

---

# Zen v16 History Log– General Availability – June 2024

---

This list gives the history of fixes and changes to the Zen product in the v16 release.

## Problems Fixed and Enhancements Added in Zen v16

Tracking Number	Feature or Problem Description
PSQL-10856	The database engine may stop responding when creating an index on a table while another user is inserting rows into the same table.
PSQL-10747	Possible status code 3 (file not open) when metadata for other databases on the same server is being modified.
PSQL-10694	The database engine may stop responding when accessing a legacy variable-length column with too short a buffer length.
PSQL-10674	Possible incorrect results from query containing multiple AND & AND NOT predicates
PSQL-10661	"Error in assignment" message may be returned on a query using NumericSA constants in quotation marks.
PSQL-10615	The database engine may stop responding if a SQL trigger references a large LONGVARCHAR value.
PSQL-10578	Possible incorrect results when a query with a complex computed field does not contain an outer set of parentheses, and that field is used in other computations.
PSQL-10560	The database engine may return -3020 "Invalid USING path/file name" when it attempts to use a path longer than 64 characters in a v2 metadata database.
PSQL-10548	The database engine may return 8097 "General Security Error" when it executes metadata statements, such as CREATE TABLE, CREATE PROCEDURE, against a secure database using UTF-8 encoding.
PSQL-10527	"Invalid view or table name" when creating a trigger on a Japanese table name.
PSQL-10524	A database client may stop responding when a Btrieve application fails to transmit a complete buffer due to network issues.
PSQL-10517	Performance issue when using Btrieve 2 to perform extended operations.

Tracking Number	Feature or Problem Description
PSQL-10509	<b>Butil -load</b> fails to load correctly a record longer than 57000 bytes.
PSQL-10492	The database engine may stop responding when executing an invalid stored procedure while attempting to update a row using a group function.
PSQL-10475	Possible incorrect behavior for old/new in trigger execution.
PSQL-10460	The database engine may stop responding when executing a complex query involving nested scalar and nested table subqueries.
PSQL-10435	The database engine may stop responding while parsing an invalid version string during a connection attempt.
PSQL-10434	Possible status 62 on Linux with query involving LIKE on a column with an ACS.
PSQL-10430	Improved security for connection strings in PDAC components.
PSQL-10363	The database engine may stop responding when a SQL query uses only an empty string with an IN scalar list.
PSQL-10357	The database engine may stop responding when a SQL query performs an ALTER table operation in a secure database with a combination of ADD and MODIFY clauses.
PSQL-10348	Improved security for connection strings in the SQL engine.
PSQL-10323	Repeatedly running a stored procedure that deletes rows may return status 8.
PSQL-10279	Specifying an invalid date in a UTF-8 database on a Japanese operating system may cause the database engine to stop responding.
PSQL-10273	Missing error message for certain SQL catalog functions when an invalid parameter is used.
PSQL-10246	Minor memory leak when windowing functions are used in a table subquery.
PSQL-10238	Result set from a stored procedure using SELECT with LIKE may include garbage at the end of valid VARCHAR data.
PSQL-10234	Inserting more than one chunk of LONGVARCHAR or NLONGVARCHAR data on Linux returns a false data truncation warning.
PSQL-10178	ActiveX may run out of IDs after creating and dropping a large number of tables.
PSQL-10163	The database engine may stop responding when a SQL query uses windowing functions to partition on an aggregate of a column that contains null values.
PSQL-10145	Use of a parameter in the Position() scalar function on an ODBC connection using the wide driver may return incorrect results.

---

Tracking Number	Feature or Problem Description
PSQL-10125	Possible memory leak when column used in a numeric comparison contains alphanumeric data.
PSQL-10028	Syntax error returned when ZenCC imports TIMESTAMP2 data previously exported by ZenCC.
PSQL-10005	In the Monitor tool, task ID shows as 0 for Btrieve connections.
PSQL-9872	The database engine may stop responding when a SQL query uses a group aggregate in a table subquery and also uses it to compare to a scalar subquery.
PSQL-9680	Exporting binary columns with ZenCC may return incorrect results.
PSQL-9594	Possible incorrect ordering of results when DESC keyword is used in an ORDER BY column in an OVER clause.
PSQL-8894	Status 41 may be returned by <b>butil -clone</b> of a file that uses system data v2.
PSQL-5192	For some corrupt files, a status 2 may be returned without a corresponding system error written to the zen.log.

---

---