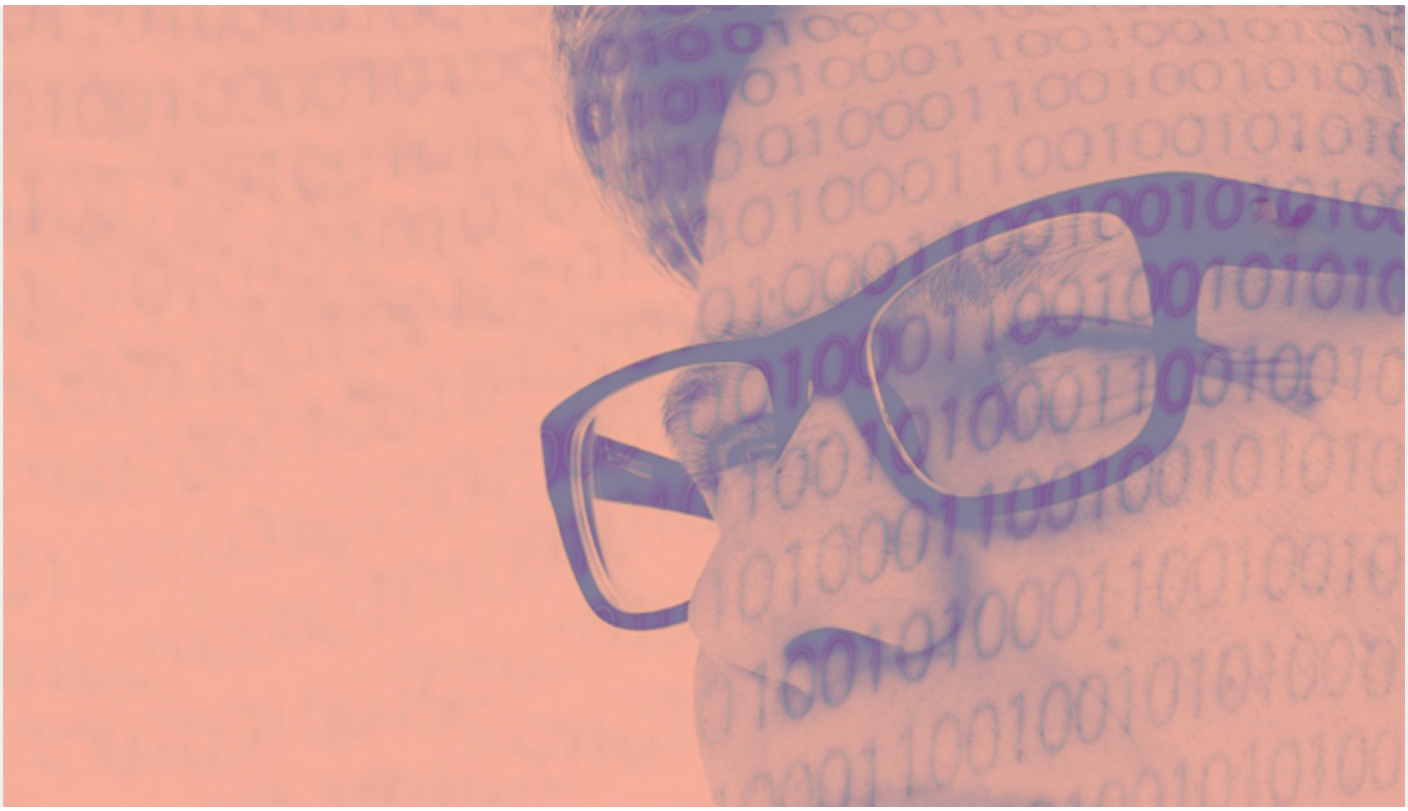
BIND PARAMETERS IN DB2 12



(This article is part of our Db2 Guide. Use the right-hand menu to navigate.)

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, BO	X, BO		
ACTION	REPLACE(RPLVER)		X, BO		
	REPLACE(RETAIN)	X,BO			
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		RO	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	**CURRENT,** PREVIOUS, ORIGINAL		RO	X

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

ARCHIVE SENSITIVE	**YES,** NO		X	X

Whether references to archive-enabled tables are affected by SYSIBMADM.GET_ARCHIVE

BUSTIME SENSITIVE	**YES,** NO		X	X

Whether references to application-period temporal tables are affected by CURRENT TEMPORAL BUSINESS_TIME special register

CACHESIZE	**Value of PLAN AUTH CACHE;** Decimal	X		

Size (in bytes) of the authorization cache acquired in the EDM pool for the plan

COPY	Collection-id, package-id, COPYVER		X, BO	

Determines that you are copying an existing package and names the package

CONCENTRATE STMT	**NO,** YES		X	

Whether to enforce statement concentration at the package level

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

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

CURRENTDATA	YES, **NO**	X	X	X

Whether to require data currency for RO and ambiguous cursors when isolation level is CS

CURRENT SERVER	Location-name	X		

Determines the location to connect to before running the plan

DBPROTOCOL	**DRDA**, DRDACBF (package only)	X	X	

Protocol to use when connecting to a remote site that is identified by a three-part name

DESCSTAT	NO, YES		X	X

Whether DB2 builds a DESCRIBE SQL descriptor when binding statis SQL statements

DEFER	DEFER(PREPARE) **NODEFER**(PREPARE) DEFER(INHERITFROMPLAN)	X	X	

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	**1,** ANY	X	X	

Whether to attempt to run a query using parallel processing to maximise performance

DEPLOY	*(collection-id.package-id),* **COPYVER(*version-id*)**		X	

Deploys a native SQL procedure

DISCONNECT	**EXPLICIT**, AUTOMATIC, CONDITIONAL	X			
Determines which remote connections to destroy during commit operations					
DYNAMICRULES	**RUN,** 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**
Determines which values apply at runtime for dynamic SQL attributes					
ENABLE/ DISABLE	BATCH, CICS, DB2CALL, DLIBATCH, IMS, IMSBMP, IMSMPP, RRSAF, *	X	X		
	REMOTE		X		
Determines which connections can use the plan or package					
ENCODING	ASCII, EBCDIC, UNICODE, *ccsid*	X	X		
Application encoding for all static statements in the plan or package (defaults to installed selection)					
EXPLAIN	**NO**, YES, ONLY	X	X	X	
Whether to populate the PLAN_TABLE with information about the SQL statements					
EXTENDED INDICATOR	**NO, YES**		X		
Determines if DB2 recognizes extended indicator variables when associated package is run					
FILTER	**'filter-name'**				FQ
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	
Determines what messages to display					
GENERIC	**'string'**	X	X		
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		
Whether a static SQL query bound for acceleration retrieves archive data					
IMMEDIATE	**NO,** YES, INHERITFROMPLAN	X	X		
Whether immediate writes will be done for updates made to GBP-dependent page sets/partitions					
ISOLATION	**RR,** RS, CS, UR, NC	X	X	X	
Determines how far to isolate an application from the effects of other running applications					
KEEPDYNAMIC	**NO,** YES	X	X		
Determines whether DB2 keeps dynamic SQL statements after commit points					
LIBRARY	*Dbrm-pds-name*		X, BO		
Determines which partitioned data set to search for DBRMs listed in the member option					
LOOKUP	**NO,** YES				BQ
Determines whether a query has matching access plan hint information in the SYSIBM.SYSQUERYPLAN table					

MEMBER	*Dbrm-member-name*		X, BO		
Determines what DBRMs to include in the package					
OPTHINT	*Hint-id*	X	X		
Controls whether query optimization hints are used for static SQL					
OPTIONS	**COMPOSITE,** 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)					
PACKAGE	*Location-name.collection-id.* *package-id(version-id)*		X		
	(*) – Rebind Only		X,RO		
Determines which package or packages to bind or rebind					
PATH	*Schema-name,* USER, (*schema-name,* (USER)…)	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	**DISABLE**, ENABLE	X			
Whether DB2 performs authorization checking to determine whether DB2 can execute a plan					
PLANMGMT	**OFF,** 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	**NONE,** ENABLE, ALL ENABLEWITHFALLBACK, ELIGIBLE	X	X		
Option	**Valid values**	**Plan**	**Pckg**	**Trigr**	**Qry**
Whether a static SQL query is bound for acceleration					
QUERYID	**‘number’** 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 HISTORY	**YES,** NO		X		
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	
Determines when to release resources that the program uses, either at commit or at termination					
REOPT	ONCE, ALWAYS, AUTO, **NONE**	X	X		

If access path is determined at runtime (host variables, parameter markers, special registers)

ROUNDING	CEILING, DOWN, FLOOR HALFDOWN, **HALFEVEN**, HALFUP, UP	X	X

Specifies the rounding mode at bind time

SQLERROR	**NOPACKAGE,** CONTINUE, CHECK		X

Whether to create a package if the package contains an SQL error

SQLRULES	**DB2**, STD	X	

Whether a Type 2 connection can bemade according to DB2 rules for an existing connection

SWITCH	PREVIOUS, ORIGINAL		X	X

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

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

VALIDATE	**RUN,** BIND	X	X	

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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