

Category: DSQL

ID	SF ID	Description
1460	447014	Double hyphen (--) as comment Some tool devs and end users claimed for one-line comment as other servers have. They aren't recognized in other position, so don't count of them being as flexible as C++ double-slash token.
1461	447020	Case Insensitive Hungarian Collation Set The new case insensitive Hungarian collation set, developed and tested by Sandor Szollosi (ssani@freemail.hu).
1459	447009	DROP GENERATOR implemented The command DROP GENERATOR has been implemented.
1470	447404	Incomplete Alter Domain kills IB The incomplete SQL command: alter domain dom set; would kill the engine.
1471	447405	Group By UDF() UDFs can now be used when specifying GROUP BY syntax.
1414	446225	Allow FK indexes to be disabled This will resolve the current performance issues related to poor selectivity indexes. By disabling the index the system will not maintain an index which would otherwise contain too many duplicates to be efficient.
1423	446237	Eliminate Column not found error This has to be one of the most frustrating error messages which the system produces.
1465	447380	Recreate Table syntax The RECREATE TABLE has EXACTLY the same syntax as CREATE TABLE. The only difference is that the latter will drop the table if it already exists before creating the new one. If there's no previous table, it simply behaves exactly as CREATE. RECREATE will only complain if (of course) there's some dependency on the table being redefined or the table is being used currently. RECREATE is a workaround for the problem of dropping a table before you can create it again. The problem is that dropping it can produce several errors, for example, table in use, table has dependencies and table doesn't exist.
1474	448062	ALTER DOMAIN leaves CONSTRAINT word I noticed that if you alter domain drop constraint and then do this: alter domain add constraint check ... that the token constraint gets added into the blob containing the check text. It is possible to do this alter domain add check ... and thereby omitting the constraint token altogether.

Category: ISQL

ID	SF ID	Description
1484	451414	New PLANONLY option Support for PLANONLY setting, allows for a statement/query to be submitted to the engine and the plan retrieved, without executing the statement/query.

Category: Linux ports

ID	SF ID	Description
1485	451415	Added -NONAGLE switch Disabling the TCP/IP Nagle Algorithm typically improves speed on slow networks.

Category: Linux ports

ID	SF ID	Description
		<p>The Nagle TCP/IP algorithm was designed to avoid problems with small packets, called tinygrams, on slow networks. The algorithm says that a TCP/IP connection can have only one outstanding small segment that has not yet been acknowledged. The definition of small varies but usually it is defined as less than the segment size which on ethernet is about 1500 bytes.</p> <p>By default, the socket library will use an internal algorithm known as Nagle's algorithm for buffering bytes on write before actually sending the data in order to minimise actual physical writes.</p> <p>The presence of the new switch on Linux allows developers to determine, for themselves, the possible pro's and con's of using this alternate packet handling approach.</p>

Category: UDF/Built-In Functions

ID	SF ID	Description
1400	446208	<p>Passing values by descriptor to UDFs</p> <p>It is sometimes necessary to determine whether a values passed to a UDF is NULL. The current approach which passes parameters by value prohibits this test -- a NULL is passed as an empty value, which can't be distinguish from a 'real' empty/zero value.</p>
1457	447004	<p>New UDF Library using Descriptors</p> <p>The new library FBUDF has been designed to use the new support for descriptors, thus enabling support for detecting null values.</p>
1469	447403	<p>New SubStrLen UDF</p> <p>The new SubStrLen is to replace the previous SubStr function, which did not handle cases of position references beyond the end of the field data.</p> <p>The definition of the function is: substrlen(str, start, length) where, str - the string to be parsed start - the string position to start from length - the number of characters to return</p>