

BIND PARAMETERS IN DB2 12



Option	Valid values	Plan	Pckg	Trigr	Qry
ACQUIRE	<u>USE</u> , ALLOCATE	X			
Whether to acquire resources specified in the DBRM at first access or allocation					
	<u>REPLACE</u> , 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	<u>NO</u> , <u>NONE</u> , 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	<u>YES</u> , 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	<u>NO</u> , <u>NONE</u> , ERROR, WARN		X	X	
Specifies whether DB2 tries to reuse previous access paths for SQL statements in a package					
APPREUSE	<u>CURRENT</u> , PREVIOUS, ORIGINAL		R0	X	
SOURCE					

Specifies whether DB2 tries to reuse previous access paths for SQL statements in a package

ARCHIVE SENSITIVE	<u>YES</u> , NO	X	X
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Whether references to archive-enabled tables are affected by SYSIBMADM.GET_ARCHIVE

BUSTIME SENSITIVE	<u>YES</u> , NO	X	X
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Whether references to application-period temporal tables are affected by CURRENT TEMPORAL BUSINESS_TIME special register

CACHESIZE	<u>Value of PLAN AUTH CACHE;</u> Decimal	X	
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Size (in bytes) of the authorization cache acquired in the EDM pool for the plan

COPY	Collection-id, package-id, COPYVER	X, B0	
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Determines that you are copying an existing package and names the package

CONCENTRATE STMT	<u>NO</u> , YES	X	
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Whether to enforce statement concentration at the package level

CONCURRENT ACCESS	WAITFOROUTCOME USECURRENTLYCOMMITTED	X	X	X
RESOLUTION	Default depends on SKIPUNCI setting			

Determines which concurrent access resolution option to use for statements in a package

CURRENTDATA	YES, <u>NO</u>	X	X	X
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Whether to require data currency for R0 and ambiguous cursors when isolation level is CS

CURRENT SERVER	Location-name	X		
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Determines the location to connect to before running the plan

DBPROTOCOL	<u>DRDA</u> , DRDACBF (package only)	X	X	
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Protocol to use when connecting to a remote site that is identified by a three-part name

DESCSTAT	NO, YES	X	X	
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Whether DB2 builds a DESCRIBE SQL descriptor when binding statis SQL statements

DEFER	DEFER(PREPARE) <u>NODEFER</u> (PREPARE) DEFER(INHERITFROMPLAN)	X	X	
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Whether to defer preparation of dynamic SQL statements that refer to remote objects or to prepare them immediately.

DEFER(PREPARE) is assumed for REOPT(AUTO, ALWAYS and ONCE)

DEGREE	<u>1</u> , ANY	X	X	
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Whether to attempt to run a query using parallel processing to maximise performance

DEPLOY	(collection-id.package-id), <u>COPYVER(version-id)</u>	X		
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Deploys a native SQL procedure

DISCONNECT	<u>EXPLICIT</u> , AUTOMATIC, CONDITIONAL	X		
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Determines which remote connections to destroy during commit operations

DYNAMICRULES	<u>RUN</u> , BIND, DEFINEBIND(PKG ONLY), DEFINERUN(PKG ONLY), INVOKEBIND(PKG ONLY), INVOKERUN(PKG ONLY)	X	X		
	DEFINEBIND, DEFINERUN, INVOKEBIND, INVOKE RUN			X	
Option	Valid values	Plan	Pckg	Trigr	Qry
<i>Determines which values apply at runtime for dynamic SQL attributes</i>					
ENABLE/DISABLE	BATCH, CICS, DB2CALL, DLIBATCH, IMS, IMSBMP, IMSMPP, RRSAP, <u>*</u> REMOTE	X	X		
<i>Determines which connections can use the plan or package</i>					
ENCODING	ASCII, EBCDIC, UNICODE, <i>ccsid</i>	X	X		
<i>Application encoding for all static statements in the plan or package (defaults to installed selection)</i>					
EXPLAIN	NO , YES, ONLY	X	X	X	
<i>Whether to populate the PLAN_TABLE with information about the SQL statements</i>					
EXTENDED INDICATOR	<u>NO</u> , YES		X		
<i>Determines if DB2 recognizes extended indicator variables when associated package is run</i>					
FILTER	'filter-name'				FQ
<i>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</i>					
FLAG	<u>I</u> , W, E, C	X	X	X	
<i>Determines what messages to display</i>					
GENERIC	'string'	X	X		
<i>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</i>					
GETACCEL ARCHIVE	<u>NO</u> , YES	X	X		
<i>Whether a static SQL query bound for acceleration retrieves archive data</i>					
IMMEDIATE	<u>NO</u> , YES, INHERITFROMPLAN	X	X		
<i>Whether immediate writes will be done for updates made to GBP-dependent page sets/partitions</i>					
ISOLATION	<u>RR</u> , RS, CS, UR, NC	X	X	X	
<i>Determines how far to isolate an application from the effects of other running applications</i>					
KEEPDYNAMIC	<u>NO</u> , YES	X	X		
<i>Determines whether DB2 keeps dynamic SQL statements after commit points</i>					
LIBRARY	<i>Dbrm-pds-name</i>			X, B0	
<i>Determines which partitioned data set to search for DBRMs listed in the member option</i>					
LOOKUP	<u>NO</u> , YES				BQ
<i>Determines whether a query has matching access plan hint information in the SYSIBM.SYSQUERYPLAN table</i>					
MEMBER	<i>Dbrm-member-name</i>			X, B0	
<i>Determines what DBRMs to include in the package</i>					

OPTHINT	Hint-id	X	X		
Controls whether query optimization hints are used for static SQL					
OPTIONS	<u>COMPOSITE</u> , COMMAND		X, BC		
Specifies which bind options to use for the new package					
OWNER	Authorization-id	X	X		
Determines the authorization ID or the owner of the object (plan or package)					
	Location-name.collection-id.		X		
PACKAGE	package-id(version-id)				
	(*) – Rebind Only		X,R0		
Determines which package or packages to bind or rebind					
PATH	Schema-name, USER, (schema-name, (USER)...) X	X	X		
SQL path that DB2 uses to resolve unqualified UDTs, functions and stored procedure names					
PATHDEFAULT	Mutually exclusive with PATH	X	X		
Resets PATH for package or plan to “SYSIBM”, “SYSFUN”, “SYSPROC”, or plan/package qualifier					
PKLIST or NOPKLIST	(Location-name.collection-id.package-id...) PKLIST only	X			
Determines which package to include for the package list in the plan					
PROGAUTH	<u>DISABLE</u> , ENABLE	X			
Whether DB2 performs authorization checking to determine whether DB2 can execute a plan					
PLANMGMT	<u>OFF</u> , BASIC, EXTENDED		X	X	
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	Qualifier-name	X	X		
Determines the implicit qualifier for unqualified names of objects in the plan or package					
QUERY ACCELERATION	<u>NONE</u> , ENABLE, ALL ENABLEWITHFALLBACK, ELIGIBLE	X	X		
Option	Valid values	Plan	Pckg	Trigr	Qry
Whether a static SQL query is bound for acceleration					
QUERYID	<u>‘number’</u> ALL				FQ
Frees entries from SYSIBM.SYSQUERY with same value (or ALL), and corresponding entries in SYSIBM.SYSQUERYPLAN table or SYSIBM.SYSQUERYOPTS table					
RECORD					
TEMPORAL	<u>YES</u> , NO		X		
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	<u>COMMIT</u> , DEALLOCATE, INHERITFROMPLAN	X	X	X	
Determines when to release resources that the program uses, either at commit or at termination					
REOPT	ONCE, ALWAYS, AUTO, <u>NONE</u>	X	X		
If access path is determined at runtime (host variables, parameter markers, special registers)					
ROUNDING	CEILING, DOWN, FLOOR HALFDOWN, <u>HALFEVEN</u> , HALFUP, UP	X	X		

Specifies the rounding mode at bind time

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

SQLRULES	<u>DB2</u> , 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	<u>YES</u> , NO	X	X
SENSITIVE			

Whether references to system-period temporal tables are affected by value of CURRENT TEMPORAL TEMPORAL

SYSTEM_TIME

VALIDATE	<u>RUN</u> , 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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