

BIND PARAMETERS IN DB2 12



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Option	Valid values	Plan	Pckg	Trigr	Qry
ACQUIRE	USE , ALLOCATE	X			
Whether to acquire resources specified in the DBRM at first access or allocation					
	REPLACE , ADD	X, B0	X, B0		
ACTION	REPLACE(RPLVER)		X, B0		
	REPLACE(RETAIN)	X,B0			
Whether object (plan or package) replaces an existing object with same name or is new					
ACOMPARE	NO , NONE , WARN, ERROR	X	X	X	
Determines whether the new access paths are different from the older access paths					
APPLCOMPAT	V10R1, V11R1		X	X	
Specifies the package compatibility level behavior for statis SQL					
APRETAINUP	YES , NO		R0	X	
Whether or not DB2 retains an old package copy when access paths of the old copy are identical to the incoming copy. Applies to PLANMGMT(BASIC) or PLANMGMT(EXTENDED)					
APREUSE	NO , NONE , ERROR, WARN		X	X	
Specifies whether DB2 tries to reuse previous access paths for SQL statements in a package					

APPREUSE SOURCE	<u>CURRENT</u> , PREVIOUS, ORIGINAL	R0	X
<i>Specifies whether DB2 tries to reuse previous access paths for SQL statements in a package</i>			
ARCHIVE SENSITIVE	<u>YES</u> , NO	X	X
<i>Whether references to archive-enabled tables are affected by SYSIBMADM.GET_ARCHIVE</i>			
BUSTIME SENSITIVE	<u>YES</u> , NO	X	X
<i>Whether references to application-period temporal tables are affected by CURRENT TEMPORAL BUSINESS_TIME special register</i>			
CACHESIZE	<u>Value of PLAN AUTH CACHE;</u> Decimal	X	
<i>Size (in bytes) of the authorization cache acquired in the EDM pool for the plan</i>			
COPY	Collection-id, package-id, COPYVER	X, B0	
<i>Determines that you are copying an existing package and names the package</i>			
CONCENTRATE STMT	<u>NO</u> , YES	X	
<i>Whether to enforce statement concentration at the package level</i>			
CONCURRENT ACCESS RESOLUTION	WAITFOROUTCOME USECURRENTLYCOMMITTED Default depends on SKIPUNCI setting	X X	X X
<i>Determines which concurrent access resolution option to use for statements in a package</i>			
CURRENTDATA	YES, <u>NO</u>	X	X X
<i>Whether to require data currency for R0 and ambiguous cursors when isolation level is CS</i>			
CURRENT SERVER	Location-name	X	
<i>Determines the location to connect to before running the plan</i>			
DBPROTOCOL	<u>DRDA</u> , DRDACBF (package only)	X	X
<i>Protocol to use when connecting to a remote site that is identified by a three-part name</i>			
DESCSTAT	NO, YES	X	X
<i>Whether DB2 builds a DESCRIBE SQL descriptor when binding statis SQL statements</i>			
DEFER	DEFER(PREPARE) <u>NODEFER</u> (PREPARE) DEFER(INHERITFROMPLAN)	X	X
<i>Whether to defer preparation of dynamic SQL statements that refer to remote objects or to prepare them immediately.</i>			
<i>DEFER(PREPARE) is assumed for REOPT(AUTO, ALWAYS and ONCE)</i>			
DEGREE	<u>1</u> , ANY	X	X
<i>Whether to attempt to run a query using parallel processing to maximise performance</i>			
DEPLOY	(collection-id.package-id), <u>COPYVER(version-id)</u>	X	
<i>Deploys a native SQL procedure</i>			

DISCONNECT	EXPLICIT , AUTOMATIC, CONDITIONAL	X			
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Determines which remote connections to destroy during commit operations

	RUN , BIND, DEFINEBIND(PKG ONLY), DEFINERUN(PKG ONLY), INVOKEBIND(PKG ONLY), INVOKERUN(PKG ONLY)	X	X		
DYNAMICRULES	DEFINEBIND, DEFINERUN, INVOKEBIND, INVOKE RUN			X	

Option	Valid values	Plan	Pckg	Trigr	Qry
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Determines which values apply at runtime for dynamic SQL attributes

ENABLE/	BATCH, CICS, DB2CALL, DLIBATCH, IMS, IMSBMP,	X	X		
DISABLE	IMSMPP, RRSF, <u>*</u>				
	REMOTE		X		

Determines which connections can use the plan or package

ENCODING	ASCII, EBCDIC, UNICODE, <i>ccsid</i>	X	X		
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Application encoding for all static statements in the plan or package (defaults to installed selection)

EXPLAIN	NO , YES, ONLY	X	X	X	
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Whether to populate the PLAN_TABLE with information about the SQL statements

EXTENDED INDICATOR	NO , YES		X		
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Determines if DB2 recognizes extended indicator variables when associated package is run

FILTER	'filter-name'				FQ
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Allows you to delete a set of queries in the SYSIBM.SYSQUERY table under a {tag} value specified by the SYSQUERY.USERFILTER column. Also works with FREE QUERY

FLAG	I , W, E, C	X	X	X	
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Determines what messages to display

GENERIC	'string'	X	X		
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Specifies one or more bind options that are supported by the target server, but are not supported by DB2 for z/OS as options for BIND PACKAGE or REBIND PACKAGE

GETACCEL ARCHIVE	NO , YES	X	X		
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Whether a static SQL query bound for acceleration retrieves archive data

IMMEDIATE	NO , YES, INHERITFROMPLAN	X	X		
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Whether immediate writes will be done for updates made to GBP-dependent page sets/partitions

ISOLATION	RR , RS, CS, UR, NC	X	X	X	
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Determines how far to isolate an application from the effects of other running applications

KEEPDYNAMIC	NO , YES	X	X		
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Determines whether DB2 keeps dynamic SQL statements after commit points

LIBRARY	<i>Dbrm-pds-name</i>		X, B0		
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Determines which partitioned data set to search for DBRMs listed in the member option

LOOKUP	NO , YES				BQ
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Determines whether a query has matching access plan hint information in the SYSIBM.SYSQUERYPLAN table

MEMBER	<i>Dbrm-member-name</i>			X, B0
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Determines what DBRMs to include in the package

OPTHINT	<i>Hint-id</i>	X		X
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Controls whether query optimization hints are used for static SQL

OPTIONS	COMPOSITE , COMMAND			X, BC
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Specifies which bind options to use for the new package

OWNER	<i>Authorization-id</i>	X		X
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Determines the authorization ID or the owner of the object (plan or package)

	<i>Location-name.collection-id.</i>			X
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PACKAGE	<i>package-id(version-id)</i>			
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	<i>(*) – Rebind Only</i>			X,R0
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Determines which package or packages to bind or rebind

PATH	<i>Schema-name, USER, (schema-name, (USER)...) </i>	X		X
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SQL path that DB2 uses to resolve unqualified UDTs, functions and stored procedure names

PATHDEFAULT	Mutually exclusive with PATH	X		X
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Resets PATH for package or plan to “SYSIBM”, “SYSFUN”, “SYSPROC”, or plan/package qualifier

PKLIST or NOPKLIST	<i>(Location-name.collection-id.package-id...)</i>	X		
	PKLIST only			

Determines which package to include for the package list in the plan

PROGAUTH	DISABLE , ENABLE	X		
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Whether DB2 performs authorization checking to determine whether DB2 can execute a plan

PLANMGMT	OFF , BASIC, EXTENDED		X	X
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Retains, during a rebind operation, all relevant package information (metadata, query text, dependencies, authorizations, access paths, and so on) in catalog tables and in the directory

QUALIFIER	<i>Qualifier-name</i>	X		X
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Determines the implicit qualifier for unqualified names of objects in the plan or package

QUERY ACCELERATION	NONE , ENABLE, ALL ENABLEWITHFALLBACK, ELIGIBLE	X		X
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Whether a static SQL query is bound for acceleration

QUERYID	‘number’ ALL				FQ
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Frees entries from SYSIBM.SYSQUERY with same value (or ALL), and corresponding entries in SYSIBM.SYSQUERYPLAN table or SYSIBM.SYSQUERYOPTS table

RECORD

TEMPORAL	YES , NO			X	
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HISTORY

Whether changes to data in a system-period temporal table that are made by static or dynamic SQL statements cause changes to corresponding history table of the system-period temporal table

RELEASE	COMMIT , DEALLOCATE, INHERITFROMPLAN	X	X	X	
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Determines when to release resources that the program uses, either at commit or at termination

REOPT	ONCE, ALWAYS, AUTO, NONE	X	X		
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If access path is determined at runtime (host variables, parameter markers, special registers)

ROUNDING	CEILING, DOWN, FLOOR HALFDOWN, HALFEVEN , HALFUP, UP	X	X
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Specifies the rounding mode at bind time

SQLERROR	NOPACKAGE , CONTINUE, CHECK		X
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Whether to create a package if the package contains an SQL error

SQLRULES	DB2 , STD	X	
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Whether a Type 2 connection can be made according to DB2 rules for an existing connection

SWITCH	PREVIOUS, ORIGINAL	X	X
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Restores all previous or original package information in the catalog tables and directory to that of the specified package copy

SYSTIME SENSITIVE	YES , NO	X	X
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Whether references to system-period temporal tables are affected by value of CURRENT TEMPORAL TEMPORAL SYSTEM_TIME

VALIDATE	RUN , BIND	X	X
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Whether to recheck at runtime 'not found' and 'not authorized' errors found at bind time

BO = BIND only, BC = BIND copy, RO = REBIND only, FQ = FREE QUERY, BQ = BIND QUERY

BOLD/UNDERSCORE = default

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