

# History Log for Actian PSQL v13

This history log documents changes to the PSQL product since PSQL 12 Service Pack 1 for Microsoft Windows, Linux, and OS X.

## Enhancements and Problems Fixed Since PSQL 12.10 SP1 - June 2016

Most of the issues listed here are cumulatively fixed in the updates for 12.10.

Tracking Number	Feature or Problem Description
PSQL-2585	Trace requester treating 0x09 character as printable causing output to be skewed
PSQL-3853	Enhanced ADO.NET's performance when using dynamic parameters which required Unicode character conversion
PSQL-3858	Syntax Error returned on nested table subqueries
PSQL-3867	SRDE allows multiple users into the database when setting security on database
PSQL-3896	SRDE may crash when using dynamic parameter for TIMESTAMP column in IN clause
PSQL-3897	SQL engine may crash when executing a query on joined tables with a non-correlated subquery on one of the same tables
PSQL-3899	Status 19 returned when updating multiple files with different file version in a transaction
PSQL-3921	Possible memory leak in PDAC's PvTable.SetRange
PSQL-3927	"Error in Expression" is returned if first parameter of the REPLACE() scalar is dynamic
PSQL-3956	Query with IN clause on a subquery using TOP returns incorrect results
PSQL-3993	Possible status 148 being returned from defragmenter
PSQL-4012	SELECT query with AND & OR returns different results when run as a table subquery.
PSQL-4065	SQL Engine may crash when dropping a database while logged into a different database.
PSQL-4069	SELECT TOP with scrollable cursor may return fewer rows than expected
PSQL-4081	Cannot create Stored Procedure in PCC if there is a SQL reserved words in a PRINT statement
PSQL-4084	Engine returns error -5099 when executing stored procedures that mix UTF-8 and DBEnc formats "Unable to open table"
PSQL-4090	Correlated query using EXISTS or IN or ANY/ALL may return incorrect results
PSQL-4095	Misconfigured Windows user may cause Engine crash when connecting via DTI/DTO
PSQL-4104	Multiple issues with SELECT TOP were addressed
PSQL-4120	TOP n returns incorrect results with scrollable cursor and SQL_FETCH_ABSOLUTE
PSQL-4181	Maintenance Utility error message is truncated

PSQL-4187	ODBC sessions disconnect after 7 hours if Pervasive Auto Reconnect is on
PSQL-4284	Possible status 3116 returned from Client Cache Engine under load
PSQL-4291	MKDE hangs instead of returning status 2 when accessing a corrupted file
PSQL-4293	Added support for the NULL keyword in a selection list of an IN clause
PSQL-4296	OLE-DB Provider returns invalid column definition when using MS Linked Server
PSQL-4301	PCC database properties displays relational constraints incorrectly
PSQL-4302	"Error in Predicate" returned for SELECT ... WHERE <constant> IN subquery
PSQL-4304	Resizing GUI Defragmenter window returns "index out of range" error
PSQL-4309	Table subquery with UNION and ORDER BY DESC may return incorrect results
PSQL-4331	Defragmenter stuck in Commit Pending due to VSS
PSQL-4336	Correlated subquery with UNION returns "General Error"
PSQL-4384	Cache engine can skip periodic page-invalidation requests
PSQL-4392	DDFBuilder sometimes does not display key segments properly
PSQL-4410	Subquery using UNION returns unknown prefix 'View4Tab1' error
PSQL-4411	SELECT with WHERE clause on non-indexed case-sensitive string column returns empty grid in PCC
PSQL-4418	Query with ANSI-PADDING off requiring temp file returns different results on second execution
PSQL-4429	Inconsistent results using ANY (subquery) with VARCHAR versus LONGVARCHAR field
PSQL-4438	Possible incorrect results using extended operations when CACHE Engine is enabled
PSQL-4446	Security on metadata v2 database should not add ALL rights to PUBLIC on existing SP/UDF/Views
PSQL-4473	PDAC is updated to support Delphi 10.1(Berlin)
PSQL-4479	Collating sequence name not showing up in column properties for a table in metadata v2 database
PSQL-4511	Cache engine may hang under heavy load with multiple cache engines accessing shared files.
PSQL-4518	Nested subqueries within a table subquery may return "Error in expression"
PSQL-4520	Subquery table with TOP expression and alias COM2 returns "Invalid view or table name"
PSQL-4524	SELECT query with IF expressions returns incorrect results with ANSI_PADDING set to OFF
PSQL-4534	SELECT INTO with an expression subquery can fail with the error "Table or view already exists."
PSQL-4566	DROP PROCEDURE with more than one space at the end returns a syntax error
PSQL-4578	Possible crash with four or more SELECT queries using a LIKE operator combined with UNION
PSQL-4579	Running the same parameterized query many times in a loop may fail with a SQLBindParameter error
PSQL-4581	ADO.NET Provider returns incorrect results for query with more than two statements combined with 'union all'
PSQL-4617	Possible incorrect values used when executing multiple SQL statements from the same statement handle, and changing parameters for each statement.
PSQL-4619	Data truncated when fetching multiple rows with longvarchar/longvarbinary data

PSQL-4627	ADO.NET provider generates PsqlException on datatable fill method on Select with IFNULL function
PSQL-4669	Length & RTRIM scalar functions return incorrect results when ANSI_PADDING=OFF
PSQL-4681	SQL Engine not checking for multiple consecutive key segments in TEMP tables for optimization
PSQL-4707	Updated Ado.net sdk sample project "Escapes" to fix compiling error
PSQL-4708	Revoking individual rights after granting all rights on a table to a particular user can deny all rights to that users
PSQL-4739	ADO.NET provider may return intermittent errors such as System.FormatException or System.Data.ConstraintException in a high volume multi-threaded environment
PSQL-4779	AnsiPadding setting is causing incorrectly padded strings to be returned
PSQL-4782	Accessing a corrupt file may crash engine due to specific key page corruption
PSQL-4796	Specifying a COLLATE attribute on a non-string column in a CREATE/ALTER table could produce status 49: "Key Type is invalid" when creating an index on the column
PSQL-4839	SQL engine may hang or crash when reading a view definition that is an exact multiple of 1996 bytes
PSQL-4844	Creating a legacy table with a LOGICAL column that has a DEFAULT can return Unknown Error: -19
PSQL-4930	SELECT in PCC Grid only returns 200 rows if the WHERE clause is commented out
PSQL-5034	SELECT with UNION and ORDER BY on a UDF column may cause the SQL engine to crash

## Technical Support

You can obtain technical support from several options at the [PSQL website](#):

- Knowledge Base. Search hundreds of articles for answers and solutions others have found useful.
- Community Forums. Join a technical discussion or post a question to start a new one.
- PSQL Database Support. Open a service ticket, submit a defect, or purchase support.

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