



"ODBC Database"

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1

"ODBC database" (ODBC)
 (). ODBC ,
 (,),
 :

- SQL. ;
- MS SQL Server;
- Oracle database (7)
- dBASE I-IV files;
- Paradox;
- DBF;
- MS Excel;
- CSV;
- ODBC (, Lotus Notes/Domino

ODBC NotesSQL).

(,),
 SQL Database Professional.

2

ODBC Database :

: Windows 2000 SP4 , 32-x 64-x

- : 5 MB

Advanced Serial Data Logger.

Microsoft Vista :

Program Files,

1. ,

2. ;

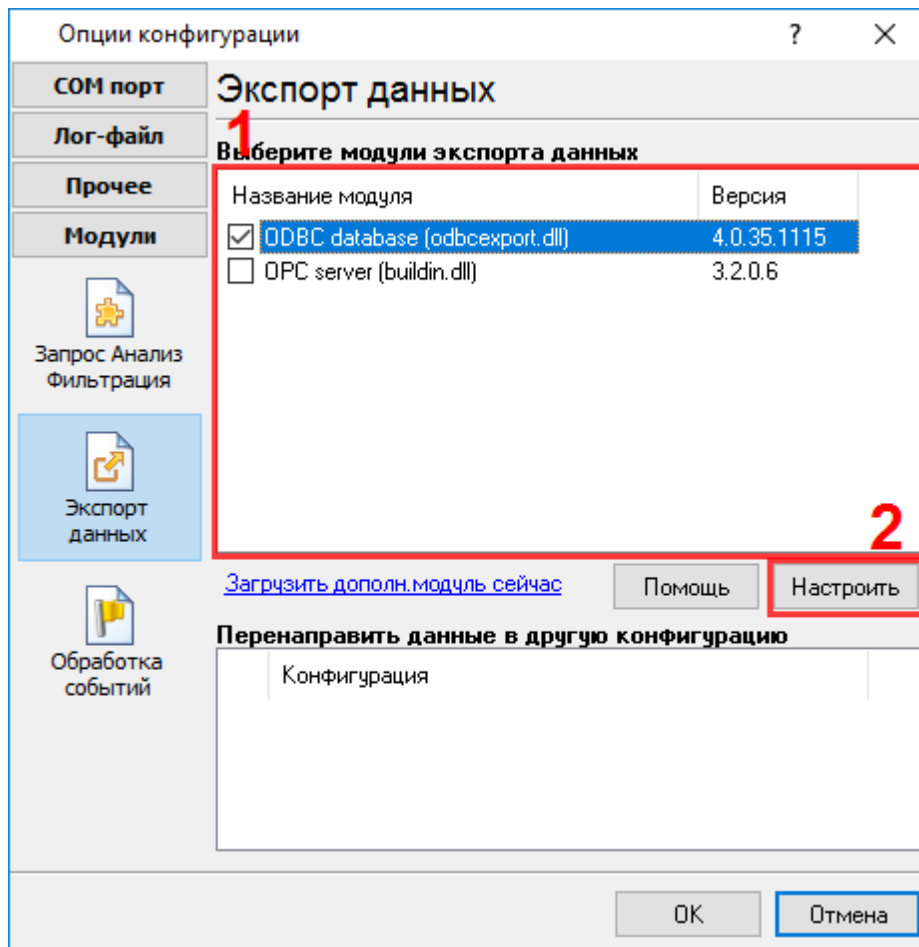
3. Windows Vista

Google.

3

ODBC Database

1. (, Advanced Serial Data Logger),
 2. ;
 3. ,
 4. Windows;
 5. " " ;
- .1-2.
- " "
- " - " "



.1.

4

Plug-in -

Advanced Serial Data Logger

5

5.1 DSN?

Microsoft, DSN (data source name -) -
 " ODBC." , , ODBC.
 : , ,
 , , , ,
 DSN .

DSN?

- DSN - DSN , DSN:
 , ,
 DSN (,) .
- DSN - DSN
 DSN,
 DSN
 DSN
 DSN.
 ?!
 , ,
 ODBC, , Visual Basic Access.

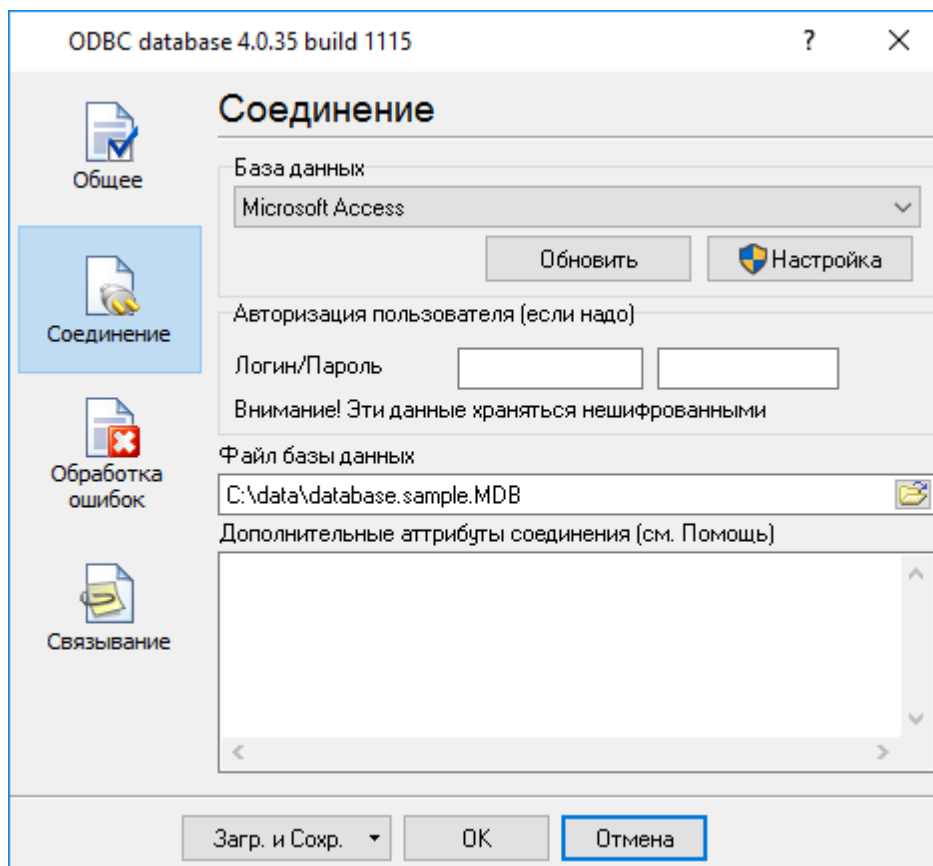
DSN

MS Access. , DSN

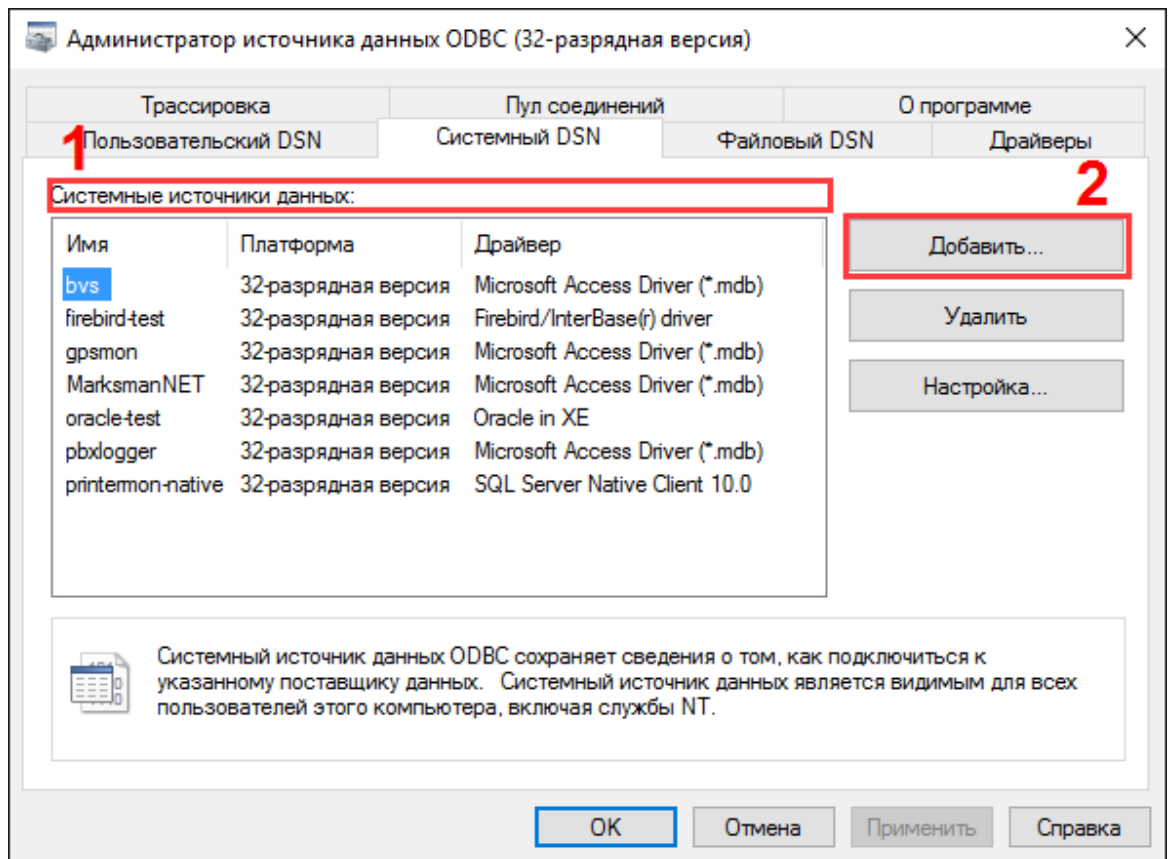
```
----- file.dsn -----
[ODBC]
DRIVER=Microsoft Access Driver (*.mdb)
ReadOnly=0
UserCommitSync=Yes
Threads=3
SafeTransactions=0
PageTimeout=5
MaxScanRows=8
MaxBufferSize=512
ImplicitCommitSync=Yes
FIL=MS Access
DriverId=25
```

5.2

- ODBC.
ODBC
: Oracle, MS SQL, MS Access, MS Excel, FoxPro, dBASE.
- ODBC ODBC Microsoft (www.microsoft.com)
1. " " (.1).
" " ODBC" (.2).
" " ODBC
- Internet Explorer 5.0
Microsoft Data Access Components (MDAC) Microsoft <http://www.microsoft.com/odbc>.



.1.



.2

2.

(.2).
 (" DSN"),
 Windows NT/2000/XP,
 " DSN".
 " " " " (.1)

3.

! !

4.

, DBF Microsoft Access,
"

5.

ODBC


```

:
[DSN=<data-source-name>]
[FILEDSN=<data-source-name.dsn>]
[UID=<      >]
[PWD=<      >]
[DBQ=<      >]
[ISOLATIONLEVEL=<value>]

```

- **DSN** -

- **FILEDSN** - .dsn (. . DSN).

- **UID** - ();

- **PWD** - ();

- **DBQ** - (, , MS Access).

```
[<      >=<      >]
```

DSN.

1. ODBC

1:

"MS Access 97 Database",

"D:\incom.mdb":

DBQ=D:\incom.mdb

2:

"Payroll"

Oracle "moola",

DSN=Payroll

UID= /

SERVER=moola

6.

"OK" (.1)

"_____".

5.3

5.3.1 Oracle

- DSN - " " ,
- PWD - Oracle, Oracle
- SERVER - Oracle. ()
- UID - Oracle. "/" Oracle.
- BUFFERSIZE - , ,
- StdDayOfWeek - , ODBC DAYOFWEEK.

5.3.2 FoxPro

- BackgroundFetch - " " " " .
- Collate - "Machine" - " " " " .
- Exclusive - ,
- SourceDB -
- SourceType - "DBC" "DBF".

5.4

5.4.1

- DSN - " " ,
- UID - ();
- PWD - ();
- DBQ - (, MS Access). "

5.4.2 dBASE

- **COLLATINGSEQUENCE** - : ASCII () International.
Collating Sequence
- **DEFAULTDIR** -
- **DELETED** - = 1, = 0,
()
"Show Deleted Rows"
- **DESCRIPTION** - "Description"
- **DRIVER** - DLL
- **DRIVERID** - , 21 (dBASE III), 277 (dBASE IV), 533 (dBASE 5.0)
- **FIL** - : dBASE III, dBASE IV, or dBASE 5
- **PAGETIMEOUT** - - 600 (60).
ODBC
"Page Timeout"
- **READONLY** - TRUE ; FALSE
"Read Only"
- **STATISTICS** - dBASE, ODBC
"Approximate Row Count"
- **THREADS** - 3
"Threads"

5.4.3 Paradox

- **COLLATINGSEQUENCE** - : ASCII () International.
Collating Sequence
- **DEFAULTDIR** -
- **DESCRIPTION** - "Description"
- **DRIVER** - DLL
- **DRIVERID** - , 26 (Paradox 3.x), 282 (Paradox 4.x), 538 (Paradox 5.x)

- **FIL** - : Paradox 3.x, Paradox 4.x, or Paradox 5.x
- **PAGETIMEOUT** - , - 600 (60).
: ODBC
"Page Timeout"
- **PARADOXNETPATH** - PDOXUSRS.net (Paradox 4.x) PARADOX.net (Paradox, Paradox 5.x).
Paradox.
Paradox. "Select Network Directory"
- **PARADOXNETSTYLE** - Paradox: "3.x"
Paradox 3.x "4.x" Paradox 4.x 5.x. "3.x" "4.x"
Paradox 4.x 5.x; Paradox 3.x, "3.x"
x". "Net Style" "3."
- **PARADOXUSERNAME** - Paradox.
"User Name"
- **PWD** - DSN.
ODBC SQLDriverConnect
Paradox.
- **READONLY** - TRUE ; FALSE
"Read Only"
- **THREADS** - 3
"Threads"

5.4.4 Excel

- **DBQ** - Microsoft Excel Microsoft Excel 5.0, 7.0,
97. "Database"
- **DEFAULTDIR** - Excel.
"Select Directory or Select Workbook"
- **DESCRIPTION** - "Description"
- **DRIVER** - DLL
- **DRIVERID** - , 534 (Microsoft Excel 3.0), 278 (Microsoft Excel 4.0), 22
(Microsoft Excel 5.0/7.0), 790 (Microsoft Excel 97)
- **FIL** - - Excel 3.0, Excel 4.0, Excel 5.0, Excel 7.0, Excel 97
- **FIRSTROWHASNAMES** - 1 ,
Excel
- **MAXSCANROWS** - , 1 16. : 8.
0,
"Rows to Scan"

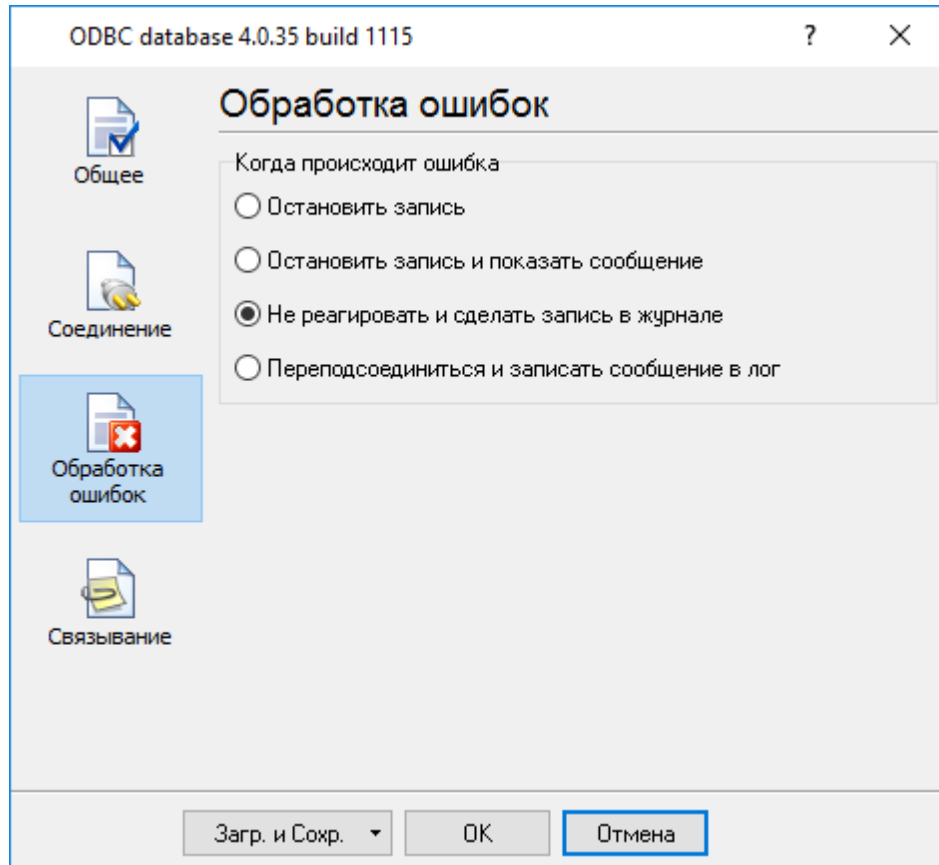
- **READONLY** - TRUE ; FALSE
"Read Only"
- **THREADS** - 3
"Threads"

5.4.5

- **CHARACTERSET** - : OEM ANSI.
- **COLNAMEHEADER** - TRUE
Excel
- **DEFAULTDIR** -
- **DESCRIPTION** -
"Description"
- **DRIVER** - DLL
- **DRIVERID** - 27 (Text)
- **EXTENSIONS** -
"Extensions"
- **FIL** - Text
- **FILETYPE** - (Text).
- **FORMAT** - FIXEDLENGTH, TABDELIMITED, CSVDELIMITED (),
DELIMITED() ().
- **MAXSCANROWS** - 1 32767. : 25.
0,
"Rows to Scan"
- **READONLY** - TRUE ; FALSE
"Read Only"

5.5

(FOREIGN KEY), (PRIMARY KEY),
" (. 1)



.1

1.

3

:

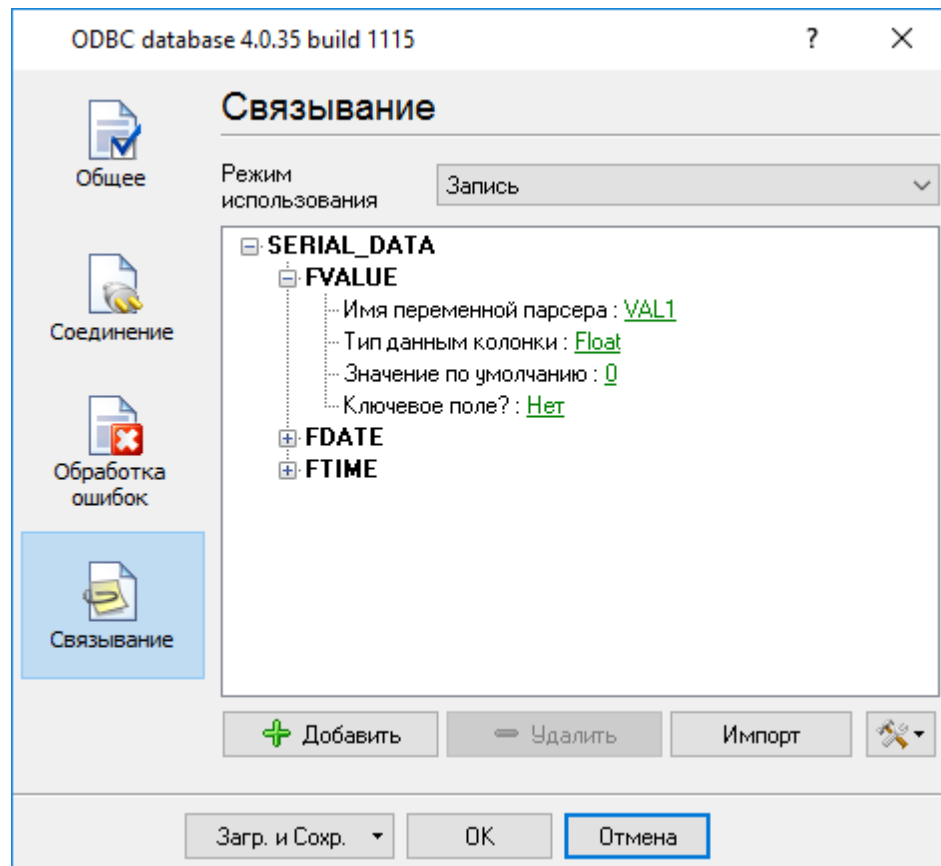
2.

3.

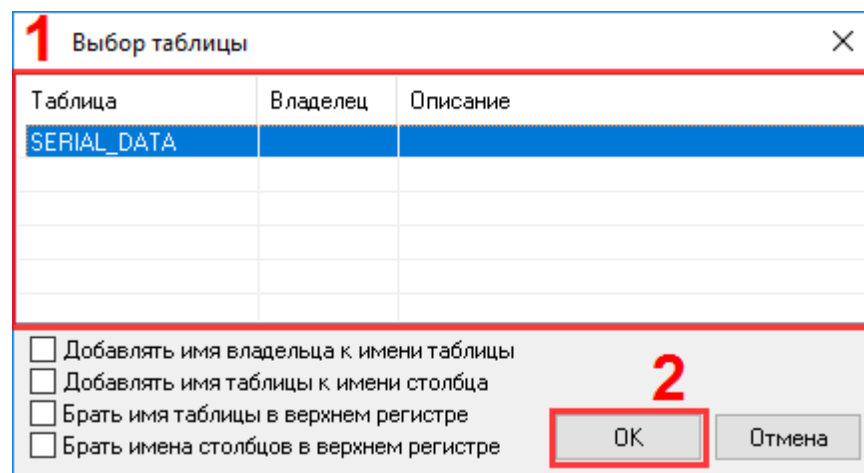
5.6

ANSI SQL92,
 (a-z, A-Z), (_).
 ANSI SQL : NUMBER, DATE, TIME, STRING,
 SELECT, SUM, MIN, MAX, _____.

1. " (.1). ,
 (.2). "OK". ,



.1



.2

2.

ODBC

DEFAULT

.
,
NULL.
NULL

5.7

ODBC

-
- Microsoft Excel, Microsoft Excel "!",
- Microsoft Excel, Microsoft Excel "\$".
- Microsoft Excel 3.0 4.0. Microsoft Excel, < _ > < _ >
- Microsoft Excel 5.0, 7.0, 97. dBASE, ASCII 127
- Microsoft Access, 64
- dBASE, Microsoft Excel 3.0 4.0, Paradox, Text, MS-DOS CON, AUX, LPT1, LPT2
- (,)
- Microsoft Access Microsoft Excel, ().
- Paradox, 64 , - 25 Text, - 64
- dBASE, ASCII 127
- Microsoft Excel, "!" "\$", "!"
- (). "!" "\$", "!" ODBC, Microsoft Excel (())
- () , "Col1"
- Text, F1, - F2, . . .

" _____

" ' , ' ,
 .
 • ' , 64
 , ' ,
 : \ | # * ? [] . ! \$.
 " "

5.8

-A
 ADD
 ALL
 Alphanumeric
 ALTER
 AND
 ANY
 Application
 AS
 ASC
 Assistant
 AUTOINCREMENT
 Avg
 -B
 BETWEEN
 BINARY
 BIT
 BOOLEAN
 BY
 BYTE
 -C
 CHAR, CHARACTER
 COLUMN
 CompactDatabase
 CONSTRAINT
 Container
 Count
 COUNTER
 CREATE
 CreateDatabase
 CreateField
 CreateGroup
 CreateIndex
 CreateObject
 CreateProperty
 CreateRelation
 CreateTableDef
 CreateUser

CreateWorkspace
CURRENCY
CurrentUser
-D
DATABASE
DATE
DATETIME
DELETE
DESC
Description
DISALLOW
DISTINCT
DISTINCTROW
Document
DOUBLE
DROP
-E
Echo
Else
End
Eqv
Error
EXISTS
Exit
-F
FALSE
Field, Fields
FillCache
FLOAT, FLOAT4, FLOAT8
FOREIGN
Form, Forms
FROM
Full
FUNCTION
-G
GENERAL
GetObject
GetOption
GotoPage
GROUP
GROUP BY
GUID
-H
HAVING
-I
Idle
IEEEDOUBLE, IEEESINGLE
If
IGNORE
Imp
IN
INDEX
Index, Indexes
INNER
INSERT
InsertText

INT, INTEGER, INTEGER1, INTEGER2, INTEGER4
INTO
IS
-J JOIN
-K KEY
-L LastModified
LEFT
Level
Like
LOGICAL, LOGICAL1
LONG, LONGBINARY, LONGTEXT

-M Macro
Match
Max, Min, Mod
MEMO
Module
MONEY
Move
-N NAME
NewPassword
NO
Not
Note
NULL
NUMBER, NUMERIC
-O Object
OLEOBJECT
OFF
ON
OpenRecordset
OPTION
OR
ORDER
Orientation
Outer
OWNERACCESS
-P Parameter
PARAMETERS
Partial
PERCENT
PIVOT
PRIMARY
PROCEDURE
Property
-Q Queries
Query
Quit

-R
REAL
Recalc
Recordset
REFERENCES
Refresh
RefreshLink
RegisterDatabase
Relation
Repaint
RepairDatabase
Report
Reports
Requery
RIGHT

-S
SCREEN
SECTION
SELECT
SET
SetFocus
SetOption
SHORT
SINGLE
SMALLINT
SOME
SQL
StDev, StDevP
STRING
Sum

-T
TABLE
TableDef, TableDefs
TableID
TEXT
TIME, TIMESTAMP
TOP
TRANSFORM
TRUE
Type

-U
UNION
UNIQUE
UPDATE
USER

-V
VALUE
VALUES
Var, VarP
VARBINARY, VARCHAR

-W
WHERE
WITH
Workspace

-X
Xor

-Y
Year
YES
YESNO

6

?

6.1

" - ,
"Plugins"

() -

%s [%s] -

(%s) -

%s. (%s) -

%s. (%s) -

(,).

support@aggsoft.ru.

"%S"