

Data Warehouse Service

Error Code Reference

Issue 01
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Contents

1 ErrorCode Rules.....	1
2 Row-column store.....	7
2.1 Row-store.....	7
2.2 Column-store.....	9
2.3 GIN Index.....	10
2.4 Btree Index.....	11
2.5 Row-store Vacuum.....	11
2.6 SP-GiST Index.....	12
2.7 Hash Index.....	13
3 Transaction.....	14
3.1 Lock.....	14
3.2 GTM.....	16
3.3 xlog.....	17
3.4 Checkpoint.....	21
4 HA.....	22
4.1 Data page Replication.....	22
4.2 Log Replication.....	22
4.3 Replication Slot.....	22
5 SQL on Anywhere.....	24
5.1 SQL on Hudi.....	24
5.2 OBS / HDFS / DLI.....	24
6 GDS/Copy.....	26
6.1 Common mechanisms.....	26
6.2 Importing.....	27
7 Parser.....	29
7.1 Lexical Analysis.....	29
7.2 Grammatical Analysis.....	30
7.3 DDL.....	33
7.4 DML.....	40
7.5 Expressions.....	44
7.6 Metadata.....	45

8 Optimizer.....	48
8.1 Rewriting Queries.....	48
8.2 Path Generation.....	50
8.3 Plan generation.....	50
8.4 Analyze.....	50
8.5 utile Interface.....	51
9 Actuator.....	53
9.1 Row Execution Engine.....	53
9.2 Vectorized Execution Engine.....	55
9.3 Distributed Framework.....	55
10 Security.....	57
10.1 Authorizes.....	57
10.2 Masking.....	58
11 Communications.....	59
11.1 libpq.....	59
11.2 pooler.....	60
11.3 Communication Universal Interface.....	61
12 WLM.....	62
12.1 Load Management.....	62
12.2 CPU Management.....	63
12.3 Space Control.....	63
12.4 Exception Rule.....	63
12.5 Resource Monitoring.....	63
13 Logical Cluster.....	65
14 Others.....	66
14.1 Logical Replication.....	66
14.2 Postmaster.....	66
14.3 IPC.....	67
14.4 Tablespace.....	68
14.5 Common mechanism in Port.....	69
14.6 Tsearch.....	69
14.7 CN Retry.....	69
14.8 Advanced Packages.....	69
14.9 JSON.....	70
14.10 UDF.....	71
14.11 Functions and Features.....	72

1 ErrorCode Rules

The naming rule complies with the following rules: GS_[3-digit service ID][2-digit error type ID][4-digit auto-increment ID].

For example, GS_201110003 indicates a parameter error (11) in the row-column storage type (0) of the SQL module (2), Sub-error (0003) indicates the third error code of the same type (for example, the format of the parameter OID is incorrect).

For details about the current service and error type, see [Table1 Description of Error Codes](#).

Table 1-1 Description of Error Codes

Category	Module Type	Sub Module Type	First three digits of an error code
SQL	Row-column store	Row-store	101
		Column-store	102
		HStore	103
		GIN Index	104
		Btree Index	105
		Row-store Vacuum	106
		Column-store Vacuum	107
		Time Series Table	108
		SP-GiST Index	109
	Transaction	Hash Index	110
		Lock	111
		GTM	112

Category	Module Type	Sub Module Type	First three digits of an error code
		xlog	113
		Snapshot	114
		Barrier	115
		Pool	116
		Checkpoint	117
		Residualfiles	118
	HA	Data page Replication	121
		Log Replication	122
		Build	123
		Primary-standby DN Switchovers	124
		Replication Slot	125
		Log flow Control	126
		Catchup	127
		Synchronous Submission	128
	SQL on Anywhere	SQL on paequet	131
		SQL on orc	132
		SQL on Hudi	133
		SQL on carbondata	134
		OBS/HDFS/DLI	135
	GDS/copy	Common mechanisms (option parameters, task assignment, compression)	141
		Importing	142
		Exporting	143
		Interconnection	145
		GDS reporting	146

Category	Module Type	Sub Module Type	First three digits of an error code
	Backup	Logical Backup	161
		Fine-grained DR	162
	Other	CBM	151
		Logical Replication	152
		RPC Message Output	153
		Postmaster	154
		IPC	155
		Commands	156
		Tablespace	157
		Clusters	158
		Common mechanism in the Port	159
	Storage	Parser	Lexical Analysis
			Grammatical Analysis
			DDL
			DML
			Expressions
			Metadata
	Optimizer	Rewriting Queries	221
		Path Generation	222
		Plan generation	223
		Plan Cache	224
		Analyze	225
		utile Interface	226
	Actuator	Row Execution Engine	231
		Vectorized Execution Engine	232

Category	Module Type	Sub Module Type	First three digits of an error code
		Executing Diagnostic Information	233
		LLVM	234
		Distributed Framework	235
		RemoteQuery	236
		Explain	237
	Security	Certificates	241
		Authorizes	242
		Encryptes	243
		Audit	244
		Masking	245
	Communications	libpq	251
		pooler	252
		libcomm	253
		Stream Thread Pool	254
		Communication Universal Interface	255
	WLM	Load Management	261
		Memory Management	262
		CPU Management	263
		Space Control	264
		Network Control	265
		Exception Rule	266
		Resource Monitoring	267
	Logical Cluster	Logical Cluster	271
	Redistribution	Redistribution	281

Category	Module Type	Sub Module Type	First three digits of an error code
	Other	ODBC	201
		Tsearch	202
		Associated Analysis	203
		CN Retry	204
		Acceleration Cluster	205
		Advanced Packages	206
		JSON	207
		UDF	208
		Functions and Features	209
CBB	CBB	Signal	301
		Handle	302
		Memory	303
		Thread	304
		Error Handling	305
		Timer	306
		IPC	307
		GUC	308
		SysCache	309
		Log thread	310
Disaster Recovery (DR)	Disaster Recovery (DR)	-	501

Table 1-2 Error code Type

Errorcode Type ID	Errorcode Type Description
01	Memory error (out of memory, memory unavailable, memory overflow, etc.)
02	Disk Error

Errorcode Type ID	Errorcode Type Description
03	Network error (connection setup failure, access denied, etc.)
04	File error (file not found, file size error, file format error, file reading failure, file writing failure, file damage, etc.)
05	Connection error (connection does not exist, connection failed, connection unavailable, connected platform error, etc.)
06	Protocol error.
10	Grammatical errors. (unsupported syntax, object not found, etc.)
11	Parameter exception (parameter exception in the SQL statement, including function parameter exception, expression parameter exception, table creation statement parameter exception, and parameter out-of-bounds exception)
12	Data error (data not found, invalid data (divided by zero), etc.)
13	Data type errors (type mismatch, data type issues (out of bounds, etc.))
14	Operation error (unsupported operation)
15	Incorrect permission (illegal user, incorrect user password, or unauthorized user)
17	Undefined object error
18	Invalid object error. (various object types such as database, schema, table, and function)
20	Internal error (exception scenario, related to debugging)
21	Unsupported Features
22	Locking errors (related to lock timeout, deadlock, and lock conflict)
24	SPI interface (The SPI interface fails to be executed.)

2 Row-column store

2.1 Row-store

GS_101020000

errmsg:could not write block %u in file %s: wrote only %d of %d bytes.

errhint: Check free disk space.

level:ERROR

GS_101040040

errmsg:could not extend file %s: %m

errhint: Check free disk space.

level:ERROR

GS_101040041

errmsg:could not extend file %s: wrote only %d of %d bytes at block %u.

errhint: Check free disk space.

level:ERROR

GS_101120151

errmsg:data type %s has no default operator class for access method %s.

errhint: You must specify an operator class for the index or define a default operator class for the data type.

level:ERROR

GS_101120154

errmsg:Table with OID \%u\ doesn't exit.

errhint: Please don't drop table when the operation of REINDEX DATABASE is executed.

level:LOG

GS_101120203

errmsg: no collation was derived for column %s with collatable type %s.

errhint: Use the COLLATE clause to set the collation explicitly.

level:ERROR

GS_101120274

errmsg: invalid fork name.

errhint: valid fork names are \main\.

level:ERROR

GS_101130074

errmsg: column %s is of type %s but default expression is of type %s.

errhint: You will need to rewrite or cast the expression.

level:ERROR

GS_101130105

errmsg: Tuple does not match the descriptor.

errhint: The data received from the network is incorrect.

level:ERROR

GS_101140135

errmsg: partitioned table does not support global index.

errhint: please set behavior_compat_options = 'create_partition_local_index' to create local index by default.

level:ERROR

GS_101140224

errmsg: 'could not stat file %s: %m'

errhint: I/O Error.

level:ERROR

GS_101140235

errmsg: cannot truncate a table referenced in a foreign key constraint.

errdetail: Table %s references %s.

errhint: Ensure that the current table to be truncated is not referenced by another table. If it is, delete both of them.

level:ERROR

GS_101180046

errmsg:type %s already exists.

errhint: A relation has an associated type of the same name.

level:ERROR

GS_101200911

errmsg:If we can not reuse the index.

errhint: Please reindex the index.

level:defence_errlevel()

GS_101200912

errmsg:could not determine which collation to use for index expression.

errhint: Use the COLLATE clause to set the collation explicitly.

level:ERROR

GS_101201807

errmsg:The 'DISTRIBUTE BY' clause is not specified. Using %s by default.

errhint: Please use 'DISTRIBUTE BY' clause to specify suitable data distribution column.

level:NOTICE

2.2 Column-store

GS_102040184

errmsg:CU partial write.

errhint: CU file will be not page aligned and Check free disk space..

level:ERROR

GS_102040186

errmsg:could not extend file %s.

errhint: Check free disk space.

level:ERROR

GS_102040189

errmsg:some data are read from %s.
errdetail: maybe CU file is not page aligned.
errhint: maybe you should upgrade cstore data files first.
level:ERROR

GS_102140349

errmsg:%s command cannot affect row a second time.
errhint: Ensure that no rows proposed for insertion within the same command have duplicate constrained values.
level:ERROR

GS_102201426

errmsg:Snapshot too old.
errhint: This is a safe error report.
level:ERROR

GS_102202047

errmsg:cannot use serializable mode in a hot standby.
errhint: You can use \SET default_transaction_isolation = 'repeatable read'\ to change the default.
level:ERROR

2.3 GIN Index

GS_104010009

errmsg:posting list is too long.
errhint: Reduce maintenance_work_mem.
level:ERROR

GS_104200059

errmsg:recovery is in progress.
errhint: GIN pending list cannot be cleaned up during recovery.
level:ERROR

GS_104200070

errmsg:old GIN indexes do not support whole-index scans nor searches for nulls.

errhint: To fix this, do REINDEX INDEX "%s".

level:ERROR

2.4 Btree Index

GS_105120280

errmsg:index row size %lu exceeds maximum %lu for index %s.

errhint:values larger than 1/3 of a buffer page cannot be indexed. Consider a function index of an MD5 hash of the value.

level:ERROR

GS_105120286

errmsg:index %s contains unexpected zero page at block %u%s.

errhint: Please REINDEX it.

level:ERROR

GS_105120287

errmsg:index %s contains corrupted page at block %u.

errhint: Please REINDEX it.

level:ERROR

GS_105120300

errmsg:index row size %lu exceeds maximum %lu for index %s.

errhint:values larger than 1/3 of a buffer page cannot be indexed. Consider a function index of an MD5 hash of the value.

level:ERROR

GS_105140263

errmsg:failed to re-find tuple within index %s.

errhint: This may be because of a non-immutable index expression.

level:ERROR

2.5 Row-store Vacuum

GS_106200230

errmsg:autovacuum not started because of misconfiguration.

errhint: Enable the 'track_counts' option.

level:WARNING

2.6 SP-GiST Index

GS_109120256

errmsg:index row size %lu exceeds maximum %lu for index %s.

errhint:values larger than a buffer page cannot be indexed.

level:ERROR

GS_109120267

errmsg:SP-GiST inner tuple size %lu exceeds maximum %lu.

errhint:values larger than a buffer page cannot be indexed.

level:ERROR

GS_109202302

errmsg:index %s contains an inner tuple marked as invalid.

errdetail: This is caused by an incomplete page split at crash recovery before upgrading to PostgreSQL 9.1.

errhint: Please REINDEX it.

level:LOG

GS_109202324

errmsg:picksplit method for column %d of index %s failed.

errhint: The index is not optimal. To optimize it, Optimize the index according to the index selection principles.

level:DEBUG1

GS_109202328

errmsg:index %s contains unexpected zero page at block %u.

errhint: Please REINDEX it.

level:ERROR

GS_109202660

errmsg:column %s contains null values.

errdetail: existing data violate the NOT NULL constraint of new column.

errhint: define DEFAULT constraint also.

level:ERROR

2.7 Hash Index

GS_110202338

errmsg:index row size %lu exceeds hash maximum %lu.

errhint:values larger than a buffer page cannot be indexed,please modify index row size.

level:ERROR

GS_110202352

errmsg:index %s has wrong hash version.

errhint: Please REINDEX it.

level:ERROR

3 Transaction

3.1 Lock

GS_111010010

errmsg:out of shared memory.

errhint: You might need to increase max_locks_per_transaction.

level:ERROR

GS_111010139

errmsg:memory for serializable conflict tracking is nearly exhausted.

errhint: There might be an idle transaction or a forgotten prepared transaction causing this.

level:WARNING

GS_111010156

errmsg:out of shared memory.

errhint: You might need to increase max_pred_locks_per_transaction.

level:ERROR

GS_111140038

errmsg:It is not supported to use function 'PGXC_GET_LOCK_CONFLICTS' in distributed query.

errhint: Please use simple query without joining with distributed table.

level:ERROR

GS_111200529

errmsg:could not serialize access due to read/write dependencies among transactions.
errdetail_internal: Reason code: Canceled on identification as a pivot.
errhint: The transaction might succeed if retried.
level:ERROR

GS_111200530

errmsg:not enough elements in RWConflictPool to record a potential read/write conflict.
errhint: You might need to run fewer transactions at a time or increase max_connections.
level:ERROR

GS_111200540

errmsg:not enough elements in RWConflictPool to record a read/write conflict.
errhint: You might need to run fewer transactions at a time or increase max_connections.
level:ERROR

GS_111202666

errmsg:could not serialize access due to read/write dependencies among transactions.
errhint:The transaction might succeed if retried.
level:ERROR

GS_111202680

errmsg:invalid fork name.
errhint:alid fork names are \main\.
level:ERROR

GS_111220022

errmsg:deadlock detected.
errdetail_internal: '%s'
errdetail_log: '%s'
errhint: See server log for query details.
level:ERROR

GS_111220048

errmsg:cannot acquire lock mode %s on database objects while recovery is in progress.

errhint: Only RowExclusiveLock or less can be acquired on database objects during recovery.

level:ERROR

3.2 GTM

GS_112030049

errmsg:could not bind %s socket: %s

errhint: Is another postmaster already running on port %d? If not, wait a few seconds and retry.

level:LOG

GS_112040696

errmsg:data directory %s has wrong ownership.

errhint: The server must be started by the user that owns the data directory.

level:FATAL

GS_112040704

errmsg:could not remove old lock file %s: %s.

errhint: The file seems accidentally left over.

level:FATAL

GS_112150010

errmsg:permission denied to finish prepared transaction.

errhint: Must be system admin or the user that prepared the transaction.

level:ERROR

GS_112150011

errmsg:prepared transaction belongs to another database.

errhint: Connect to the database where the transaction was prepared to finish it.

level:ERROR

GS_112201175

errmsg:prepared transactions are disabled.

errhint: Set max_prepared_transactions to a nonzero value.
level:ERROR

GS_112201502

errmsg:expecting a startup message.
errhint: Check if it is a right connection to gtm.
level:ERROR

GS_112201529

errmsg:semctl(%d, %d, SETVAL, %d) failed: %s.
errhint: You possibly need to raise your kernel's SEMVMX value to be at least %d.
Look into the PostgreSQL documentation for details.
level:FATAL

3.3 xlog

GS_113040326

errmsg:syntax error in history file: %s.
errhint: Expected a numeric timeline ID.
level:FATAL

GS_113040327

errmsg:invalid data in history file: %s.
errhint: Timeline IDs must be in increasing sequence.
level:FATAL

GS_113040328

errmsg:invalid data in history file %s.
errhint: Timeline IDs must be less than child timeline's ID.
level:FATAL

GS_113040337

errmsg:recovery command file %s specified neither primary_conninfo nor restore_command.
errhint: The database server will regularly poll the pg_xlog subdirectory to check for files placed there.
level:WARNING

GS_113120083

errmsg:could not reset replication slot at the end of recovery.

errhint: Delete replication slot or increase max_replication_slots.

level:WARNING

GS_113120111

errmsg:Could not locate required checkpoint record.

errhint: If you are not restoring from a backup, try removing the file "%s/backup_label".

level:FATAL

GS_113120112

errmsg:could not find redo location referenced by checkpoint record.

errhint: If you are not restoring from a backup, try removing the file "%s/backup_label".

level:FATAL

GS_113120168

errmsg:invalid replication slot reciptr.

errhint: Check slot configuration or setup standby/secondary.

level:WARNING

GS_113120188

errmsg:WAL generated with full_page_writes=off was replayed since last restartpoint.

errhint: This means that the backup being taken on the standby is corrupt and should not be used. Enable full_page_writes and run CHECKPOINT on the master.

level:ERROR

GS_113120190

errmsg:the standby was promoted during online backup.

errhint: This means that the backup being taken is corrupt and should not be used. Try taking another online backup.

level:ERROR

GS_113120191

errmsg:WAL generated with full_page_writes=off was replayed during online backup.

errhint: This means that the backup being taken on the standby is corrupt and should not be used. Enable full_page_writes and run CHECKPOINT on the master.

level:ERROR

GS_113120192

errmsg:pg_stop_backup still waiting for all required WAL segments to be archived (%d seconds elapsed).

errhint: Check that your archive_command is executing properly. pg_stop_backup can be canceled safely.

level:WARNING

GS_113140042

errmsg:recovery is in progress.

errhint: This xlog function cannot be executed during recovery.WAL control functions cannot be executed during recovery.Recovery control functions can only be executed during recovery.Cannot make new WAL entries during recovery.Roach backup cannot be executed during recovery.

level:ERROR

GS_113140188

errmsg:a backup is already in progress.

errhint: If you're sure there is no backup in progress.

level:ERROR

GS_113150041

errmsg:WAL level not sufficient for making an online roach backup.

errhint: wal_level must be set to archive.

level:ERROR

GS_113200318

errmsg:WAL level not sufficient for creating a restore point.

errhint: wal_level must be set to \archive\ or \hot_standby\ at server start.

level:ERROR

GS_113200827

errmsg:backup_label contains data inconsistent with control file.

errhint: This means that the backup is corrupted and you will have to use another backup for recovery.

level:FATAL

GS_113200862

errmsg:WAL ends before end of online backup.

errhint: All WAL generated while online backup was taken must be available at recovery.

level:FATAL

GS_113201237

errmsg:database files are incompatible with server.

errhint: This could be a problem of mismatched byte ordering. It looks like you need to gs_initdb.

level:FATAL

GS_113201249

errmsg:database files are incompatible with server.

errdetail: The database cluster was initialized without HAVE_INT64_TIMESTAMP but the server was compiled with HAVE_INT64_TIMESTAMP.

errhint: It looks like you need to recompile or gs_initdb.

level:FATAL

GS_113201258

errmsg:database system was interrupted while in recovery at %s.

errhint: This probably means that some data is corrupted and you will have to use the last backup for recovery.

level:LOG

GS_113201259

errmsg:database system was interrupted while in recovery at log time %s.

errhint: If this has occurred more than once some data might be corrupted and you might need to choose an earlier recovery target.

level:LOG

GS_113201322

errmsg:hot standby is not possible because %s = %d is a lower setting than on the master server (its value was %d).

errhint: You might need to increase the value of %s.

level:ERROR

GS_113201323

errmsg:WAL was generated with wal_level=minimal.

errhint: This happens if you temporarily set wal_level=minimal without taking a new base backup.

level:WARNING

GS_113201324

errmsg:hot standby is not possible because wal_level was not set to \hot_standby\ or higher on the master server.

errhint: Either set wal_level to \hot_standby\ on the master.

level:ERROR

GS_113201383

errmsg:recovery is in progress.

errhint: WAL control functions cannot be executed during recovery.

level:ERROR

3.4 Checkpoint

GS_117140292

errmsg:checkpoint request failed.

errhint: Consult recent messages in the server log for details.

level:ERROR

GS_117201920

errmsg:checkpoints are occurring too frequently (%d seconds apart).

errhint: Consider increasing the configuration parameter \checkpoint_segments\.

level:LOG

4 HA

4.1 Data page Replication

GS_121030084

errmsg:invalid message header.
errhint: You might need to restart the instance.
level: PANIC

GS_121201135

errmsg:no replication connection config information.
errhint: please check your configuration in postgresql.conf.
level: ERROR

4.2 Log Replication

GS_122030004

errmsg:replconninfo1 or replconninfo2 not configured.
errhint: please check your configuration in postgresql.conf.
level: FATAL

4.3 Replication Slot

GS_125110230

errmsg:replication slot name %s contains invalid character.
errhint: Replication slot names may only contain letters.

level:level

GS_125110254

errmsg:all replication slots are in use.

errhint: Free one or increase max_replication_slots.

level:ERROR

GS_125140300

errmsg:recovery is in progress.

errhint: roach backup cannot be executed during recovery.

level:ERROR

GS_125200816

errmsg:too many replication slots active before shutdown.

errhint: Increase max_replication_slots and try again.

level:PANIC

5 SQL on Anywhere

5.1 SQL on Hudi

GS_133110664

errmsg:invalid value for option '%s%s.%s%s'.

errhint:alid values are %s.

level:ERROR

5.2 OBS / HDFS / DLI

GS_138110058

errmsg:Invalid option %s.

errhint:alid options in this context are: %s.

level:ERROR

GS_138110072

errmsg:Need type option for the server.

errhint:alid options in this context are: %s.

level:ERROR

GS_138110073

errmsg:Invalid option %s.

errhint:alid options in this context are \rbf\.

level:ERROR

GS_138110087

errmsg:too many partitions for dfs write-only foreign table.

errhint: Number of dfs write-only foreign table partitions can not be more than %d.

level:ERROR

GS_138150047

errmsg:permission denied to change owner of foreign-data wrapper %s.

errhint: Must be system admin to change owner of a foreign-data wrapper.

level:ERROR

GS_138150049

errmsg:permission denied to create foreign-data wrapper %s.

errhint: Must be system admin to create a foreign-data wrapper.

level:ERROR

6 GDS/Copy

6.1 Common mechanisms

GS_141030101

errmsg:Unexpected EOF on GDS connection %s: %m.

errhint: An error occurs while the database exchanges data with GDS. The peer GDS may run in safety mode with SSL certification. Ensure that the network connection between GDS and DNs, network environment, and the system ports of nodes are normal. Check the GDS WARNING and ERROR logs to identify the cause.

level:ERROR

GS_141030102

errmsg:The peer GDS has performed an orderly shutdown on current connection with error %s.

errhint: Please refer to GDS log for more details.

level:ERROR

GS_141201384

errmsg:Skewness occurs.

errhint: Please check data distribution or modify warning threshold.

level:WARNING

GS_141201739

errmsg:The above Read-Only foreign table is using FIXED mode without specifying 'fix' option.

errhint: Please use 'fix' option to specify expected fixed record length in order to parser the data file correctly.

level:WARNING

6.2 Importing

GS_142010105

errmsg:out of memory.

errhint: 1. Please ensure that the quotation marks in the CSV file are paired.
2. Please check whether the quote option is reasonable.
3. Check whether a single row of data exceeds 1GB. You can manually delete the line according to the actual situation.

level:ERROR

GS_142050163

errmsg:connection failure error.

errhint: 1. Check whether the GDS process crashes. 2. Check whether the GDS startup parameter -H is correct. 3. Check the GDS log for error information.

level:ERROR

GS_142120237

errmsg:literal carriage return found in data.

errhint: Use \\r\\ to represent carriage return.

level:ERROR

GS_142120239

errmsg:literal newline found in data.

errhint: Use \\ to represent newline.

level:ERROR

GS_142140307

errmsg:Don't support COPY FROM table with INSERT triggers.

errhint: You may need drop the INSERT trigger first.

level:ERROR

GS_142150045

errmsg:must be system admin to COPY to or from a file.

errhint: Anyone can COPY to stdout or from stdin. gsql's \\copy command also works for anyone.

level:ERROR

GS_142201772

errmsg:COPY to or from a file is prohibited for security concerns.

errhint: Anyone can COPY to stdout or from stdin. gsql's \\copy command also works for anyone.

level:ERROR

7 Parser

7.1 Lexical Analysis

GS_211110001

errmsg:unsafe use of \\' in a string literal.

errhint: Use " to write quotes in strings. \\' is insecure in client-only encodings.

level:ERROR

GS_211110003

errmsg:nonstandard use of \\' in a string literal.

errhint: Use " to write quotes in strings.

level:WARNING

GS_211110004

errmsg:nonstandard use of \\\\" in a string literal.

errhint: Use the escape string syntax for backslashes.

level:WARNING

GS_211110005

errmsg:nonstandard use of escape in a string literal.

errhint: Use the escape string syntax for escapes.

level:WARNING

GS_211130002

errmsg:invalid Unicode escape.

errhint: Unicode escapes must be \\uXXXX or \\UXXXXXXXXX.

level:ERROR

7.2 Grammatical Analysis

GS_212100030

errmsg:unrecognized row security option %s.

errhint: Only PERMISSIVE or RESTRICTIVE policies are supported currently.

level:ERROR

GS_212100035

errmsg:RECHECK is no longer required.

errhint: Update your data type.

level:NOTICE

GS_212100039

errmsg:missing argument.

errhint: Use NONE to denote the missing argument of a unary operator.

level:ERROR

GS_212100063

errmsg:JOIN expression is not allowed.

errhint: USING clause can only be a table or a subquery.

level:ERROR

GS_212100069

errmsg:VALUES in FROM must have an alias.

errhint: For example, FROM (VALUES ...) [AS] foo.

level:ERROR

GS_212100171

errmsg:INCLUDING PARTITION option cannot be specified when creating table with \PARTITION BY\ clause.

errhint: Use either INCLUDING PARTITION option or PARTITION BY clause.

level:ERROR

GS_212100172

errmsg:INCLUDING REOPTIONS option cannot be specified when creating table with.

errhint: Use either INCLUDING REOPTIONS option or \WITH\ clause.

level:ERROR

GS_212100173

errmsg:\INCLUDING DISTRIBUTION\ option cannot be specified when creating table with \DISTRIBUTE BY\ clause.

errhint: Use either \INCLUDING DISTRIBUTION\ option or \DISTRIBUTE BY\ clause.

level:ERROR

GS_212100206

errmsg:The view %s is invalid!

errhint: Please turn on GUC parameter \view_independent\.

level:ERROR

GS_212100812

errmsg:%s can't outer join with more than one relation.

errhint: %s outer join with one relation.

level:ERROR

GS_212100832

errmsg:VALUES must not contain OLD or NEW references.

errhint: Use SELECT ... UNION ALL ... instead.

level:ERROR

GS_212100867

errmsg:Invalid column reference in the INSERT VALUES Clause.

errhint: You may have referenced target table's column.

level:ERROR

GS_212100945

errmsg:SET %s = rolename not yet supported.

errhint: Use SET %s rolename clauses.

level:ERROR

GS_212100958

errmsg:SET %s TO rolename not yet supported.

errhint: Use SET %s rolename clauses.

level:ERROR

GS_212100960

errhint: "%s", "%s"...are specified Operator "(+)" in one condition.

errmsg:Operator "(+)" can't be specified on more than one relation in one join condition.

level:ERROR

GS_212100963

errmsg:subquery in FROM cannot refer to other relations of same query level.

errhint: maybe alias conflicts with column of other relation.

level:ERROR

GS_212100973

errhint: Use an explicit ordering operator or modify the query.

errmsg:could not identify an ordering operator for type %s.

level:ERROR

GS_212100977

errmsg:recursive query %s column %d has collation %s in non-recursive term but collation %s overall.

errhint: Use the COLLATE clause to set the collation of the non-recursive term.

level:ERROR

GS_212100984

errmsg:recursive query %s column %d has type %s in non-recursive term but type %s overall.

errhint: Cast the output of the non-recursive term to the correct type.

level:ERROR

GS_212100991

errmsg:collation mismatch between implicit collations %s and %s.

errhint: You can choose the collation by applying the COLLATE clause to one or both expressions.

level:ERROR

GS_212101101

errmsg:INSERT has more target columns than expressions.
errhint: The insertion source is a row expression containing the same number of columns expected by the INSERT. Did you accidentally use extra parentheses?
level:ERROR

GS_212101106

errmsg:Unsupport view independent feature.
errhint: Please turn on GUC parameter \view_independent\.
level:ERROR

GS_212110010

errmsg:operator %s is not a valid ordering operator.
errhint: Ordering operators must be \<\ or \>\ members of btree operator families.
level:ERROR

GS_212120795

errmsg:array assignment requires type %s but expression is of type %s.
errhint: You will need to rewrite or cast the expression.
level:ERROR

GS_212120801

errmsg:operator is not unique: %s.
errhint: Could not choose a best candidate operator. You might need to add explicit type casts.
level:ERROR

7.3 DDL

GS_213100016

errmsg:column %s cannot be cast automatically to type %s.
errhint: Specify a USING expression to perform the conversion.
level:ERROR

GS_213100046

errmsg:%s is an exclude index.
errhint: Partitioned table does not support EXCLUDE index.

level:ERROR

GS_213100047

errmsg:%s is an deferrable index.

errhint: Partitioned table does not support deferrable index.

level:ERROR

GS_213100048

errmsg:index %s is not valid.

errhint: Cannot change table with invalid index.

level:ERROR

GS_213100054

errmsg:partition not support to specify TABLESPACE.

errhint: Cold data partition of multi-temperature table or OBS partition not support to split partition specify tablespace.

level:ERROR

GS_213100059

errmsg:cannot add partition since table %s already has %d boundaries.

errhint: the number of boundaries cannot be greater than %d.

level:ERROR

GS_213100060

errmsg:cannot add partition since partition %s has too many boundaries.

errhint: the number of boundaries cannot be greater than %d.

level:ERROR

GS_213100092

errmsg:cannot set enable_foreign_table_query_rewrite = false when materialized view enable query rewrite.

errhint: alter materialized view disable query rewrite firstly.

level:ERROR

GS_213100100

errmsg:language %s does not exist.

errhint: Use CREATE LANGUAGE to load the language into the database.

level:ERROR

GS_213100108

errmsg:%s is an aggregate function.

errhint: Use ALTER AGGREGATE to rename aggregate functions.

level:ERROR

GS_213100131

errmsg:%s is a table's row type.

errhint: Use ALTER TABLE instead.

level:ERROR

GS_213100164

errmsg:unsupported language %s.

errhint: The supported languages are listed in the pg_pltemplate system catalog.

level:ERROR

GS_213100178

errmsg:unsupported drop schema %s which has created volatile temp tables in other session.

errhint: please find the session created schema %s.

level:ERROR

GS_213100179

errmsg:could not determine which collation to use for view column %s.

errhint: Use the COLLATE clause to set the collation explicitly.

level:ERROR

GS_213100201

errmsg:partition not support to specify TABLESPACE.

errhint: Cold data partition of multi-temperature table or OBS partition not support to split partition specify tablespace.

level:ERROR

GS_213100335

errmsg:%s is an aggregate function.

errhint: Use ALTER AGGREGATE to change owner of aggregate functions.

level:ERROR

GS_213110017

errmsg:option %s not recognized.

errhint:alid options are: dsn.

level:ERROR

GS_213110027

errmsg:LOCATION is not supported anymore.

errhint: Consider using tablespaces instead.

level:WARNING

GS_213110068

errmsg:%s is an aggregate function.

errhint: Use DROP AGGREGATE to drop aggregate functions.

level:ERROR

GS_213110096

errmsg:split point doesn't match partition key.

errhint: the number of split points should be equal to the number of partition keys.

level:ERROR

GS_213110100

errmsg:the number of boundaries cannot be greater than %d.

errhint: there are already %d boundaries.

level:ERROR

GS_213130080

errmsg:default value cannot reference to a column.

errhint: Perhaps the default value is enclosed in double quotes.

level:ERROR

GS_213130085

errmsg:cannot change owner of index %s.

errhint: Change the ownership of the index's table using 'GRANT'.

level:WARNING

GS_213130086

errmsg:%s is a composite type.

errhint: Use ALTER TYPE instead.

level:ERROR

GS_213130120

errmsg:%s is a composite type.

errhint: Use ALTER TYPE instead.

level:ERROR

GS_213140026

errmsg:too many partitions for partitioned table.

errhint: Number of partitions can not be more than %d.

level:ERROR

GS_213140035

errmsg:cannot alter array type %s.

errhint: You can alter type %s.

level:ERROR

GS_213140051

errmsg:some relations of database %s are already in tablespace %s.

errhint: You must move them back to the database's default tablespace before using this command.

level:ERROR

GS_213140060

errmsg:Modifying cross-database private object is not supported.

errhint: please switch to %s and run this command.

level:ERROR

GS_213140082

errmsg:Too many partition keys for partitioned table.

errhint: Partition keys can not be more than %d.

level:ERROR

GS_213140089

errmsg:no boundary is reserved for partition %s.
errhint: List partition must contain at least 1 boundary.
level:ERROR

GS_213140116

errmsg:cannot alter type %s because it is the type of a typed table.
errhint: Use ALTER ... CASCADE to alter the typed tables too.
level:ERROR

GS_213140143

errmsg:cannot execute %s in a read-only transaction.
errhint: To clear the disk space.
level:ERROR

GS_213150009

errmsg:Permission denied when creating data source %s.
errhint: Must be system admin to create a data source.
level:ERROR

GS_213150010

errmsg:Permission denied when changing owner of data source %s.
errhint: Must be system admin to change owner of a data source.
level:ERROR

GS_213150011

errmsg:Permission denied when changing owner of data source %s.
errhint: The owner of a data source must be a system admin.
level:ERROR

GS_213150017

errmsg:Permission denied when creating directory %s.
errhint: must be superuser to create a directory.
level:ERROR

GS_213150018

errmsg:Permission denied when droping directory %s.

errhint: must be superuser to drop a directory.

level:ERROR

GS_213150019

errmsg:Permission denied when changing owner of directory.

errhint: new owner must be superuser to alter a directory.

level:ERROR

GS_213150022

errmsg:permission denied to create extension %s.

errhint: Must be system admin to create this extension.

level:ERROR

GS_213150023

errmsg:permission denied to update extension %s.

errhint: Must be system admin to update this extension.

level:ERROR

GS_213180038

errmsg:It is unsupported to rename database %s.

errhint: the database may be on DFS tablespace %s or has multi-temperature tables.

level:ERROR

GS_213180079

errmsg:PARTIAL_CLUSTER_ROWS cannot be less than MAX_BATCHROW.

errdetail: PARTIAL_CLUSTER_ROWS must be greater than or equal to MAX_BATCHROW.

errhint: PARTIAL_CLUSTER_ROWS is MAX_BATCHROW multiplied by an integer.

level:ERROR

GS_213180083

errmsg:can't merge partition because partition %s has unusable local index.

errhint: please reindex the unusable index first.

level:ERROR

GS_213180126

errmsg:column %s inherits conflicting default values.
errhint: To resolve the conflict, please use a value that matches the default value.
level:ERROR

GS_213200015

errmsg:materialized view contains foreign table %s is suggested to set ENABLE QUERY REWRITE when enable_foreign_table_query_rewrite = true.
errhint: ALTER MATERIALIZED VIEW matview_name ENABLE QUERY REWRITE.
level:NOTICE

7.4 DML

GS_214110010

errmsg:too many partitions for partitioned table.
errhint: Number of partitions can not be more than %d.
level:ERROR

GS_214110025

errmsg:invalid reference to FROM-clause entry for table %s.
errhint: Perhaps you meant to reference the table alias %s.
level:ERROR

GS_214110026

errmsg:Operator (+) can't specify on "%s" which cannot be referenced from this part of the query.
errhint: %s should be in current query level.
level:ERROR

GS_214110032

errmsg:VALUES must not contain OLD or NEW references.
errhint: Use SELECT ... UNION ALL ... instead.
level:ERROR

GS_214110049

errmsg:invalid UNION/INTERSECT/EXCEPT ORDER BY clause.
errdetail: Only result column names can be used.

errhint: Add the expression/function to every SELECT.

level:ERROR

GS_214110055

errmsg:column %s is of type %s but expression is of type %s.

errhint: You will need to rewrite or cast the expression.

level:ERROR

GS_214110059

errmsg:array assignment to %s requires type %s but expression is of type %s.

errhint: You will need to rewrite or cast the expression.

level:ERROR

GS_214110060

errmsg:subfield %s is of type %s but expression is of type %s.

errhint: You will need to rewrite or cast the expression.

level:ERROR

GS_214110092

errmsg:INSERT ON DUPLICATE KEY UPDATE don't allow update on table without primary key or unique constraint.

errhint: Please use INSERT INTO statement without ON DUPLICATE KEY UPDATE instead.

level:ERROR

GS_214110096

errmsg:ON CONFLICT DO UPDATE requires inference specification or constraint name.

errhint: For example,ON CONFLICT (column_name).

level:ERROR

GS_214110100

errmsg:too many partitions for partitioned table.

errhint: Number of partitions cannot be more than %d.

level:ERROR

GS_214110101

errmsg:too many partitions after split partition %s.

errhint: number of partitions cannot be more than %d.

level:ERROR

GS_214120002

errmsg:START value of partition %s is smaller than START value of previous partition.

errhint: if exists only START value, use next partition's START value as current partition's END value.

level:ERROR

GS_214120005

errmsg:boundary values mismatch partitioning columns.

errhint: number of boundary value items should be equal to the number of partitioning columns.

level:ERROR

GS_214120006

errmsg:partitioned table has too many partition keys.

errhint: start/end syntax requires a partitioned table with only one partition key.

level:ERROR

GS_214120007

errmsg:number of start value items in partition %s is more than one.

errhint: must be single start value for start/end partition definition.

level:ERROR

GS_214120011

errmsg:EVERY value of partition %s is not a positive value.

errhint: Possibly caused by the conversion to the partitionkey's datatype.

level:ERROR

GS_214120018

errmsg:START value of partition %s is not equal %s.

errhint: partition gap or overlapping is not allowed.

level:ERROR

GS_214120019

errmsg:START value of partition %s is not equal to the END value of previous partition %s.

errhint: partition gap or overlapping is not allowed.

level:ERROR

GS_214120020

errmsg:END value of partition %s is maxvalue.

errhint: partitions cannot be defined after maxval.

level:ERROR

GS_214120021

errmsg:END value of partition %s is not bigger than the END value of previous partition %s.

errhint: partition boundary value overlapping is not allowed.

level:ERROR

GS_214120024

errmsg:too many partitions after split partition %s.

errhint: number of partitions can not be more than %d.

level:ERROR

GS_214120032

errmsg:could not determine which collation to use for bound expression of %s.

errhint: Use the COLLATE clause to set the collation explicitly.

level:ERROR

GS_214120033

errmsg:could not determine which collation to use for bound expression of %s.

errhint: the collation of bound expression must be equal to the collation of partitioning column.

level:ERROR

GS_214120035

errmsg:START value of partition %s is not equal to %s.

errhint: partition gap or overlapping is not allowed.

level:ERROR

GS_214120037

errmsg:START value of partition %s is not equal to the END value of previous partition %s.

errhint: partition gap or overlapping is not allowed.

level:ERROR

GS_214180006

errmsg:relation %s does not exist.

errdetail: There is a WITH item named %s.

errhint: Use WITH RECURSIVE.

level:ERROR

GS_214180007

errmsg:relation %s does not exist on DN %s.

errhint: maybe DN restarted, please retry.

level:ERROR

7.5 Expressions

GS_215100033

errmsg:could not determine interpretation of row comparison operator %s.

errhint: Row comparison operators must be associated with btree operator families.

level:ERROR

GS_215130026

errmsg:cannot determine type of empty array.

errhint: Explicitly cast to the desired type.

level:ERROR

GS_215180009

errmsg:function %s does not exist.

errhint: No function matches the given name and argument types. You might need to add explicit type casts.

level:ERROR

GS_215180016

errmsg:function %s is not unique.
errhint: Could not choose a best candidate function. You might need to add explicit type casts.
level:ERROR

7.6 Metadata

GS_216040005

errmsg:Library file %s does not exist.
errdetail: Source library file may be rollback-deleted or copy fail failed.
errhint: Try Re-Submit CREATE FUNCTION.
level:ERROR

GS_216040014

errmsg:pre-existing shared memory block (key %lu, ID %lu) is still in use
errhint: If you're sure there are no old server processes still running, remove the shared memory block or just delete the file "%s".
level:FATAL

GS_216110053

errmsg:cannot change name of input parameter %s.
errhint: The type of input parameter cannot be changed during function creation.Check whether the function parameter is changed and drop the existing function using DROP FUNCTION.
level:ERROR

GS_216110071

errmsg:date out of range.
errhint: The value range of DATE is from January 1.
level:ERROR

GS_216110073

errmsg:timestamp out of range.
errhint: The value range of TIMESTAMP is from January 1.
level:ERROR

GS_216110103

errmsg:invalid range bound flags.

errhint:alid values are \[]\.

level:ERROR

GS_216110140

errmsg:time out of range.

errhint: The value of the time type ranges from 00:00:00 to 24:00:00.

level:ERROR

GS_216110192

errmsg:timestamp out of range.

errhint: The value range of TIMESTAMP is from January 1.

level:ERROR

GS_216110195

errmsg:%s out of range.

errhint: Analyze statements to determine whether data type exceeds the range.
Alternatively, convert the type to the numeric type.

level:ERROR

GS_216110197

errmsg:%s is not a valid data directory.

errdetail: File %s does not contain valid data.

errhint: You might need to initdb.

level:FATAL

GS_216110200

errmsg:The view %s is invalid!

errhint: Use ALTER VIEW ... REBUILD to make the view valid again.

level:ERROR

GS_216110203

errmsg:cannot drop %s because %s requires it.

errhint: You can drop %s instead.

level:ERROR

GS_216110212

errmsg:cannot drop desired object(s) because other objects depend on them.

errhint: Use DROP ... CASCADE to drop the dependent objects too.

level:ERROR

GS_216180051

errmsg:cannot change return type of existing function.

errhint: The return type of the existing function cannot be changed.Change the return type of the new function or drop the existing function using DROP FUNCTION.

level:ERROR

GS_216200081

errmsg:could not determine which collation to use for string %s.

errhint: Use the COLLATE clause to set the collation explicitly.

level:ERROR

GS_216200083

errmsg:The rltuples in pg_class is equal to zero.

errhint: Do analyze for the current database first.

level:WARNING

8 Optimizer

8.1 Rewriting Queries

GS_221100010

errmsg:column %s is of type %s but default expression is of type %s.

errhint: You will need to rewrite or cast the expression.

level:ERROR

GS_221100016

errmsg:cannot perform INSERT RETURNING on relation %s.

errhint: You need an unconditional ON INSERT DO INSTEAD rule with a RETURNING clause.

level:ERROR

GS_221100017

errmsg:cannot perform UPDATE RETURNING on relation %s.

errhint: You need an unconditional ON UPDATE DO INSTEAD rule with a RETURNING clause.

level:ERROR

GS_221100018

errmsg:cannot perform DELETE RETURNING on relation %s.

errhint: You need an unconditional ON DELETE DO INSTEAD rule with a RETURNING clause.

level:ERROR

GS_221100021

errmsg:no collation was derived for column %s with collatable type %s.

errhint: Use the COLLATE clause to set the collation explicitly.

level:ERROR

GS_221100050

errmsg:rule actions on OLD are not implemented.

errhint: Use views or triggers instead.

level:ERROR

GS_221100051

errmsg:rule actions on NEW are not implemented.

errhint: Use triggers instead.

level:ERROR

GS_221100052

errmsg:INSTEAD NOTHING rules on SELECT are not implemented.

errhint: Use views instead.

level:ERROR

GS_221100062

errmsg:cannot perform INSERT RETURNING on relation %s.

errhint: You need an unconditional ON INSERT DO INSTEAD rule with a RETURNING clause.

level:ERROR

GS_221100063

errmsg:cannot perform UPDATE RETURNING on relation %s.

errhint: You need an unconditional ON UPDATE DO INSTEAD rule with a RETURNING clause.

level:ERROR

GS_221100064

errmsg:cannot perform DELETE RETURNING on relation %s.

errhint: You need an unconditional ON DELETE DO INSTEAD rule with a RETURNING clause.

level:ERROR

GS_22110004

errmsg:there are multiple rules named %s.
errhint: Specify a relation name as well as a rule name.
level:ERROR

GS_221180006

errmsg:could not convert table %s to a view because it has triggers.
errhint: In particular, the table cannot be involved in any foreign key relationships.
level:ERROR

8.2 Path Generation

GS_222100001

errmsg:could not determine which collation to use for ILIKE.
errhint: Use the COLLATE clause to set the collation explicitly.
level:ERROR

8.3 Plan generation

GS_223100005

errmsg:This SQL can not be executed because it can not be pushed down to datanode.
errhint: You need to modify this SQL and execute it.
level:ERROR

GS_223120009

errmsg:Fail to do UPDATE/DELETE.
errdetail: UPDATE/DELETE action cannot be shipped to datanode.
errhint: Proposed to rewrite query to remove unshippable factors or increase primary key constraint on %s.
level:ERROR

8.4 Analyze

GS_225120010

errmsg>No Datanode defined in cluster.

errhint: You need to define at least 1 Datanode with CREATE NODE.

level:ERROR

GS_225120023

errmsg:Statistics in some tables or columns(%s) are not collected.

errhint: Do analyze for them in order to generate optimized plan.

level: level

GS_225120024

errmsg:Statistics in some obs foreign tables(%s) are not collected.

errhint: Do set totalrows option for them in order to generate optimized plan.

level:level

GS_225200001

errmsg:The tupleDesc analyzed in CN is different from which received from DN.

errhint: Do analyze again for the relation.

level:ERROR

GS_225200020

errmsg:The tupleDesc analyzed on %s is different from tupleDesc which temp table created.

errhint: Do analyze again for the relation: %s.

level:LOG

8.5 utile Interface

GS_226100023

errmsg:could not determine which collation to use for %s function.

errhint: Use the COLLATE clause to set the collation explicitly.

level:ERROR

GS_226100025

errmsg:invalid combination of date conventions.

errhint: Do not mix Gregorian and ISO week date conventions in a formatting template.

level:ERROR

GS_226100032

errmsg:hour \%d\ is invalid for the 12-hour clock.

errhint: Use the 24-hour clock.

level:ERROR

GS_226120015

errmsg:invalid format specification for an interval value.

errhint: Intervals are not tied to specific calendar dates.

level:ERROR

GS_226120036

errmsg:cached plan must not change result type.

errhint: Please restore the result type.

level:ERROR

GS_226200015

errmsg:temp relation is invalid because of cluster resizing.

errhint: try \DROP SCHEMA if exists %s.

level:ERROR

9 Actuator

9.1 Row Execution Engine

GS_231100066

errmsg:not-in hashjoin optimization doesn't support row-engine.

errhint: Don't include 'notinopt' option in rewrite_rule setting.

level:ERROR

GS_231100068

errmsg:RIGHT JOIN is only supported with merge-joinable join conditions.

errhint: Try other join methods like nestloop or hashjoin.

level:ERROR

GS_231100069

errmsg:FULL JOIN is only supported with merge-joinable join conditions.

errhint: Try other join methods like nestloop or hashjoin.

level:ERROR

GS_231140004

errmsg:%s command cannot affect row a second time.

errhint: Ensure that no rows proposed for insertion within the same command have duplicate constrained values.

level:ERROR

GS_231140071

errmsg:abort transaction due to concurrent update %s %u.

errhint: Try to turn on GUC allow_concurrent_tuple_update if concurrent update is expected.

level:ERROR

GS_231180005

errmsg:cannot insert into view %s.

errhint: You need an unconditional ON INSERT DO INSTEAD rule or an INSTEAD OF INSERT trigger.

level:ERROR

GS_231180006

errmsg:cannot update view %s.

errhint: You need an unconditional ON UPDATE DO INSTEAD rule or an INSTEAD OF UPDATE trigger.

level:ERROR

GS_231180007

errmsg:cannot delete from view %s.

errhint: You need an unconditional ON DELETE DO INSTEAD rule or an INSTEAD OF DELETE trigger.

level:ERROR

GS_231240003

errmsg:transaction left non-empty SPI stack.

errhint: Check for missing \SPI_finish\ calls.

level:WARNING

GS_231240004

errmsg:subtransaction left non-empty SPI stack.

errhint: Check for missing \SPI_finish\ calls.

level:WARNING

GS_231240027

errmsg:%s is not allowed in a non-volatile function.

errhint: You can change function definition.

level:ERROR

9.2 Vectorized Execution Engine

GS_232010001

errmsg:[SonicHashJoin]: The memory of the current statement is not controlled.
errhint: set hashjoin_spill_strategy to 0-2.
level:ERROR

GS_232050001

errmsg:LZ4 decompress failed when deserializing message.
errhint: The data received from the network is incorrect.
level:ERROR

GS_232200033

errmsg:[VecHashJoin]: The memory of the current statement is not controlled.
errhint: set hashjoin_spill_strategy to 0-2.
level:ERROR

GS_232200037

errmsg:[%s(%d)] Warning: Partition %d[rows: outer %lu(%ldKB), inner %lu(%ldKB)], after %d times of repartition, data to be built hash table may be duplicated or too large. Build is %s.
errhint: Try ANALYZE first to get better plan.
level:LOG

9.3 Distributed Framework

GS_235100005

errmsg:Stream plan check failed. Execution datanodes list of stream node[%d] mismatch in parent node[%d].
errhint: Please use EXPLAIN VERBOSE command to see more details.
level:ERROR

GS_235110015

errmsg:Stream plan check failed. Query dop of stream node %d [dop: %d] mismatch in parent node %d [dop: %d].
errhint: Please use EXPLAIN VERBOSE command to see more details.

level:ERROR

GS_235120013

errmsg:Invalid instance type option %s.

errhint:alid option is \all\coordinator\cn\datanode\dn\.

level:ERROR

GS_235140022

errmsg:Cursor can only scan forward.

errhint: Declare it with SCROLL option or the current plan is not supported%.

level:ERROR

GS_235180001

errmsg:No Datanode defined in cluster.

errhint: You need to define at least 1 Datanode with CREATE NODE.

level:ERROR

GS_235180005

errmsg:No Datanode defined in cluster.

errhint: Need to define at least 1 Datanode with CREATE NODE.

level:ERROR

GS_235200001

errmsg:Skewness occurs.

errhint: Please check data distribution or modify warning threshold.

level:WARNING

10 Security

10.1 Authorizes

GS_242110010

errmsg:Ignoring specified roles other than PUBLIC.

errhint: All roles are members of the PUBLIC role.

level:WARNING

GS_242120001

errmsg:unrecognized key word: %s.

errhint: ACL key word must be group or user.

level:ERROR

GS_242120002

errmsg:missing name.

errhint: A name must follow the group or user key word.

level:ERROR

GS_242150029

errmsg:Please carefully use independent user as it needs more self-management.

errhint: Self-management include logical backup.

level:WARNING

GS_242150105

errmsg:cannot set privileges of array types.

errhint: Set the privileges of the element type instead.

level:ERROR

GS_242180039

errmsg:language %s is not trusted.

errhint: Only system admin can use %s languages.

level:ERROR

GS_242180101

errmsg:dependent privileges exist.

errhint: Use CASCADE to revoke them too.

level:ERROR

GS_242200037

errmsg:Forbid to grant language c to user with grant option.

errhint: Only support grant language c to user.

level:ERROR

GS_242200038

errmsg:Forbid to grant language c to public.

errhint: Only support grant language c to specified users.

level:ERROR

GS_242200057

errmsg:Using encrypted password directly now and it is not recommended.

errhint: The role can't be used if you don't know the original password before encrypted.

level:NOTICE

10.2 Masking

GS_245140012

errmsg:Redaction column %s cannot be referenced in equivalence conditions with const value.

errhint: Please use EXPLAIN command to see more details.

level:ERROR

11 Communications

11.1 libpq

GS_251030014

errmsg:could not bind %s socket at the %d time: %m.

errhint: Is another postmaster already running on port %d? If not, remove socket file "%s" and retry.

level:LOG

GS_251030015

errmsg:sctp could not bind %s socket at the %d time: %m.

errhint: sctp Is another postmaster already running on port %d? If not, remove socket file "%s" and retry.

level:LOG

GS_251040069

errmsg:multiple values specified for connection type.

errcontext: line %d of configuration file %s.

errhint: Specify exactly one connection type per line.

level:LOG

GS_251040071

errmsg:hostssl requires SSL to be turned on.

errcontext: line %d of configuration file %s.

errhint: Set ssl = on in postgresql.conf.

level:LOG

GS_251040072

errmsg:hostssl is not supported by this build.
errcontext: line %d of configuration file %s.
errhint: Compile with --with-openssl to use SSL connections.
level:LOG

GS_251040077

errmsg:multiple values specified for host address.
errcontext: line %d of configuration file %s.
errhint: Specify one address range per line.
level:LOG

GS_251040081

errmsg:end-of-line before netmask specification.
errcontext: line %d of configuration file %s.
errhint: Specify an address range in CIDR notation.
level:LOG

GS_251040086

errmsg:multiple values specified for authentication type.
errcontext: line %d of configuration file %s.
errhint: Specify exactly one authentication type per line.
level:LOG

GS_251040097

errmsg:client certificates can only be checked if a root certificate store is available.
errcontext: line %d of configuration file %s.
errhint: Make sure the configuration parameter \ssl_ca_file\ is set.
level:LOG

11.2 pooler

GS_252050041

errmsg:It is not supported to use function 'PGXC_POOL_CONNECTION_STATUS' in distributed query.
errhint: Please use simple query without joining with distributed table.

level:ERROR

11.3 Communication Universal Interface

GS_255050005

errmsg:terminating connection because of crash of another server process.

errdetail: The postmaster has commanded this server process to roll back the current transaction and exit.

errhint: In a moment you should be able to reconnect to the database and repeat your command.

level:WARNING

GS_255050009

errmsg:terminating connection due to conflict with recovery.

errhint: In a moment you should be able to reconnect to the database and repeat your command.

level:FATAL

GS_255110049

errmsg:invalid command-line argument for server process: %s.

errhint: Try \%s --help\ for more information.

level:FATAL

GS_255110050

errmsg:%s: invalid command-line argument: %s.

errhint: Try \%s --help\ for more information.

level:FATAL

12 WLM

12.1 Load Management

GS_261110006

errmsg:The \priority\ of query_band action is invalid.

errhint: The valid value for priority are \Rush\.

level:ERROR

GS_261110007

errmsg:The action %s of query_band is invalid.

errhint: The valid format is as follows: \respool=L1\.

level:ERROR

GS_261110008

errmsg:The action %s of query_band is invalid.

errhint: The valid action is \respool\ and \priority\.

level:ERROR

GS_261130001

errmsg:Failed to set the order of query_band.

errhint: The order of query_band has exists.

level:ERROR

GS_261140017

errmsg:resource pool %u does not exist in htab.

errhint: please use pgxc_wlm_rebuild_user_respool to rebuild info.

level:ERROR

12.2 CPU Management

GS_263200040

errmsg:Cgroup failed to attach (tid %d) into "%s" group: %s(%d).

errhint: Maybe the path of Cgroup %s has been changed or removed.

level:WARNING

12.3 Space Control

GS_264120001

errmsg:schema %u does not exist.

errhint: please use gs_wlm_rebuild_schema_hash to rebuild info.

level:WARNING

GS_264140003

errmsg:When the database is read-only.

errhint: If the database still cannot be connected, disable CN-Retry and try again (set max_query_retry_times = 0).

level:ERROR

12.4 Exception Rule

GS_266140001

errmsg:The query is in the blocklist and cannot be run.

errhint: If you want to run the query later, confirm the reason why the query is blocklisted and remove the query from the blocklist after resolving the problem.

level:ERROR

12.5 Resource Monitoring

GS_267120001

errmsg:role %u does not exist.

errhint: please use pgxc_wlm_rebuild_user_respool to rebuild info.

level:ERROR

GS_267120003

errmsg:cannot find resource pool with user: %u.
errhint: please use \pgxc_wlm_rebuild_user_respool\ to rebuild info.
level:ERROR

GS_267140002

errmsg:It is not supported to use function
'PG_STAT_GET_WLM_NODE_RESOURCE_INFO' in distributed query.
errhint: Please use simple query without joining with distributed table.
level:ERROR

GS_267140015

errmsg:relation %s does not exist.
errhint: The table object in the specified schema does not exist. please use
database 'postgres'.
level:ERROR

13 Logical Cluster

GS_271180008

errmsg:database locale is incompatible with operating system.

errhint: Recreate the database with another locale or install the missing locale.

level:FATAL

14 Others

14.1 Logical Replication

GS_152150028

errmsg:permission denied to change owner of publication %s.

errhint: The owner of a FOR ALL TABLES publication must be a superuser.

level:ERROR

GS_152150029

errmsg:permission denied to change owner of publication %s.

errhint: The owner of a FOR ALL TABLES IN SCHEMA publication must be a superuser.

level:ERROR

GS_152150031

errmsg:permission denied to change owner of subscription %s.

errhint: The owner of an subscription must be a superuser.

level:ERROR

14.2 Postmaster

GS_154040729

errmsg:data directory %s has wrong ownership.

errhint: The server must be started by the user that owns the data directory.

level:FATAL

GS_154110703

errmsg:could not open directory %s: %m.

errhint: This may indicate an incomplete PostgreSQL installation. Also possible causes for failures to open a directory include an unavailable directory, incorrect permission, or directory damage. Analyze the cause based on the error message. If the directory does not exist, create the directory. If the permission is incorrect, change the permission. If the directory is damaged, restore the file system or disk.

level:ERROR

GS_154110704

errmsg:invalid value for parameter \replication\.

errhint:alid values are: false.

level:FATAL

GS_154110705

errmsg:invalid value for parameter \backend_version\.

errhint:alid values are of uint32 type.

level:FATAL

GS_154110707

errmsg:invalid value[%d] for parameter \connect_timeout\.

errhint:alid values are of uint32 type.

level:FATAL

GS_154202468

errmsg:hot standby is not possible because wal_level was not set to \hot_standby\.

errhint: Either set wal_level to \hot_standby\.

level:ERROR

14.3 IPC

GS_155140414

errmsg:Snapshot is invalid.

errdetail: Snapshot xmin %lu is lower than newestOldestXmin: %lu.

errhint: This is a safe error report.

level:ERROR

14.4 Tablespace

GS_157040476

errmsg:directory %s does not exist.

errhint: Create this directory for the tablespace before restarting the server.

level:ERROR

GS_157120335

errmsg:Can not get tablespace size with SnapshotNow after try 3 times.

errhint: Please retry.

level:ERROR

GS_157140325

errmsg:Invalid value for tablespace maxsize: %s.

errhint: The format or value of the tablespace limit is incorrect.Correct the format or value according to corresponding prompt information.

level:ERROR

GS_157150055

errmsg:Permission denied to create tablespace %s.

errhint: Must be system admin to create a tablespace.

level:ERROR

GS_157150059

errmsg:Insufficient storage space for tablespace %s.

errhint: Limited size is %lu.

level:ERROR

GS_157201711

errmsg:directories for tablespace %u could not be removed.

errhint: You can remove the directories manually if necessary.

level:LOG

14.5 Common mechanism in Port

GS_159010148

errmsg:could not create shared memory segment: %m.

errhint: This error usually means that PostgreSQL's request for a shared memory segment exceeded available memory or swap space.

level:FATAL

GS_159202431

errmsg:semctl(%d, %d, SETVAL, %d) failed: %m

errhint: You possibly need to raise your kernel's SEMVMX value to be at least %d.

level:FATAL

14.6 Tsearch

GS_202040008

errmsg:thesaurus sample word "%s" is a stop word (rule %d).

errhint: Use ? to represent a stop word within a sample phrase.

level:ERROR

14.7 CN Retry

GS_204200024

errmsg:parameter \$%d of type %s cannot be coerced to the expected type %s.

errhint: You will need to rewrite or cast the expression.

level:ERROR

14.8 Advanced Packages

GS_206110001

errmsg:null value not allowed.

errhint: '%dth argument is NULL.'

level:ERROR

GS_206110017

errmsg:program limit exceeded.
errdetail: Too much concurrent opened files.
errhint: You can only open a maximum of %d files for each session.
level:ERROR

14.9 JSON

GS_207110021

errmsg:argument list must have even number of elements.
errhint: The arguments of %s must consist of alternating keys and values.
level:ERROR

GS_207110022

errmsg:argument %d cannot be null.
errhint: Object keys should be text.
level:ERROR

GS_207110026

errmsg:could not determine row type for result of %s.
errhint: Provide a non-null record argument.
level:ERROR

GS_207110027

errmsg:cannot replace existing key.
errhint: Try using the function jsonb_set to replace key value.
level:ERROR

GS_207120016

errmsg:expected JSON array.
errhint: See the value of key %s.
level:ERROR

GS_207120018

errmsg:expected JSON array.
errhint: See the array element %s of key %s.

level:ERROR

GS_207130009

errmsg:flag array element is not a string.

errhint: 'Possible values are: \string\'

level:ERROR

GS_207130010

errmsg:'wrong flag in flag array: %s'.

errhint: 'Possible values are: \string\'.

level:ERROR

14.10 UDF

GS_208140022

errmsg:incompatible library %s: missing magic block.

errhint: Extension libraries are required to use the PG_MODULE_MAGIC macro.

level:ERROR

GS_208140076

errmsg:Permission for current user: %s to operate service table: %s.

errhint: Only service table or database owner can call the function.

level:ERROR

GS_208140097

errmsg:invalid option %s.

errhint: 'Valid options in this context are: %s'.

level:ERROR

GS_208200079

errmsg:Invalid searchletId: %d.

errhint: Maybe there is no vector data adding to searchlet.

level:WARNING

GS_208200090

errmsg:could not obtain message string for remote error.

errhint: 'from remote cluster: %s'

level:level

14.11 Functions and Features

GS_209030003

errmsg:Sequence %s retry %d times to connect GTM on DataNode %s.

errhint: Need reduce the num of concurrent Sequence request.

level:ERROR

GS_209100010

errmsg:The definition of the function is null.

errhint: Check whether the definition of the function is complete in the pg_proc system table.

level:ERROR

GS_209100039

errmsg:case not found.

errhint: CASE statement is missing ELSE part.

level:ERROR

GS_209100052

errmsg:query has no destination for result data.

errhint: If you want to discard the results of a SELECT

level:ERROR

GS_209100088

errmsg:missing argument.

errhint: Use NONE to denote the missing argument of a unary operator.

level:ERROR

GS_209100089

errmsg:too many arguments.

errhint: Provide two argument types for operator.

level:ERROR

GS_209100112

errmsg:invalid OWNED BY option.

errhint: Specify OWNED BY table.column or OWNED BY NONE.

level:ERROR

GS_209100157

errmsg:Sort method %s is not supported.

errdetail: Not support the given sort method.

errhint: Please check and revise your nlssort parameter.

level:ERROR

GS_209110032

errmsg:trigger functions cannot have declared arguments.

errhint: The arguments of the trigger can be accessed through TG_NARGS and TG_ARGV instead.

level:ERROR

GS_209110106:

errmsg:could not determine which collation to use for regular expression.

errhint: Use the COLLATE clause to set the collation explicitly.

level:ERROR

GS_209110108

errmsg:could not determine which collation to use for ILIKE.

errhint: Use the COLLATE clause to set the collation explicitly.

level:ERROR

GS_209110110

errmsg:invalid escape string.

errhint: Escape string must be empty or one character.

level:ERROR

GS_209110178

errmsg:invalid multibyte character for locale.

errhint: The server's LC_CTYPE locale is probably incompatible with the database encoding.

level:ERROR

GS_209110184

errmsg:"query_band" is invalid or the length of query_band exceeds the maximum(%d) limit.

errhint: alid format is key=value.

level:ERROR

GS_209120040

errmsg:unrecognized reset target: %s.

errhint: Target must be \bgwriter\.

level:ERROR

GS_209120067

errmsg:boundary values mismatch partitioning columns.

errhint: number of boundary value items should be equal to the number of partitioning columns.

level:ERROR

GS_209120068

errmsg:partitioned table has too many partition keys.

errhint: start/end syntax requires a partitioned table with only one partition key.

level:ERROR

GS_209120069

errmsg:number of start value items in partition %s is more than one.

errhint: must be single start value for start/end partition defination.

level:ERROR

GS_209130018

errmsg:Unrecognized function type code: %d.

errhint: This node type is expected to be a function or trigger.

level:ERROR

GS_209130070

errmsg:RETURN cannot have a parameter in function returning set.

errhint: Use RETURN NEXT or RETURN QUERY.

level:ERROR

GS_209130087

errmsg:column %s is not an advised partitioning column since its datatype [%s].
errhint: floating-point number cannot be accurately represented.
level:WARNING

GS_209130088

errmsg:datatype of column %s is unsupported for partition key in start/end clause.
errhint: 'valid datatypes are: smallint'.
level:ERROR

GS_209140002

errmsg:could not set up XML error handler.
errhint: This probably indicates that the version of libxml2 being used is not compatible with the libxml2 header files that PostgreSQL was built with.
level:ERROR

GS_209140015

errmsg:can't %s partition since index %s is unusable.
errhint: reindex the unusable index first.
level:ERROR

GS_209140017

errmsg:Range partitioned table with INTERVAL is unsupported.
errhint: Only support pure range partitioned table.
level:ERROR

GS_209140037

errmsg:[WDRReport] Snapshot id is invalid.
errhint: begin snapshot id must be smaller than end snapshot id.
level:ERROR

GS_209140053

errmsg:It is not supported to use function 'GS_UPDATE_BLOCKLIST_HASH_INFO' in distributed query.
errhint: Please use simple query without joining with distributed table.
level:ERROR

GS_209140062

errmsg:EXECUTE of SELECT ... INTO is not implemented.

errhint: You might want to use EXECUTE ... INTO or EXECUTE CREATE TABLE ... AS instead.

level:ERROR

GS_209180019

errmsg:no pg_constraint entry for trigger %s on table %s.

errhint: Remove this referential integrity trigger and its mates.

level:ERROR

GS_209200144

errmsg:Trigger function with non-plpgsql type is not recommended.

errdetail: Non-plpgsql trigger function are not shippable by default.

errhint: Unshippable trigger may lead to bad performance.

level:WARNING

GS_209200219

errmsg:Failed to drop the user.

errhint: Failed to cancel backend process for privilege.

level:ERROR

GS_209240007

errmsg:cannot begin/end transactions in PL/pgSQL.

errhint: Use a BEGIN block with an EXCEPTION clause instead.

level:ERROR

GS_209240028

errmsg:referential integrity query on %s from constraint %s on %s gave unexpected result.

errhint: This is most likely due to a rule having rewritten the query.

level:ERROR

GS_209240060

errmsg:cannot begin/end transactions in PL/pgSQL.

errhint: Use a BEGIN block with an EXCEPTION clause instead.

level:ERROR

GS_209240063

errmsg:cannot begin/end transactions in PL/pgSQL.

errhint: Use a BEGIN block with an EXCEPTION clause instead.

level:ERROR

GS_209240064

errmsg:SPI_execute failed executing query %s: %s.

errhint: You might want to use EXECUTE ... INTO or EXECUTE CREATE TABLE ... AS instead.

level:ERROR