

Upgrade SQLBase - current 12.2

The following document provides instructions on upgrading to the latest release of SQLBase which is SQLBase12.2. Please ensure all requirements have been met before proceeding with the installation, and you have followed all instructions in the 'Before you begin' section.

Before you begin

Zavanti ERP v 12 has been upgraded to 64 bit version the previous versions will no longer be supported. This guide is to assist users in the process of installing the new Zavanti ERP and associated SQLBase (database).

SQLBase 12.2 (64 bit) should only be installed on systems using Zavanti ERP - Version 12 or later.

1. Ensure that you have obtained a valid SQLBase license key file. (SQLBASE.LIC) from Zavanti support, this can be updated later if required.
2. You must UNINSTALL previous versions of SQLBase, by using windows ADD / REMOVE programs before upgrading to SQLBase 12.2. Please ensure you have complete backup of the Zavanti database.
3. Ensure that you have a backup of your Zavanti database before proceeding.

Zavanti recommends that SQLBase 12.2 be installed on any of the following operating systems:

- Windows Server 2012
- Windows Server 2016
- Windows Server 2019.

Upgrade requirements

Note	This document deals with the requirement in order to upgrade an existing SQLBase database (version 11 or prior) to SQLBase 12.2 and should only be carried by a qualified technician, or Zavanti support
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The upgrade to SQLBase 12.2 is described below and involves the following key steps

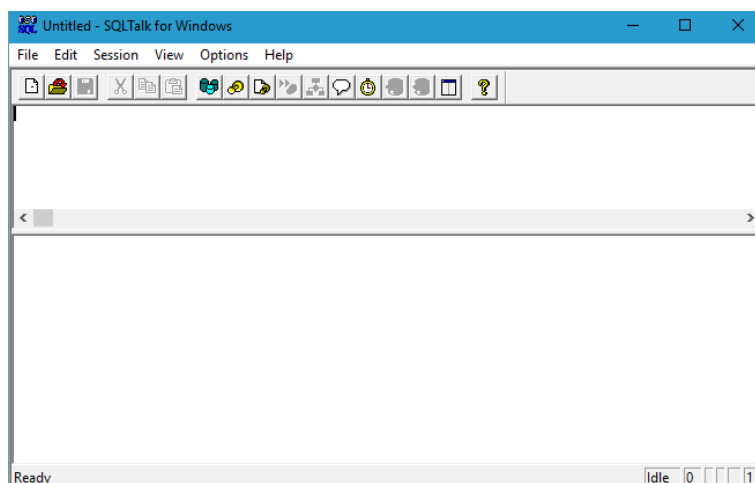
1. Download SQLBase 12.2 installation file from Zavanti website

2. Back up your existing Zavanti database.
3. Unload SQLBase 11 (or prior) database
4. Uninstall SQLBase 11 (or prior)
5. Editing your Unloaded data file
6. Install SQLBase 12.2 as per *SQLBase 12.2 Install Guide*
7. Loading your database(s) in SQLBase 12.2

Note	<p>Ensure you have sufficient disk space available for this process. It is recommended that you have at least 5 times the size of the database available for this process.</p> <p>This installation process requires a server restart, therefore you should ensure that all users are logged off the system before commencing.</p> <p>Ensure you have your new SQLBase licence file from Zavanti.</p>
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Unload SQLBase database (version 11 or prior)

1. Ensure all users are logged off the network before beginning this upgrade.
2. Unloading your SQLBase Version 11 database
3. Unload your database by using the following SQLTALK commands
4. Run c:\gupta\sqltalk.exe. This will present the user with the following screen



5. Type the following commands into the TOP part of the screen
CONNECT TSCFIN; <ctrl> <Enter>
6. This will connect to the database. Message will be displayed in the bottom half of the screen
SELECT * FROM SYSTABLES WHERE NAME LIKE 'TMP%'; <ctrl> <Enter>
7. This will provide a list temporary tables that need to be removed.
8. For each of the tables listed you will need to enter the following command
DROP TABLE TMPxxxxxxx; <ctrl> <Enter>

9. You can now UNLOAD the database which will create a TXT file of your database data to the location you wish to save it. Create a new windows folder in order to SAVE your unload file - Example c:\unload\
10. This file will be used to then reload your data in SQLBase 12. Enter the following command

UNLOAD DATABASE 'C:\UNLOAD\TSCFIN_DATABASE.SQL'; <ctrl> <Enter>

Please ensure you also keep a backup of the file created above. The UNLOAD command could take some time depending on the size of your database(s)

Note	Users that have multiple databases, eg. Archive databases, you will need to repeat the above process for each database you have by CONNECTING to different database name and then UNLOADING to a separate file
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Uninstall SQLBase Version 11 database

1. Shut down the database (SQLBase Service), and ensure there are no log files in the TSCFIN folder. If there are still log files after the database has shut down, you will need to restart the database and shut it down again. Do not proceed with the installation of Gupta version 12 while there are still log files in this folder.
2. Take a backup of the database - tscfin.dbs (and other installed databases) and store it in a safe place. For further instructions, please consult our FAQ's guide
3. Disable the SQLBase service located under Services (found in the Administrative Tools section of the Control Panel)
4. Uninstall the existing Gupta SQLBase 11 using the Add/Remove Programs feature (found in the Control Panel).
5. Rename the Gupta folder (usually located at C:\Gupta on the server) to Gupta_SQLBASE_11

Editing your Unloaded data file

Due to certain incompatibilities between SQLBase Version 11 (and prior) and SQLBase 12.2, it is necessary to EDIT the Unload file and change offending lines

To edit the unload file:

1. Edit the Unload file using WORDPAD or NOTEPAD. In this example the file will be c:\unload\tscfin_database.sql (see: 8 above)
2. Search for and locate the string "LEFT DOUBLE PRECISION"
3. Change the string to put double quotes around the word LEFT. There should only be 1 or 2 occurrences of this string

Example: (see red highlight)

```
CREATE TABLE SYSADM.GJCTEMPLATE_DETAIL (
  FIELD_NAME CHAR(18) NOT NULL,
  TEMPLATE_CODE CHAR(3) NOT NULL,
  COLUMN_POS DOUBLE PRECISION,
  TYPE VARCHAR(10),
  LENGTH DECIMAL(3, 0),
```

```
PRECIS DECIMAL(3, 0),  
WIDTH DOUBLE PRECISION,  
HEIGHT DOUBLE PRECISION,  
TOP DOUBLE PRECISION,  
LEFT DOUBLE PRECISION,  
"LABEL" CHAR(18),  
VISIBLE CHAR(1),  
U_OR_D CHAR(1),  
DTABLE CHAR(18),  
DCOLUMN CHAR(18),  
READ_OBJECT CHAR(60),  
DEF_CHAR CHAR(250),  
DEF_NUM DOUBLE PRECISION,  
FIELD_TYPE CHAR(3),  
SQL DOUBLE PRECISION)
```

Needs to be changed to

```
CREATE TABLE SYSADM.GJCTEMPLATE_DETAIL (  
  FIELD_NAME CHAR(18) NOT NULL,  
  TEMPLATE_CODE CHAR(3) NOT NULL,  
  COLUMN_POS DOUBLE PRECISION,  
  TYPE VARCHAR(10),  
  LENGTH DECIMAL(3, 0),  
  PRECIS DECIMAL(3, 0),  
  WIDTH DOUBLE PRECISION,  
  HEIGHT DOUBLE PRECISION,  
  TOP DOUBLE PRECISION,  
  "LEFT" DOUBLE PRECISION,  
  "LABEL" CHAR(18),  
  VISIBLE CHAR(1),  
  U_OR_D CHAR(1),  
  DTABLE CHAR(18),  
  DCOLUMN CHAR(18),  
  READ_OBJECT CHAR(60),  
  DEF_CHAR CHAR(250),  
  DEF_NUM DOUBLE PRECISION,  
  FIELD_TYPE CHAR(3),  
  SQL DOUBLE PRECISION)
```

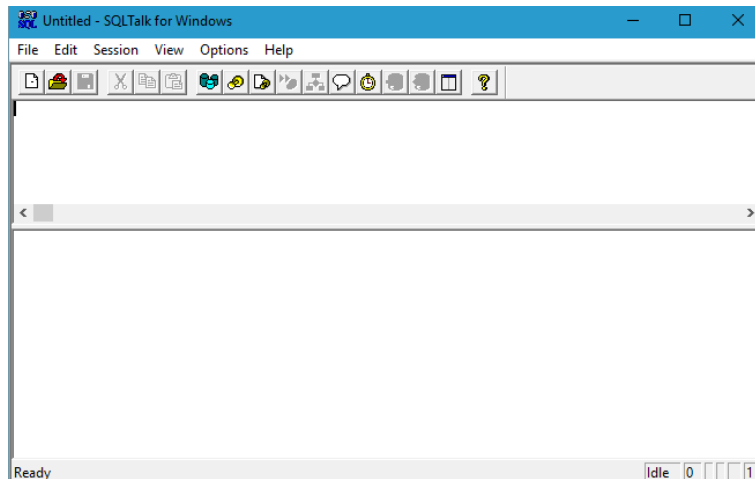
4. Once complete, SAVE changes

Install SQLBase 12.2

Complete the SQLBase 12.2 Installation instructions as per the 'SQLBase 12.2 Install Guide'

Loading your database(s) in SQLBase 12.2

1. Load your database by using the following SQLTALK commands
2. Run c:\gupta\sqltalk.exe. This will present the user with the following screen



3. You can now LOAD the database which from the UNLOAD TXT file of your database data you created in the previous section of the document. In this example the file will be c:\unload\tscfin_database.sql
4. Type the following commands into the TOP part of the screen, one line at a time

```
SET SERVER server1; <ctrl> <Enter>
CREATE DATABASE TSCFIN; <ctrl> <Enter>
INSTALL DATABASE TSCFIN; <ctrl> <Enter>
CONNECT TSCFIN; <ctrl> <Enter>
SET BULK ON; <ctrl> <enter>
SET LOGBACKUP OFF; <ctrl> <enter>
SET RECOVERY OFF; <ctrl> <enter>
LOAD SQL 'C:\UNLOAD\TSCFIN_DATABASE.SQL' ON SERVER; <ctrl> <Enter>
SET BULK OFF; <ctrl> <enter>
SET RECOVERY ON; <ctrl> <enter>
COMMIT; <ctrl> <Enter>
```

5. The LOAD command could take some time depending on the size of your database(s)

Note	Users that have multiple databases, eg. Archive databases, you will need to repeat the above process for each database you have by CREATING a different database name and then LOADING to the saved txt file for each of the databases unloaded in previous section of the document separate file
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6. Once database(s) have been reloaded, you are fine to begin using the Zavanti application again.

