

Action Zen PSQL v13

Patch Release - 12/11/2017

Install Build version 13.01.010
Components Build version 13.01.005

Products

This patch applies to the following Actian PSQL products:

- PSQL v13 Windows Server Engine (x64 or x86)
- PSQL v13 Vx Server Windows Server Engine (x64 or x86)
- PSQL v13 Windows Workgroup Engine
- PSQL v13 Windows Client (x64 or x86)
- PSQL v13 Windows Client Reporting Engine

Executables

These patch notes apply to the following executables:

- PSQL_Patch_Server-13.01.010.000.exe
- PSQL_Patch_Vx_Server-13.01.010.000.exe
- PSQL_Patch_WGE-13.01.010.000.exe
- PSQL_Patch_Client-13.01.010.000.exe
- PSQL_Patch_Reporting-13.01.010.000.exe

By default, these updates create a patch installation log in the %temp% location. If instead you are using an .msp file extracted from one of these executables, then to create a log file when applying this patch, run the patch executable from a command line with the /l option. In the following example, the patch update creates a verbose log file named patch_install.log:

```
PSQLv12Patch_type.msp /l*v <path>\patch_install.log
```

Uninstalling Notes

On Windows systems, in most cases a PSQL patch update can be “rolled back” by uninstalling it. This removal restores PSQL binaries to their versions before the update. (See the note below about unremovable patches.)

To uninstall a product update for PSQL from the command line, you need the following:

- Original installation package (.msi) or the Product Code GUID for the installation. Each PSQL install type has a different product code GUID.
- Original Microsoft patch (.msp) file.

Either of the following commands can remove a product update:

- `msiexec /package <{path_to_MSI} or Product_Code_GUID> /uninstall <path_to_MSP> /l*v "%temp%\uninstall_patch.log"`
- `msiexec /i <{path_to_MSI} or Product_Code_GUID> MSIPATCHREMOVE=<path_to_MSP> /l*v "%temp%\uninstall_patch.log"`

Note that the user executing the command must be able to access the source files installed by the original PSQL installation.

Note: In certain cases, a PSQL patch cannot be removed. A warning message states “Uninstallation of the patch package is not supported,” which also is entered in the installation log file. If the patch must be removed, first uninstall PSQL entirely and then reinstall the version you need, along with the appropriate patches.

Issues Addressed

Specific issues addressed in this patch release (Build 13.01.010):

Tracking Number	Description
PSQL-4300	PCC is not closing the JDBC sessions associated with its main screen correctly
PSQL-4628	With Forward only cursor SQLExecute may not double the number of rows with an “INSERT INTO tbl SELECT * FROM tbl” statement
PSQL-4720	PSQL System SP psp_columns call returns “not nullable” for legacy tables
PSQL-4747	Psql Odbc Unicode driver may return only first Japanese character of the error message
PSQL-4859	Engine may Incorrectly spawn extent file though limit Segment Size setting is disabled
PSQL-5002	ORDER BY with COLLATE on SELECT statement may return incorrect results first time run
PSQL-5060	High connection load may buildup handles for login credentials can result in memory leaks
PSQL-5098	Manual authorization may return Status 7113 for a valid Workgroup deployment
PSQL-5168	select @@spid may return the same id number on a second connection on Linux
PSQL-5191	BUTIL syntax output is missing a <cr><lf> at the end of the BUTIL -ROLLFWD line
PSQL-5262	Partial Index attribute is not properly displayed in PCC for multi-segment partial indexes
PSQL-5263	[[SQL Engine][Data Record Manager] (11390) error may be returned when using Dynamic cursor with

	"SELECT TOP/LIMIT"
PSQL-5269	Incorrectly defined PSQL system tables may crash PSQL engine in some cases
PSQL-5279	TCP is now the only supported communication protocol
PSQL-5308	Engine may not return all the records when a string constant part of a segmented key is longer than the field length
PSQL-5333	"Error in Expression" should be returned in queries that have non-uniquely identified columns
PSQL-5347	Large query with CASE and many "OR" may hang the engine
PSQL-5387	Trigger may not work if the database path format in the connection string doesn't match with dictionary path
PSQL-5392	Corrected to return error on merge-able views without uniquely identified columns
PSQL-5407	A Btrieve file may divide at 4GB if the engine is running under an account that does not have sufficient rights to query the hard drive configuration
PSQL-5447	"Duplicate column found in insert list." was not being returned in some cases
PSQL-5462	Results may be sorted incorrectly when ORDER BY includes an aliased column listed after table.* in the select list
PSQL-5495	PCC Export data should export embedded double quotes in strings with two double quotes
PSQL-5522	SQL engine may not optimize on an available index for a restriction using IN
PSQL-5546	ALTER RENAME can allow objects to be renamed in a secure db by a user without Alter rights

Previous issues addressed since release PSQL v13.00

Tracking Number	Description
PSQL-3992	Export Table Schema in PCC fails to export default if it is a single space
PSQL-4633	Possible hang in the SQL Manager when many connect requests come in from different clients at the same time
PSQL-4808	Bulk insert via ODBC with multiple dynamic parameters set to be null may cause the engine to crash
PSQL-4832	Incorrect results returned using multiple restrictions on an indexed date column with different operators, such as = and BETWEEN
PSQL-4856	64-bit SQL engine may crash with very large query involving 2000+ conditions in the WHERE clause
PSQL-4864	IN subquery on columns with different data types (such as VARCHAR and INTEGER) may never return
PSQL-4969	Incorrect number of rows may be returned when non-leading index segment is defined as CHAR when ansi_padding is off
PSQL-4981	"SELECT * FROM X\$User" is slow to return when USER.DDF is missing
PSQL-5006	Abnormally ending a SQL connection on a Linux server may cause other connections to crash
PSQL-5033	Complex query generating multiple temp tables with nested table subqueries returning a LONGVARCHAR column using a forward-only cursor may crash the SQL engine

PSQL-5060	Excess handles allocated and not released due to legacy delay in communication components.
PSQL-5078	SQLColumns may return multiple instances of columns in some cases with very large databases
PSQL-5101	PCC should prompt to restart engine when changing the "Use Cache Engine" setting
PSQL-5148	Query with CASE in the outer SELECT list and the SELECT list of a table subquery may crash the SQL engine
PSQL-5154	BDU may return "DataLoader 22: The data buffer parameter is too short" when the data file has many keys.
PSQL-5163	Status 84 may be returned after issuing a SELECT FOR UPDATE query that has an empty result set
PSQL-5164	Updated Setup<product_type>_<platform>.exe launchers address an error 1723 during install
PSQL-5171	Buffer overflow not detected on direct communication to port 1583/3351
PSQL-5185	Corrupt file causes a divide by zero crash in the MKDE
PSQL-5190	Old PSQL Logo displayed in PCC Preferences
PSQL-5193	Action PSQL Perfmon counters are not properly registered after upgrade install
PSQL-5194	PSQL install/patch on Windows 10 with limited resources uses 100% CPU and does not terminate properly
PSQL-5208	Complex query with CASE and table subqueries with joins may return a Syntax Error
PSQL-5217	BDU is not properly handling empty strings and null entries from import file
PSQL-5247	Status 5 returned when creating a table in a database where X\$Field already has an ID=65535
PSQL-5248	Add support for PARTIAL index in Schema Export/Import

Technical Support

You can obtain technical support from several online 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.
- [Actian PSQL Support page](#). Open a service ticket, submit a defect, or purchase support.

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