



"SQL Database Professional"

1		1
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3	SQL Database Professional	2
4		3
5		3
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7		5
8		9
9		11
10	SQL	12
1	SQL	13

1

"SQL Database Professional" ()
 Advanced Serial Data Logger /
 (parser) SQL
 : SQLBase, Oracle, Microsoft SQLServer, Sybase, DB2,
 Informix, Interbase, Firebird, MySQL, PostgreSQL.

Microsoft SQLServer Oracle).
 ODBC
 ODBC
 Database,

SQL
 SQL
 •
 •
 •

2

SQL Database Professional :

: Windows 2000 SP4 , 32-x 64-x

5 MB

(), Advanced Serial Data Logger.

4

Plug-in -

Advanced Serial Data Logger

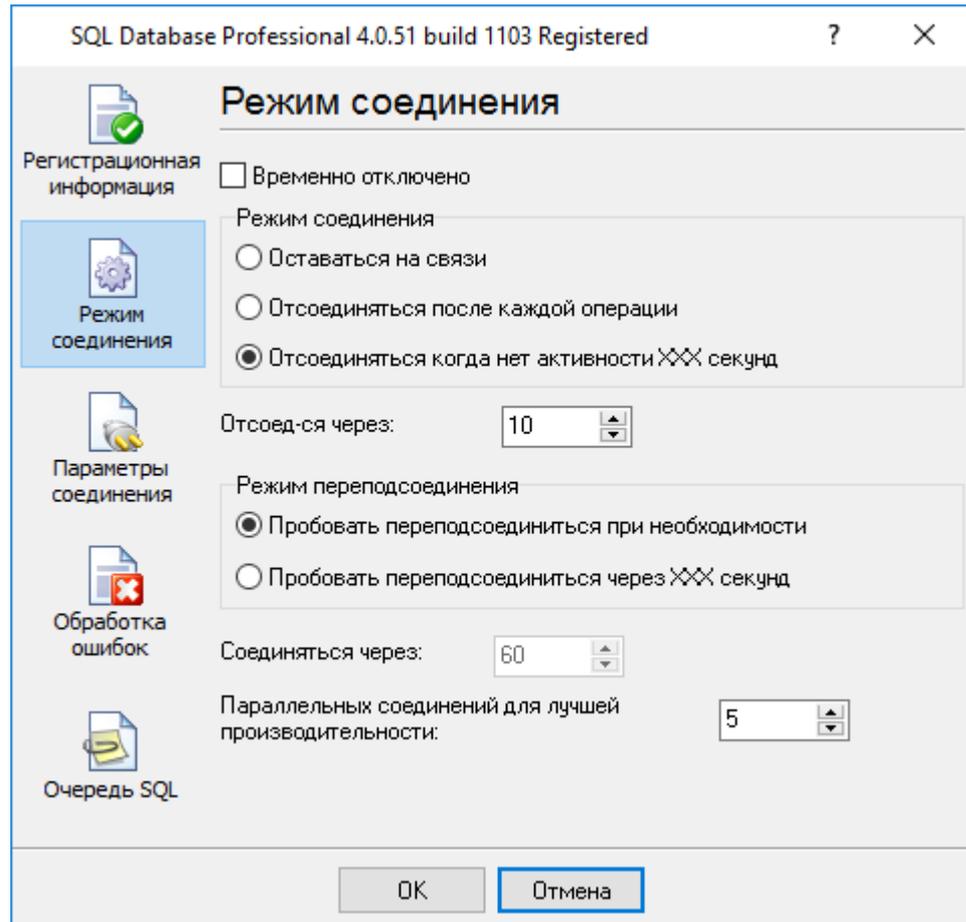
5

1. , , Advanced Serial Data Logger;
2. -> -> ...

3. ; " -> ";
4. "SQL Database
Professional".
5. 1 ; ;
" "

6

" (. 1)
" " " "
" " " "
" " " "

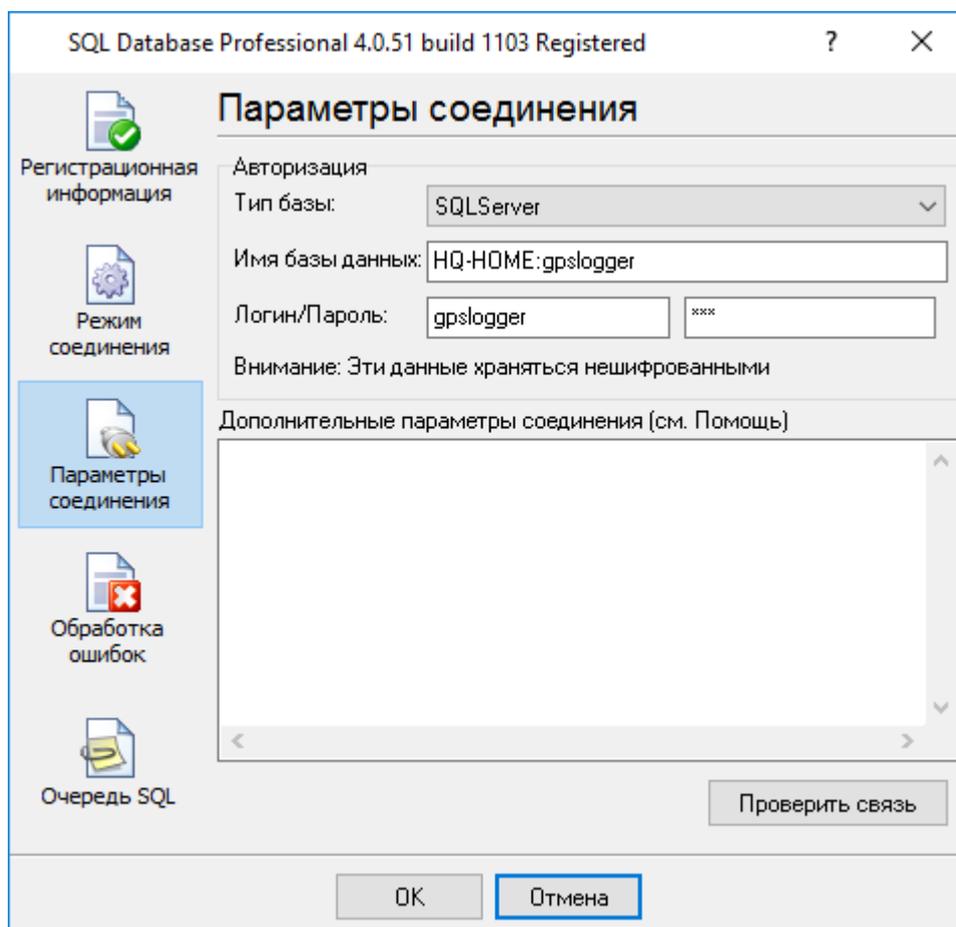


.1

XXX

7

" (.2)



.2.

- **DB2, Informix ODBC** – DSN, " Informix:

SERVICE=ids_srv;HOST=yourhost;PROTOCOL=OLSOCTCP;SERVER=ids_srv;DATABASE=system;UID=informix;PWD=informix.

- **Interbase** – ()

<server_name>:<filename>	TCP
\\<server_name>\<filename>	NetBEUI
<server_name>@<filename>	SPX

- **Oracle** – / ()
- **MySQL, MS SQL Server Sybase SQL Server** –

REMSRV, remsrv.dbname DBNAME, (local).

" " " "

AUTOCOMMIT	auto-commit	
APPLICATION NAME	,	MSSQL Sybase
HOST NAME	,	MSSQL Sybase
COMMAND TIMEOUT	,	MSSQL, ODBC, SQLBase, Sybase
COMPRESSED PROTOCOL	True	MySQL
ENABLE BCD	NUMERIC BCD	Oracle, Interbase

ENABLE INTEGERS	NUMERIC INTEGER	Oracle, Interbase
ENABLE MONEY	NUMERIC (1-4) CURRENCY	MySQL
ENCRYPTION	false.	Sybase
FIELD REQUIRED	NULL	
FORCE OCI7	OCI7 (SQL*Net 2.x - Oracle7 interface) Oracle	Oracle
LOCAL CHARSET		Interbase
LOGIN TIMEOUT		DB2, Informix, ODBC, MSSQL, MySQL, Sybase
MAX CURSORS		MSSQL Sybase
MAXCHARPARAMLEN	255	
MAXFIELDNAMELEN	50	Oracle
MAX STRING SIZE	blob	ODBC Firebird, Interbase,
NEW PASSWORD		Oracle8

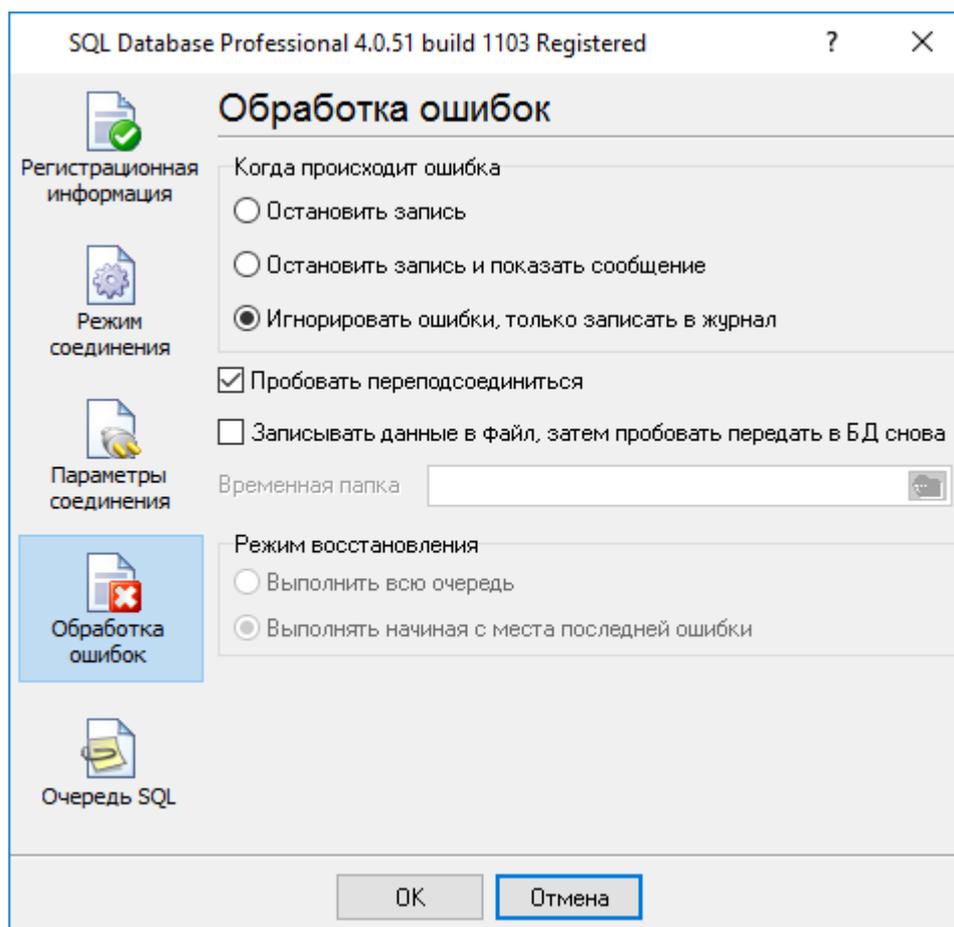
	'Password expired'	
QUOTED IDENTIFIER		MSSQL Sybase
PREFETCH ROWS	prefetched , (Oracle8: SELECT LONG)	DB2, Informix, ODBC, Oracle8
ROLE NAME	,	Interbase Oracle (SYSDBA/SYSOPER roles)
SERVER PORT	TCP/IP	MySQL, OLEDB, PostgreSQL
SINGLE CONNECTION	/ false	MSSQL Sybase
SQL DIALECT	SQL Dialect (1,2,3)	Interbase
TDS PACKET SIZE	TDS. , "Login failed"	Sybase
TRANSACTION LOGGING	FALSE, transaction logging, rollback	SQLBase
RTRIM CHAR OUTPUT	CHAR. True	DB2, Informix, Interbase, Oracle, ODBC Sybase
XA CONNECTION	, () TM , "Database name". False	Oracle8i
XXX API LIBRARY	, XXX	

	Oracle, SQLServer, Interbase	
SSL KEY	SSL (client-key.pem)	MySQL
SSL CERT	SSL (client-key.pem)	MySQL
SSL CA	(CA) (ca.pem)	MySQL
SSL CIPHER	() SSL	MySQL

8

(PRIMARY KEY)
(FOREIGN KEY)

" (. 3)



.3.

1.

2.

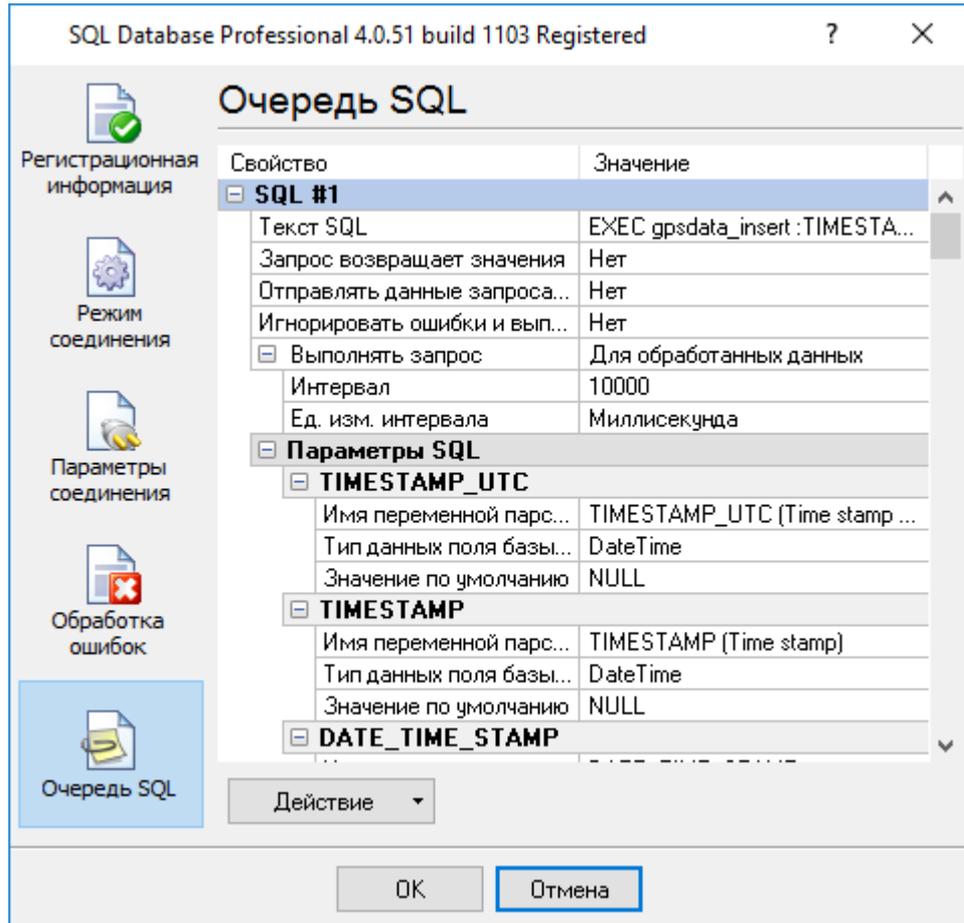
3.

4.

10

SQL

INSERT
 INSERT
 SQL (" SQL
 SELECT SQL
 SQL
 " SQL" (.4)



.4. SQL
 " " SQL .4) SQL
 SQL - SQL
 SQL - SQL

SQL

SQL

SQL

SQL

SQL

10.1

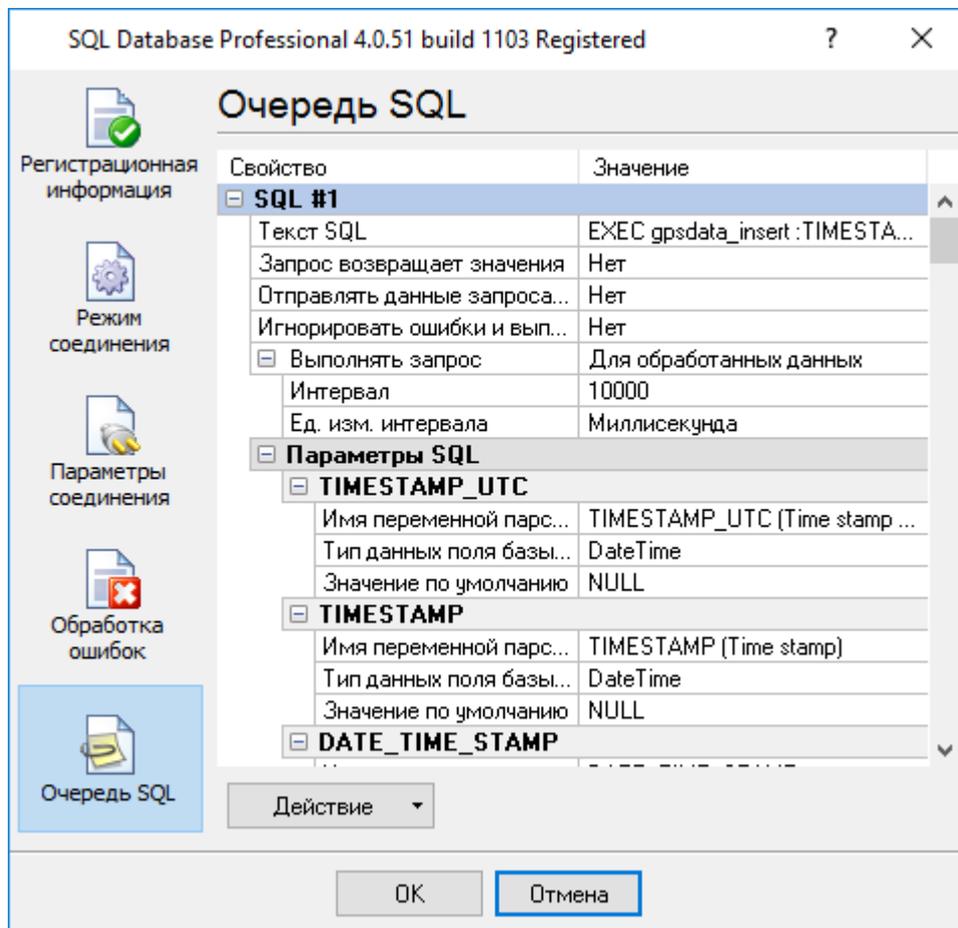
SQL

SQL

SQL

SQL

(.5)



.5. SQL

SQL –

SQL

SQL

SQL

(.6).

SQL


```

1 EXEC gpsdata_insert :TIMESTAMP_UTC, :TIMESTAMP, :DATE_T
2 :LONGITUDE, :LATITUDE, :LONGITUDE_DEG, :LATITUDE_DEG,
3 :ALTITUDE, :ANGLE, :SPEED,
4 :AI1, :AI2, :AI3, :AI4,
5 :SATELLITES, :GPS_STATE, :GSM, :EVENTID,
6 :V1, :V2,
7 :TRACK, :TRACK2,
8 :DI1, :DI2, :DI3, :DI4, :DI5, :DI6, :DI7, :DI8,
9 :DO1, :DO2, :DO3, :DO4, :DO5, :DO6, :DO7, :DO8,
10 :FLAG1, :FLAG2, :FLAG3, :FLAG4,
11 :FUEL, :FUEL1, :FUEL2, :RPM
12 ;

```

.6. SQL

SQL , SQL

" SQL" (.5).

()

" SQL".

3 :

– , () (

Advanced Serial Data Logger).

: NULL DEFAULT,

NULL

" "

SQL :

```
select (max(id)+1) as max_id from test_datas
```

```

      ID,
max_id.      ,      MAX_ID      MAX_ID
(      )
      SQL      ,      MAX_ID
      null (      test_datas      ),
      1.      P1 ( . .5)
      SQL      ,
      -      ,
      .
      -      ,
      ,      null.

```