ED	S000004	Add INSERTB, INSERTA, DELETE edit macro to ED command
04/23/2002	CREATE, DISPLAY DB2 V7: CPY2CPY, LISTDEF, TEMPLATE, UNLOAD,	P000700, P000900, P002200, p003600, p004600, p006600	Add TSIX option for DISPLAY command to return TP or IP line object format. Fix COPY with IX objects. Enhance RECOVER command to support one RECOVER for all selected line objects.
12/03/2001	REORG	P000700, P004600 #FROMTBL, \$FROMTB	Expand REORG UNLOAD EXTERNAL and DISCARD with FROM TABLE selection from 8 lines to 20 lines
	MIGR, DDL	P001600	Fix missing IDENTITY column problem
11/25/2001	QUIESCE	P000700, @QUIESCE, \$QUIESC6, \$QUIESCW	Add WRITE=NO and TABLESPACESET command option to QUIESCE command
	COPY	P000700, P004600, #COPY6, \$COPY, \$COPY2, \$COPY46, \$LISTOPT, \$LISTDD	Add CHECKPAGE option to selection for COPY command. Add v7 early code.
11/15/2001	BATCH	DB2I2BAT, P000500, DB2I2ST2, \$JOB CARD	Add logic to check if line object selected is > 80 bytes. Add revision date to batch process.
11/12/2001	ED	P000740, @ED	ED enhancement Use * as wild card to edit a group of dataset of a group of members of a PDS dataset

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11/5/2001	LOAD	P000700, P004600 \$LOAD6, #LOAD6	Add IGNOREFIELDS to LOAD selection screen
11/1/2001	CHECK	P000700,P004600 \$CHECK0, \$CHECK6	Add LOG YES/NO option to CHECK DATA DELETE
10/24/2001	FREE	P003300	Add CURRENT option to FREE command to generate FREE command for most current version of selected packages
10/18/2001	FREE	P003300	For KEEP= option If TIMESTAMP = '0001-01-01-00.00.00.000000' use BINDTIME instead to decide which version to keep
10/15/2001	REORG	P000700	Fix REORG with inline stats problem
	PARMUTIL	P004600	
10/10/2001	DSN1PRNT	P000700	Fix V7 early code problem
	FU	P004300	Fix invalid column name SQL problem
	TR	P004300	Fix invalid column name SQL problem
	HELP	P003600	Add missing TR option to HELP command
10/10/2001	MIGR with partition	P001601	Fix V7 early code problem
			MIGR with Partition assistance and SNAPSHOT command can only be run in DB2I2 Batch mode
			Add Diagnose Assistance - Trace facility to help DB2I2 tech support team to easily resolve any DB2I2 problems.
08/28/2001	Drill down	P000100, DB2I2OLN, DB2I2BAT	Add HOSTVAR option for PG or DM drill down
	MIGR,DDL,DSADJ,drill down,	P001600, P001900, P000100	Fix SECQTYI display 0 problem for DB2 V6; If SECQTYI=0 then use SECQTY instead
	Drill down, all utility, DDL,MIGR, DSADJ, DSCOPY, LISTC, SNAPSHOT	P000100, P000700, P001600, P001601, P001900, P002000, P004700, P006800	Add early code for IPREFIX check for DB2 V7
	REORG	#REORG5, #REORG6	Fix problem with REORG SHRLEVEL REFERENCE AND CHANGE require copy information.
	REORG, LOAD	\$STAT	Fix COLUMN(ALL) screen option to allow blank enter for TABLE(ALL) option
07/05/2001	DSNTIAUL	P002400	Allows NEWJOB option
	GENURLD	GENURLD1	Allows DSPRE option for SYSREC and SYSPUNCH
07/05/2001	EXPLAIN, EXPLAINP	P002900	Add estimate time and service unit for DB2 V6
06/19/2001	REORGCHK	P006100, P003600, @REORGCH, DDLREORG	Add REORGCHK override option OVRD= to register db2 object to force a DB2 REORG.
06/05/2001	CONNECT(RESET)	P000001	Wrong error message displayed
06/05/2001	REVOKE	P006400	Internal SQL error

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	SPACEADJ	P007500	Fix over estimated space problem
05/24/2001	RUN	P006700	-INC host variable substitute
	GENURLD	GENURLD1, GENUNLDQ	Add GENUNLDQ UDQ to support TB line generation for DSNTIAUL
05/21/2001	LISTC	P004700	Wild card for catalog table space returns only first table space.
05/18/2001	DSADJ MOVE=Y	\$DSADJ	When MOVE=Y specified for DSADJ, DB2I2 generate DCB=BUFNO=30 instead of AMP='BUFND=30'
05/17/2001	BATCH ICMD=*GENURLD	GENURLD, GENURLD1,GENURLDE	Add UDF GENURLD to help to generate DSNTIAUL unload and LOAD jobs from selected TB lines
05/16/2001	All db2 utilities	DB2I2STA, P000001, S000001 \$CHECK,\$COPY,\$DSADJ, \$DSNTIAU,\$LOAD1,\$LOAD15, \$LOAD16,\$MODIFY,\$QUIESCE, \$REBUILD,\$RECOVER,\$REORG4, \$REORG5,\$REORG6,\$REPAIR, \$REPORT,\$RUNSTAT,\$STARTDB, \$STOPDB	Allow generate DB2 Utilities jobs remotely by using CONNECT(location) command. Changes @SSID to @SSIDO with some of the included members.
05/15/2001	BATCH	P000500	Add IDSN*= and ODSN*= as command option to use them as the IDSN and ODSN for the generated BATCH JCL
05/11/2001		\$DB2I2PF	Add \$DB2I2PF for ISPF Library. When migrate from previous release of DB2I2. You need manually copy this member and insert into your existing \$DB2I2P member.
05/10/2001	All DB2 utilities	P000700	Increase new ODSN PDS directory size
	TSO DR	\$DRJCL1	Add DSPRE= options to TSO DR command
05/08/2001	LOAD	P000700 @LOAD, \$LOAD1, \$LOAD15, \$LOAD16	Add OVERRIDE option for control card override
05/07/2001	DSNTIAUL, LOAD, REORG	P000700, P002400 @LOAD, @REORG, \$REORG5, \$REORG6, \$DSNTIAU, @DSNTIAU	Add SYSPUNCH= and SYSREC= to line object for DSNTIAUL and REORG UNLOAD EXTERNAL Add SYSIN= and SYSREC= to line object for LOAD
05/04/2001	EDIT	S000003	Fix EDIT allocation problem
05/02/2001	AUTH	P000400	Fix AUTH SQL problem for V6
05/01/2001	REORGCHK	DB2I2BAT	Fix condition code problem.
4/24/2001	ZPARM	P004503	Fix some v6 ZPARM problem.
04/23/2001	SDSF	P000800,P003600,P003700, DB2I2BAT,DB2I2OLN, #HELP,#HELPL0,@SDSF,@HELPL1	Add SDSF interface to help you identify problem jobs when you have multiple jobs generated and running in DB2I2 batch. See reference manual for detail.

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04/19/2001	drill down	P000100	Add global temporary table for TB drill down
	REORG	\$REORGC6	Make REORG threshold optional (RO34, RO35, RO36)
	N/A	DB2I2BAT,S000003,MCCLI, P000700,P001601,P002101, P002200,P002800,P004503, P006500,P008300	Change internal work file allocation for performance enhancement
04/19/2001	HELP	#HELP, FCPY,DB2I2LOG,DB2I2TRK, CAPTBUFR,READBUFR,TWAIT	Add HELP *UDF for UDF HELP and HELP *tsocmd for TSO Command HELP
	TSO JOBGEN	JOBGEN	Add TSO JOBGEN command to help you remove inline control parameters to prepare for production environment.
	N/A	\$DB2I2P	Add ISPCTL1 and ISPWRK1 to \$DB2I2P to support concurrent DB2I2 Batch jobs process from the same TSOID.
04/17/2001	all DB2 Utility, DSCOPY	P000700,P002000, \$CHECK,\$COPY,\$LOAD1, \$LOAD15,\$LOAD16,\$MODIFY, \$QUIESCE,\$REBUILD,\$RECOVER, \$REORGC4,\$REORGC5,\$REORGC6, \$REPAIR,\$REPORT,\$RUNSTAT	Change UID naming convention from object-name.utility-ID to JOBNAME.STEPNO
04/16/2001	DDL,MIGR	P001600	VCAT error with missing LISTC_GET_VALUE routine
04/05/2001	EXPLAIN,EXPLAINP	P002900	Change DET option: DET=0-default display statistics for question SQL Y-enable statistics display N-disable statistics display
03/19/2001	COPY	P000700	COPY with <NEWJOB> support multiple COPY jobs generation
03/11/2001	DSADJ	P001900, @DSADJ,\$DSADJ	DSADJ add MAXSZ override option
	GENVCAT	P001900	GENVCAT for IX, TS
03/11/2001	all DB2 utility	P000700	Fix Utility job generates 256 job steps problem
	SELPATHU	P007000	CARD vs CARDF for SELPATHU in SYSTABSTATS
02/19/2001	REORG,REBUILD,RECOVER	P000700, \$REORGC4,\$REORGC5,\$REORGC64	Fix long work file name for index object. Use index space name instead of index name