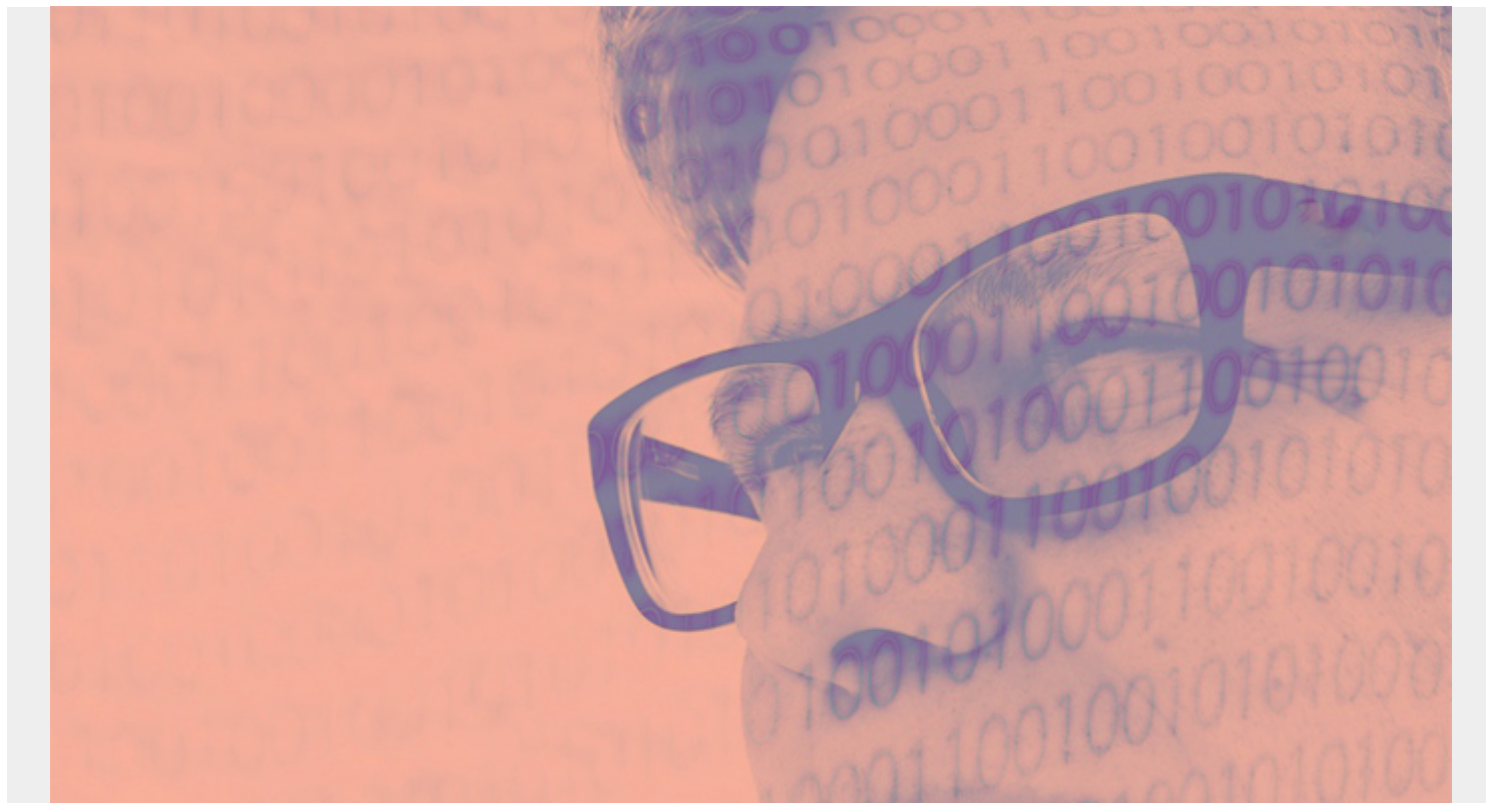


# BIND PARAMETERS IN DB2 12



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

Option	Valid values	Plan	Pckg	Trigr	Qry
ACQUIRE	<b>USE</b> , ALLOCATE	X			
<i>Whether to acquire resources specified in the DBRM at first access or allocation</i>					
	<b>REPLACE</b> , ADD	X, B0	X, B0		
ACTION	REPLACE(RPLVER)		X, B0		
	REPLACE(RETAIN)	X, B0			
<i>Whether object (plan or package) replaces an existing object with same name or is new</i>					
ACOMPARE	<b>NO</b> , <b>NONE</b> , WARN, ERROR	X	X	X	
<i>Determines whether the new access paths are different from the older access paths</i>					
APPLCOMPAT	V10R1, V11R1		X	X	
<i>Specifies the package compatibility level behavior for statis SQL</i>					
APRETAINUP	<b>YES</b> , NO		R0	X	
<i>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)</i>					
APREUSE	<b>NO</b> , <b>NONE</b> , ERROR, WARN		X	X	
<i>Specifies whether DB2 tries to reuse previous access paths for SQL statements in a package</i>					

APPREUSE	<b>CURRENT</b> , PREVIOUS, ORIGINAL		R0	X
SOURCE				

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

ARCHIVE SENSITIVE	<b>YES</b> , NO		X	X
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*Whether references to archive-enabled tables are affected by SYSIBMADM.GET\_ARCHIVE*

BUSTIME	<b>YES</b> , NO		X	X
SENSITIVE				

*Whether references to application-period temporal tables are affected by CURRENT TEMPORAL BUSINESS\_TIME special register*

CACHESIZE	<b>Value of PLAN AUTH CACHE;</b> 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	<b>NO</b> , YES		X	
STMT				

*Whether to enforce statement concentration at the package level*

CONCURRENT	WAITFOROUTCOME			
ACCESS	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, <b>NO</b>	X	X	X
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*Whether to require data currency for R0 and ambiguous cursors when isolation level is CS*

CURRENT	Location-name		X	
SERVER				

*Determines the location to connect to before running the plan*

DBPROTOCOL	<b>DRDA</b> , 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)			
	<b>NODEFER</b> (PREPARE)	X	X	
	DEFER(INHERITFROMPLAN)			

*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	<b>1</b> , 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), <b>COPYVER(version-id)</b>		X	
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*Deploys a native SQL procedure*

DISCONNECT	<b>EXPLICIT</b> , AUTOMATIC, CONDITIONAL	X			
<i>Determines which remote connections to destroy during commit operations</i>					
	<b>RUN</b> , BIND, DEFINEBIND(PKG ONLY), DEFINERUN(PKG ONLY), INVOKEBIND(PKG ONLY), INVOKERUN(PKG ONLY)	X	X		
DYNAMICRULES	DEFINEBIND, DEFINERUN, INVOKEBIND, INVOKE RUN			X	
<b>Option</b>	<b>Valid values</b>	<b>Plan</b>	<b>Pckg</b>	<b>Trigr</b>	<b>Qry</b>
<i>Determines which values apply at runtime for dynamic SQL attributes</i>					
ENABLE/ DISABLE	BATCH, CICS, DB2CALL, DLIBATCH, IMS, IMSBMP, IMSMPP, RRSAB, * 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	<b>NO</b> , YES, ONLY	X	X	X	
<i>Whether to populate the PLAN_TABLE with information about the SQL statements</i>					
EXTENDED INDICATOR	<b>NO</b> , <b>YES</b>		X		
<i>Determines if DB2 recognizes extended indicator variables when associated package is run</i>					
FILTER	<b>'filter-name'</b>				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	<b>I</b> , W, E, C	X	X	X	
<i>Determines what messages to display</i>					
GENERIC	<b>'string'</b>	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	<b>NO</b> , YES	X	X		
<i>Whether a static SQL query bound for acceleration retrieves archive data</i>					
IMMEDIATE	<b>NO</b> , YES, INHERITFROMPLAN	X	X		
<i>Whether immediate writes will be done for updates made to GBP-dependent page sets/partitions</i>					
ISOLATION	<b>RR</b> , RS, CS, UR, NC	X	X	X	
<i>Determines how far to isolate an application from the effects of other running applications</i>					
KEEPDYNAMIC	<b>NO</b> , 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	<b>NO</b> , 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	<i>Hint-id</i>		X					X
<i>Controls whether query optimization hints are used for static SQL</i>								
OPTIONS	<b>COMPOSITE</b> , COMMAND							X, BC
<i>Specifies which bind options to use for the new package</i>								
OWNER	<i>Authorization-id</i>		X					X
<i>Determines the authorization ID or the owner of the object (plan or package)</i>								
	<i>Location-name.collection-id.</i>							X
PACKAGE	<i>package-id(version-id)</i>							X
	(*) – Rebind Only							X,R0
<i>Determines which package or packages to bind or rebind</i>								
PATH	<i>Schema-name, USER, (schema-name, (USER)...) </i>		X					X
<i>SQL path that DB2 uses to resolve unqualified UDTs, functions and stored procedure names</i>								
PATHDEFAULT	Mutually exclusive with PATH		X					X
<i>Resets PATH for package or plan to "SYSIBM", "SYSFUN", "SYSPROC", or plan/package qualifier</i>								
PKLIST or NOPKLIST	( <i>Location-name.collection-id.package-id...</i> ) PKLIST only		X					
<i>Determines which package to include for the package list in the plan</i>								
PROGAUTH	<b>DISABLE</b> , ENABLE		X					
<i>Whether DB2 performs authorization checking to determine whether DB2 can execute a plan</i>								
PLANMGMT	<b>OFF</b> , BASIC, EXTENDED						X	X
<i>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</i>								
QUALIFIER	<i>Qualifier-name</i>		X					X
<i>Determines the implicit qualifier for unqualified names of objects in the plan or package</i>								
QUERY ACCELERATION	<b>NONE</b> , ENABLE, ALL ENABLEWITHFALLBACK, ELIGIBLE		X					X
<b>Option</b>	<b>Valid values</b>		<b>Plan</b>		<b>Pckg</b>		<b>Trigr</b>	<b>Qry</b>
<i>Whether a static SQL query is bound for acceleration</i>								
QUERYID	' <b>number</b> ' ALL							FQ
<i>Frees entries from SYSIBM.SYSQUERY with same value (or ALL), and corresponding entries in SYSIBM.SYSQUERYPLAN table or SYSIBM.SYSQUERYOPTS table</i>								
RECORD								
TEMPORAL	<b>YES</b> , NO							X
<i>HISTORY</i>								
<i>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</i>								
RELEASE	<b>COMMIT</b> , DEALLOCATE, INHERITFROMPLAN		X		X		X	
<i>Determines when to release resources that the program uses, either at commit or at termination</i>								
REOPT	ONCE, ALWAYS, AUTO, <b>NONE</b>		X		X			

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

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

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

SQLRULES	<b>DB2</b> , 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

SYSTEM SENSITIVE	<b>YES</b> , 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	<b>RUN</b> , 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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