

OpenText™ Gupta SQLBase

Release Notes

12.0 SP2

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1 Introduction

These Release Notes provide an overview of OpenText Gupta SQLBase 12.0 SP2, including new features, delivery information, and supported platforms. OpenText recommends that you read these Release Notes in conjunction with the documentation included with the software package. If any conflicts exist, the Release Notes supersede the other documentation.

We also recommend that you check OpenText My Support (<https://support.opentext.com>) for any patches or documentation updates that may have been posted after the initial release of this product.

1.1 Release Notes revision history

Revision date	Sections revised	Description of revisions
2017-01-17	First release.	All new content.

2 About OpenText Gupta SQLBase

OpenText Gupta SQLBase 12.0 SP2 is a Service Pack for SQLBase 12.0 that introduces a feature that automates upgrading existing database installations and provides a number of fixes.

2.1 New features

OpenText Gupta SQLBase 12.0 SP2 includes the following new features.

2.1.1 Automatic database migration

Added support for automatic conversion of existing SQLBase databases starting with SQLBase version 8.5. At the first connect to an existing database, SQLBase 12.0 SP2 starts an automatic database conversion process by unloading the database and re-loading the data into a new SQLBase 12.0 database.

To prepare for automatic database conversion, please make sure there is enough disk space on the same drive as your database to make a full duplicate copy and save an unload file.

While the older version of the server is running, DEINSTALL your databases to make sure that each database is wholly contained. This means that the database .DBS file can be read without the presence of .LOG files that are used for rollback and rollforward.

After installation of this version of SQLBase, please edit the sql.ini file to enable or disable automatic database conversion for the server.

```
[dbntsrv]
```

```
; Enable automatic database conversion (0 – Disable , 1 – Enable)
```

```
AutoConvert=1
```

With AutoConvert enabled, the server will accept a connection request and check to see if a database conversion is required. If conversion is required, it will attempt to unload the older version of the database. It will then use the current version to load a new database file. If successful, it will save a copy of the original database and unload file in a sub-directory where the database file is located. If the conversion is unsuccessful, it will leave a temporary sub-directory containing the files used in its attempt. That sub-directory, in the location of the database file, can be removed when no longer wanted.

To avoid having the server make multiple conversion attempts on a database, it only makes one attempt while running. If you need multiple attempts, you must restart the server for each attempt.

The newly installed sql.ini contains more information on the autoconvert option. It contains information as follows:

```
;  
;  
; [dbntrsv]  
;  
; Automatic database conversion  
;  
; AUTOCONVERT=[0|1]  
; autoconvert=[0|1] - Auto conversion is 0=Off or 1=On (default=0)  
;  
; For AutoConvert to work, SBHelper*.EXE helper programs must be  
; present.  
;  
;autoconvert=0
```

Automatic database conversion does not operate on encrypted databases. It is also only available on Windows at this time.

2.2 Security Enhancements

SQLBase includes security enhancements in this release.

2.2.1 Connection Message

The server detects and restricts connections for low security operations, so that they cannot gain access to higher security operations. This is a safeguard against message tampering.

2.2.2 ODBC Connection Password

To improve the privacy of the ODBC connection, the connection password for the ODBC driver resides in memory and disk in encrypted form.

2.2.3 Server Password can now be stored in encrypted format in the sql.ini

The server password for database administrative functions resides in the sql.ini file. A new server console interface has been added to allow the database administrator to encrypt the server password and replace it in the sql.ini with the encrypted version.

To encrypt the server password, run the server console, select Change or Set Server Password. If there are any problem, you can remove the password from the sql.ini file, and rerun the server console to set it.

2.2.4 SSL certificate key password is encrypted

When you generate a SSL certificate and protect it with a password, the password will be protected by encryption to keep it private.

2.3 Discontinued and deprecated features

Partitioned databases are no longer supported. The size and speed of hard disks have made this feature obsolete.

3 Packaging and documentation

Downloads and documentation for OpenText Gupta SQLBase are available on OpenText My Support (<https://support.opentext.com>).

3.1 Packaging and delivery information

The software and documentation for OpenText Gupta SQLBase includes:

- SQLBase database server 32 bit and 64 bit versions
- SQLBase driver package 32 bit
- SQLBase driver package 64 bit
- SQLBase Command Center database administration tool (in 32-bit installation only)
- SQLTalk interactive SQL tool

3.2 Related documentation

For additional information about OpenText Gupta SQLBase, or for supplemental information about related products, refer to the following documents, which are available on OpenText My Support (<https://support.opentext.com>).

- SQLBase manuals

4 Supported environments and compatibility

This section provides details about supported platforms, systems, and versions.

4.1 Supported systems

Windows Operating Systems:

- Windows 10
- Windows 8.1

- Windows 8
- Windows Server 2012 (64bit)
- Windows 7
- Windows Server 2008 R2
- Windows Vista (Client only)

Linux Operating Systems

- RedHat 6
- RedHat 7

4.2 OpenText product compatibility

This section provides details about which versions of other OpenText products are compatible with this release of OpenText Gupta SQLBase 12.0 SP2.

 **Note:** For the latest compatibility information for OpenText products, refer to the Compatibility Matrix (<https://knowledge.opentext.com/go/matrix>) on OpenText My Support.

Product name	Version	Notes
OpenText Business Intelligence (OTBI)	11.0	
OpenText Integration Center (OTIC)	16.0	
OpenText Gupta Report Builder	6.3	
OpenText Gupta Report Builder	7.0	
OpenText Gupta Team Developer	7.0	
OpenText Gupta Team Developer	6.3	
OpenText Gupta TD Mobile	2.0	
OpenText Gupta TD Mobile	2.1	

4.3 Language support

OpenText Gupta SQLBase is currently localized in the following languages. Future releases may add additional languages.

Component	Languages							
	EN	DE	JA	FR	IT	ZH	ES	RU
SQLBase Server	UI	UI						
SQLBase Command Center	B							
SQLTalk	B							

UI = user interface only

B = both user interface and online help

5 Installation and upgrade notes

This section provides additional installation and upgrade information, including related or third-party product information and any required critical patches.

5.1 Installation notes

Before you install OpenText Gupta SQLBase, review these additional installation notes and verify related product or third-party product requirements.

5.2 Upgrade notes

Before you upgrade, review these instructions.

If you have database files from before version 12.0, please deinstall them before upgrading. This will combine the .LOG files into the .DBS file and make it possible to use the automatic database conversion. An example using SQLTalk:

```
SET SERVER SERVER1/<password>;
DEINSTALL DATABASE CORPDATA1;
DEINSTALL DATABASE CORPDATA2;
SET SERVER OFF;
```

After installation of new version, reinstall the database files and connect to them. If AutoConvert=1 is set in the server section of the sql.ini, there will be pause proportional to the size of the database being converted. Then the connect message will continue to be processed.

```
SET SERVER SERVER1/<password>;
INSTALL DATABASE CORPDATA1;
CONNECT CORPDATA1;
DISCONNECT CORPDATA1;
INSTALL DATABASE CORPDATA2;
CONNECT CORPDATA2;
DISCONNECT CORPDATA2;
```

6 Fixed issues

This section provides information about past issues that have been fixed in this release.

Issue number	Issue description
SQLB-2529	Passing specific flags in the connect message will allow connections with no password check. (security fix)
SQLB-2527	Count terminal service clients against the SQLBase license count
SQLB-2526	EDP Installer overwrites installer helper batch file customizations
SQLB-2525	Automatic database conversion supported
SQLB-2523	Increase maximum # seats licensed for EDP installer from 255 to 1000
SQLB-2522	.NET provider connection pooling leaks cursors
SQLB-2521	Improve CrashReporter usability for Service vs User mode tasks
SQLB-2519	createtask.sql is not installed with SQLBase 12.0.x
SQLB-2518	SQLBase API shared object has missing symbols
SQLB-2513	Database has error 839 reported after a fresh load
SQLB-2512	Server hangs under heavy load, from 1 day to two weeks
SQLB-2511	SQLBase data provider throws Exception if SP parameter definition does not have colon as separator
SQLB-2510	Chinese characters and umlauts in the same script file fail
SQLB-2509	Server deadlocks and requires restart
SQLB-2505	.NET Provider connection pooling thread stalls exiting process
SQLB-2504	Map ADO.NET isolation levels to SQLBase isolation levels, and change default to RC
SQLB-2502	.NET Provider Reorganization
SQLB-2501	The builder created by the EDPInstallMaker misses a registry entry
SQLB-2500	EDP generated license does not work on all machines
SQLB-2498	EDP Generated license is node-locked
SQLB-2497	Calling a stored procedure with parameters using the .NET provider fails
SQLB-2496	.NET APipe connections are delayed when connecting
SQLB-2493	The OLEDB driver doesn't allow server functions using VB
SQLB-2491	ODBC crashes Access when linking tables with long names with underscores
SQLB-2489	EDP Doesn't include smtp_mail.dll and scilexer.dll for CC
SQLB-2486	Adding the gupta.sqlbase.data.dll to a VS 2012 project crashes VS2012
SQLB-2468	Security password's cache.ini is not being saved in the correct directory for running as a service
SQLB-2454	Cannot save a renamed sqlbase.lic file using the EDP Maker
SQLB-2449	Altering sysuserauth causes a load from the database to fail
SQLB-2324	Redefine rules for which directory the server create temporary files in
SQLB-2196	Fix issues found in .NET provider through static analysis
SQLB-2183	With Access and OLEDB insert and update via a view require access to the underlying table
SQLB-2177	SQLTalk run from the \x64 directory uses the sql.ini file from that directory ignoring session settings
SQLB-2116	Increase security by encrypting passwords throughout the product

SQLB-1987	Installer for SQLBase allows a server password > 8 characters
SQLB-1985	Normalize connection strings across drivers
SQLB-1847	Edit->Find->Next doesn't continue from the cursor position if you move the cursor
SQLB-1662	Doing an 'alter table' with an 'auto_increment' item produces an error 'invalid SQL statement'
SQLB-1563	Command Center task scheduling needs to be documented WELL

7 Known issues

The following known issues exist in this release.

Issue number	Issue description
SQLB-2506	Outer join is slower than 8.5 in a specific case

8 Contact information

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OpenText My Support: <https://support.opentext.com>

For more information, visit www.opentext.com

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