



USB HID Logger

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| 1 | | 1 |
| 1 | | 1 |
| 2 | , | 1 |
| 1 | | 1 |
| 2 | | 2 |
| 3 | | 3 |
| 4 | | 3 |
| 3 | | 4 |
| 1 | | 4 |
| 2 | | 4 |
| 4 | | 4 |
| 1 | | 4 |
| 2 | | 6 |
| 3 | | 7 |
| 4 | | 8 |
| 5 | | 8 |
| 5 | | 9 |
| 1 | USB HID | 9 |
| | USB | 9 |
| | HID | 10 |
| | | 11 |
| 2 | | 11 |
| | | 11 |
| | | 13 |
| | | 15 |
| 3 | - | 16 |
| | - | 16 |
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| | | 21 |
| 4 | | 22 |
| | | 22 |
| | OPC | 25 |
| 5 | | 30 |
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| | | 32 |
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| | | |
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| | | II |
| | Windows 2000 | 34 |
| | | 34 |
| | Windows Vista | 37 |
| | | 38 |
| 6 | ? | 39 |
| 1 | | 39 |

1

1.1

ASCII - ASCII -
 , . Windows ,
 ASCII. ASCII * .TXT (,
 README.TXT).

Binary File - ,
 ASCII (0 255). ,

Bytes () - , , .

Bit () - : 0 1. 8
 8 () .

Cable () - , .

Internet () - , TCP/IP .

PC () - Personal Computer () .

Ports () - .

Protocol () - .

(Log file) - , , (. log) —

2

2.1

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1. USB HID Logger

2.

3. USB HID Logger

4.

5. USB HID Logger
sales@aggsoft.ru

6. USB HID Logger

USB HID Logger

7. **USB HID Logger** "AS IS".

8.

9. USB HID Logger

10.

USB HID Logger
USB HID Logger.

2.2

shareware-

- 21 ;
- ;
- 100 ;

2.3

shareware-

Internet, 

2.4

| | |
|----------------|--|
| USB HID Logger | support@aggsoft.ru |
| | support@aggsoft.ru |
| | sales@aggsoft.ru |

3

3.1

- Windows 2000 Professional SP 4;
- Windows 2000 Server;
- Windows XP x86 x64;
- Windows 2003 Server x86 x64;
- Windows Vista () x86 x64.
- Windows 7 () x86 x64.
- Windows 2008 Server () x86 x64.
- Windows 8 () x86 x64.

3.2

USB HID Logger.

, USB HID Logger

"\Programs Files\USB HID Logger"

USB HID Logger

4

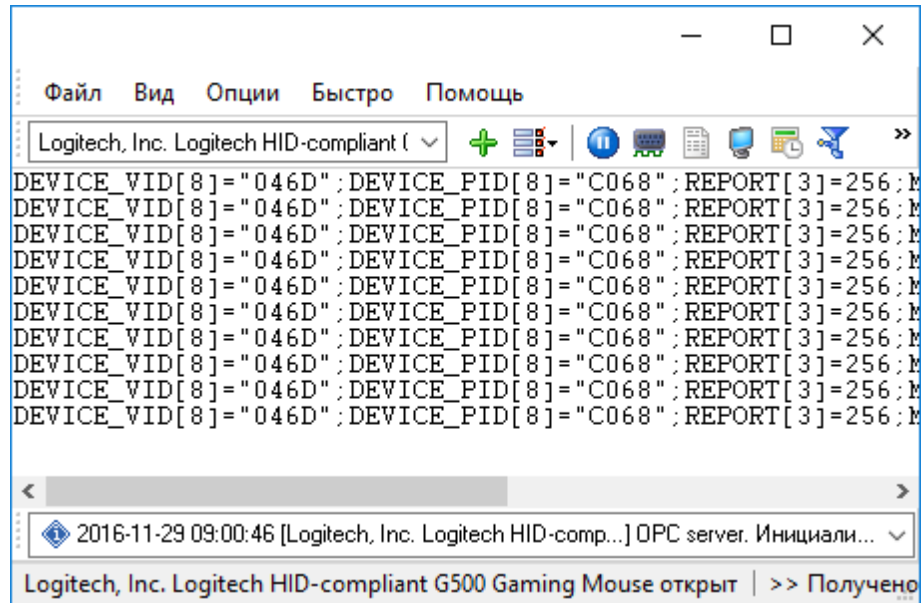
4.1

USB HID Logger

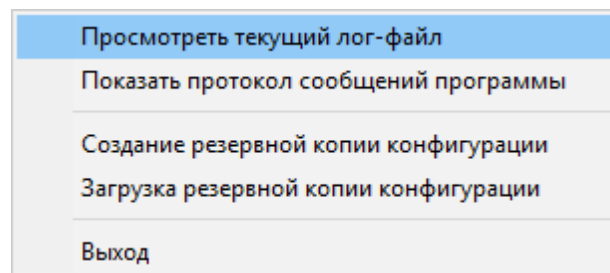
USB HID Logger " ".

(. 1.1.1),

1.1.2) _____ (" - ..."), " "



. 1.1.1.



. 1.1.2.

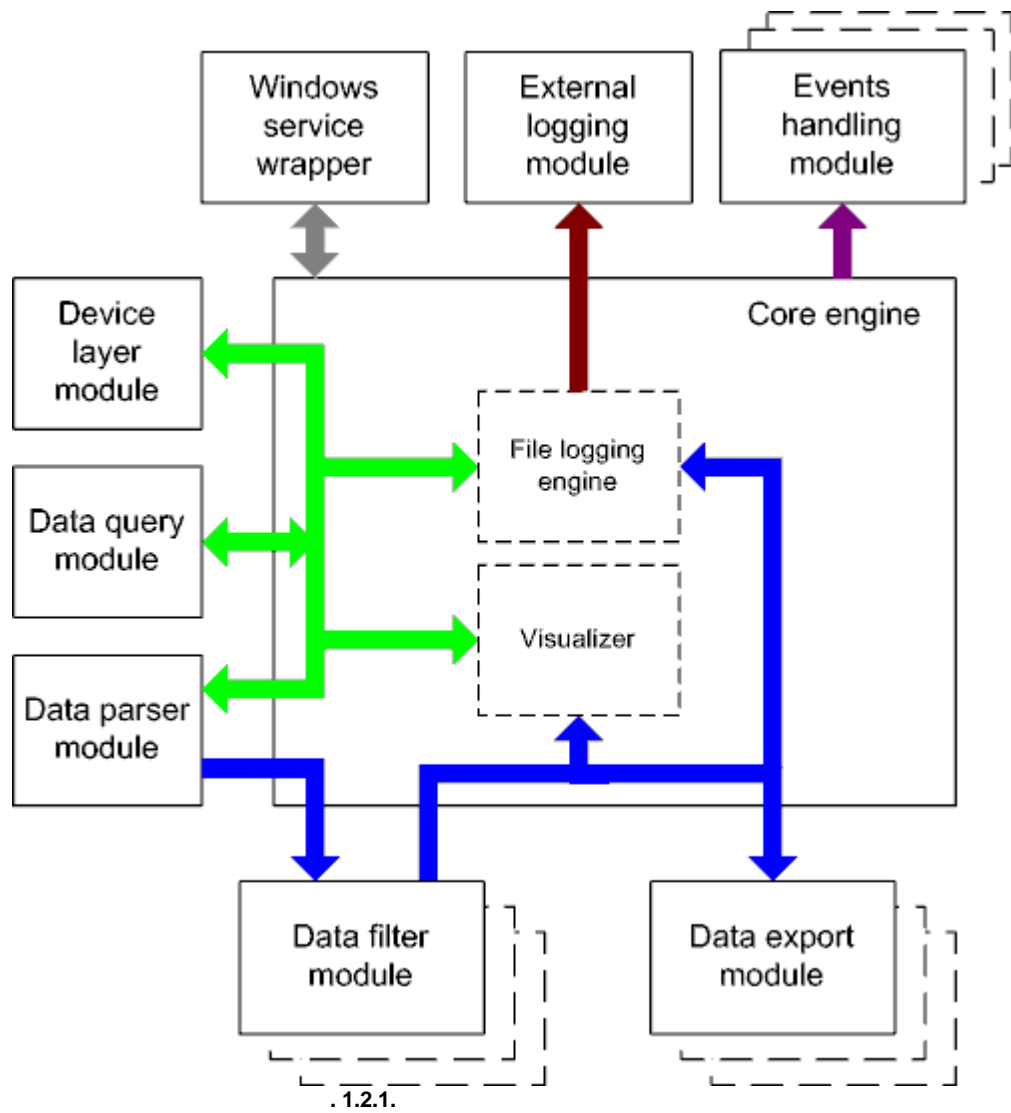
C:\. _____

1-2-3-4

1.

2.

4.3



- Core engine -

- Device layer module -
- Data query module -
- Data parser module -
- Data filter module -
- Data export module -
- Visualizer -
- File logging engine -
- Windows service wrapper -
- External logging module -
- Events handling module -

4.4

Windows.

4.5

1.

2.

1.

2.

regedit.exe

Windows x64

HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\AGG Software\USB HID Logger

Windows x32

HKEY_LOCAL_MACHINE\SOFTWARE\AGG Software\USB HID Logger

3.

Ctrl+S -
 Ctrl+D -
 Ctrl+P -
 Ctrl+L -
 Ctrl+R -
 Ctrl+E -

Windows;

Ctrl+M -

4.

.. -

5.

INI

" "

6.

10

5

5.1

USB HID

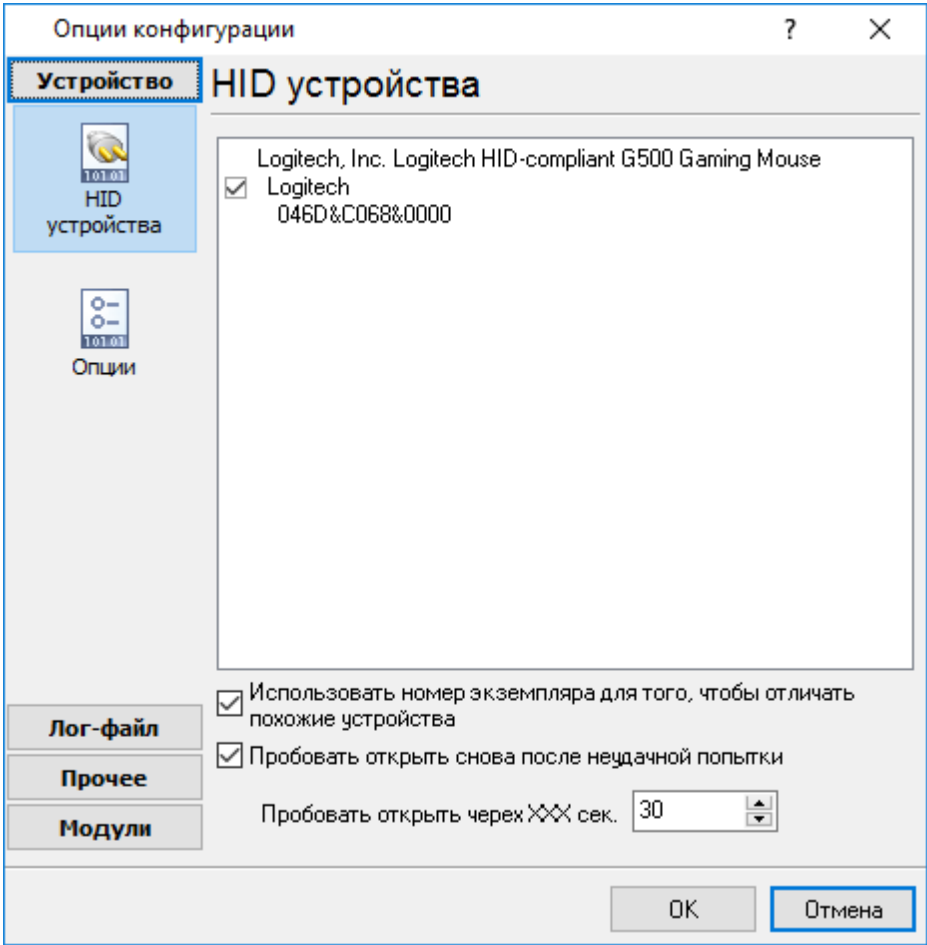
5.1.1

USB

HID

USB

HID



.1 HID

USB
HID
HID

HID

5.1.2

HID

USB

USB

HID reports.

VID PID -

HID

USB
USB

(RAW)

USB

5.1.3

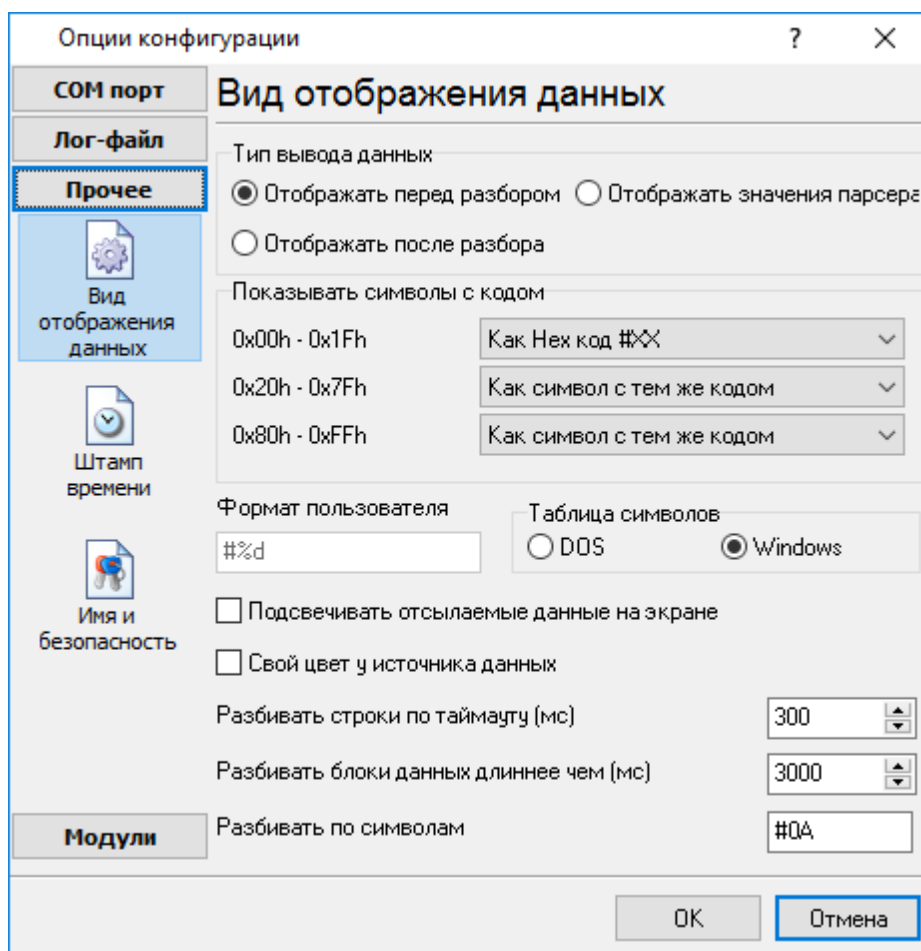
[USB HID](#);
[USB HID MS SQL \(- \)](#);
[USB HID MS SQL \(\)](#);
[USB HID MySQL](#);
[USB HID Excel](#).

5.2

5.2.1

3.1.1): ([.1.1.1](#)⁴) 2 (

- 1.
- 2.



. 3.1.1.

" (. 3.1.1)

Hex-

,%d

,%x -

: Windows DOS

(OEM).

0,

0,

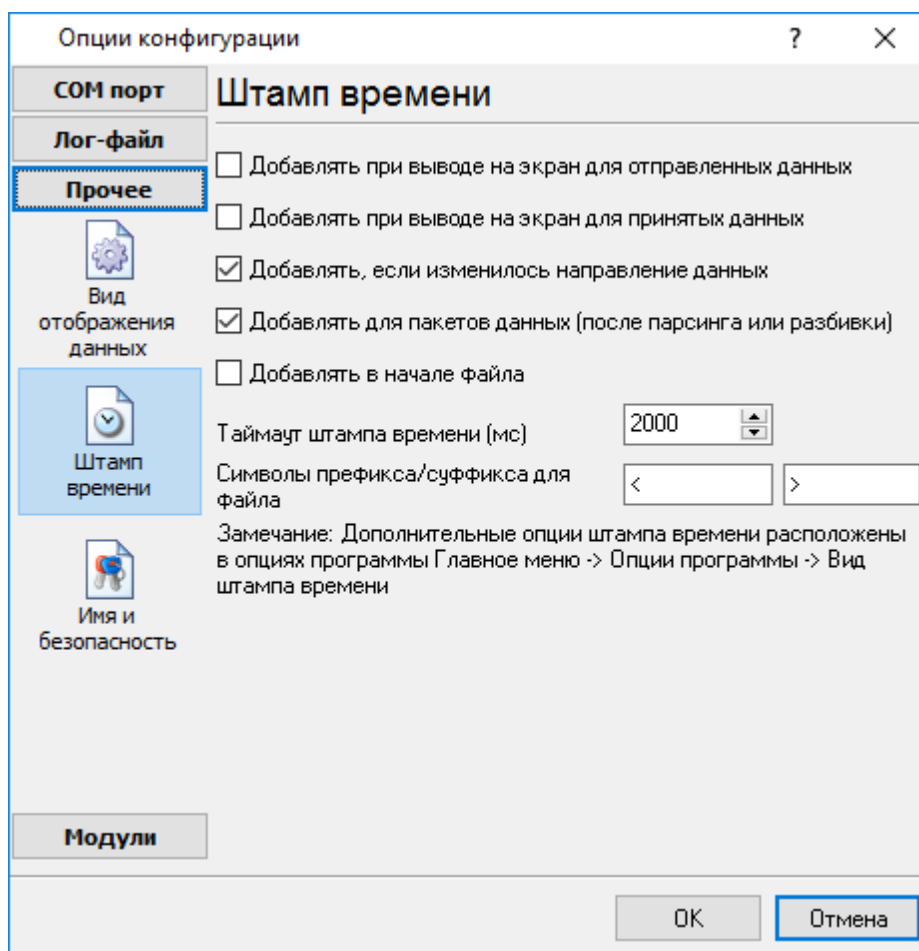
. 3.1.1

5.2.2

(. 3.2.1)

()

 32.



. 3.2.1.

. :>#0D#0A

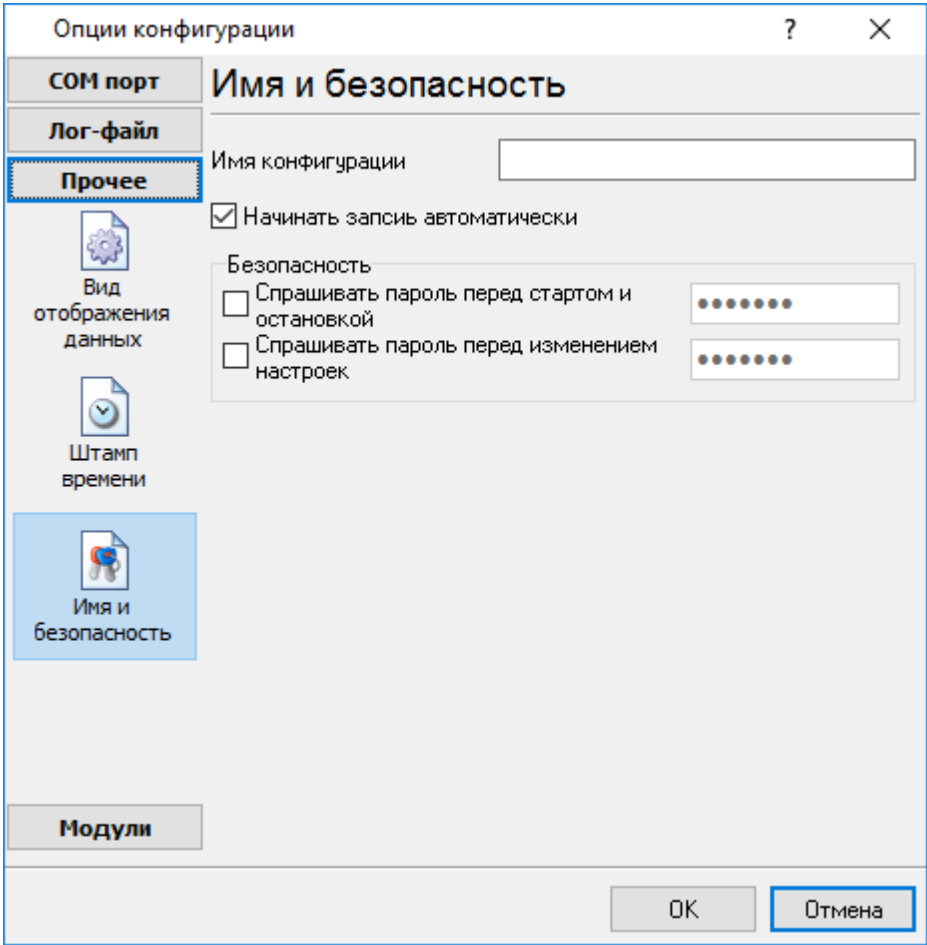
5.2.3

(. 3.3.1) :

-

38

" / "

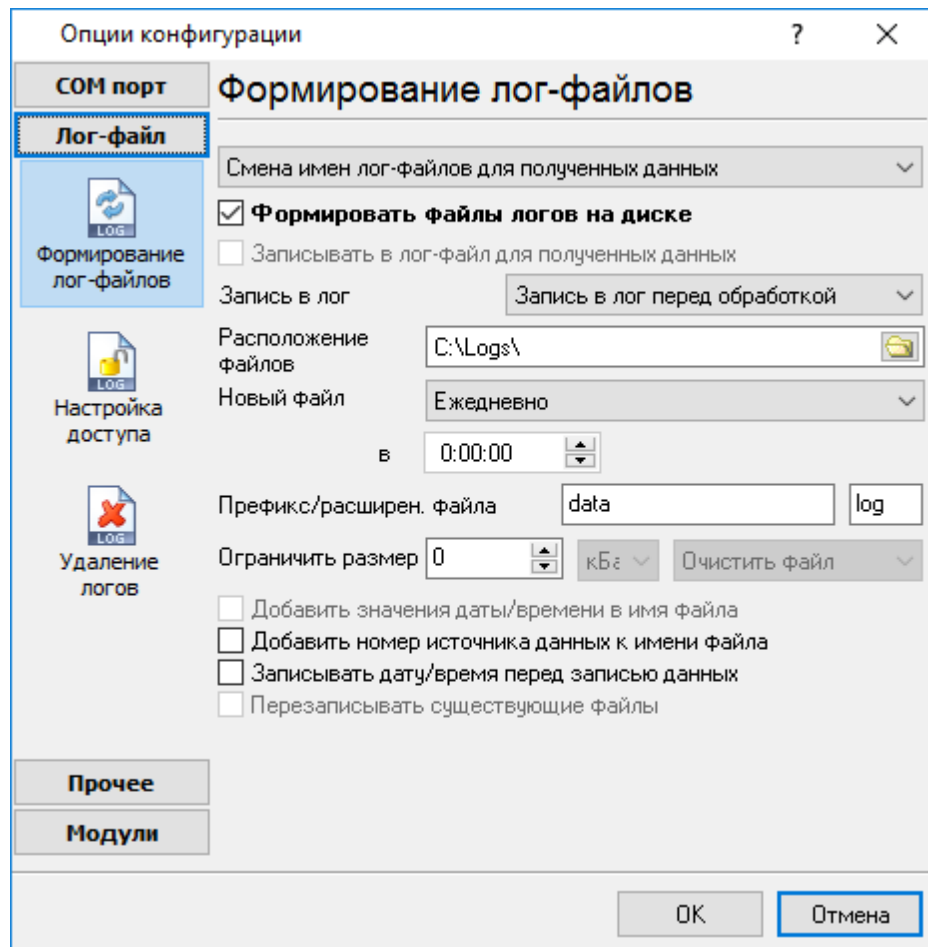


. 3.3.1.

5.3 -

5.3.1 -

(. 4.1.1).



. 4.1.1.

"OK".

USB HID Logger

"sample",

"log ",

"log". 21- " 2003 - "sampleYYYYMMDD.
"sample20030321.log".

().
:
" " :

1. - , .
DDMMYYYY, DD - , MM -
YYYY - ;
2. - .
MMYYYY;

3. -
YYYYMMDD;

4. -
: sample00000001.log.

5. - ;
6. - .
WWYYYY, WW -

, YYYY -
;

7. - ;
8. - .
HHDDMMYYYY;

9. - -
- -

, .
:

d - , (1 - 31);
dd - , (01 - 31);
ddd - (-) ,

dddd - (-)
;

m - , (1 - 12);
mm - , (01 - 12);
mmm - (-) ,

mmmm - (-) ,
;

yy - (00 - 99);
yyyy - (0000 - 9999);
h - , (0 - 23);

```

hh - , (00 - 23);
n - , (0 - 59);
nn - , (00 - 59);
s - , (0 - 59);
ss - , (00-59).

```

```

: "sample_log", "txt".
: = sample_log_, = txt ( !).
HHDDMMYYYY.

```

4 7

sample20030321.log.

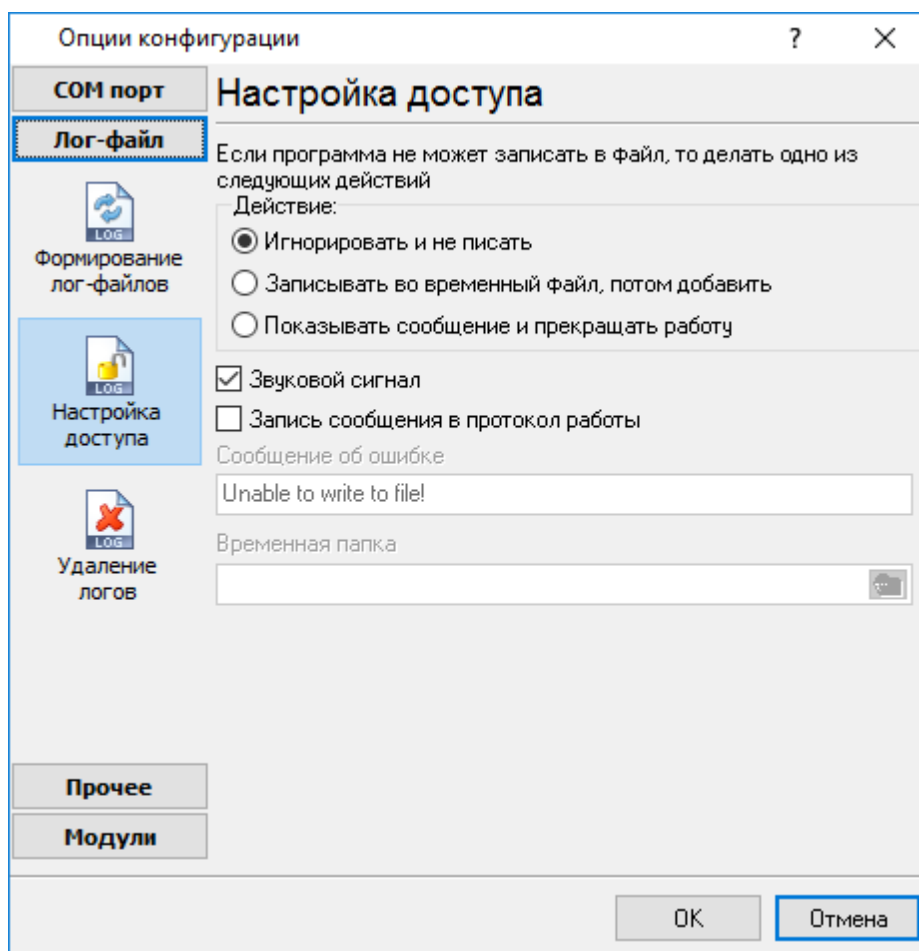
, COM1-

4 7.

1. - !
2. -
3. () -
4. ().

5.3.2

Microsoft Office (, Microsoft Word),
 USB HID Logger



. 4.2.1.

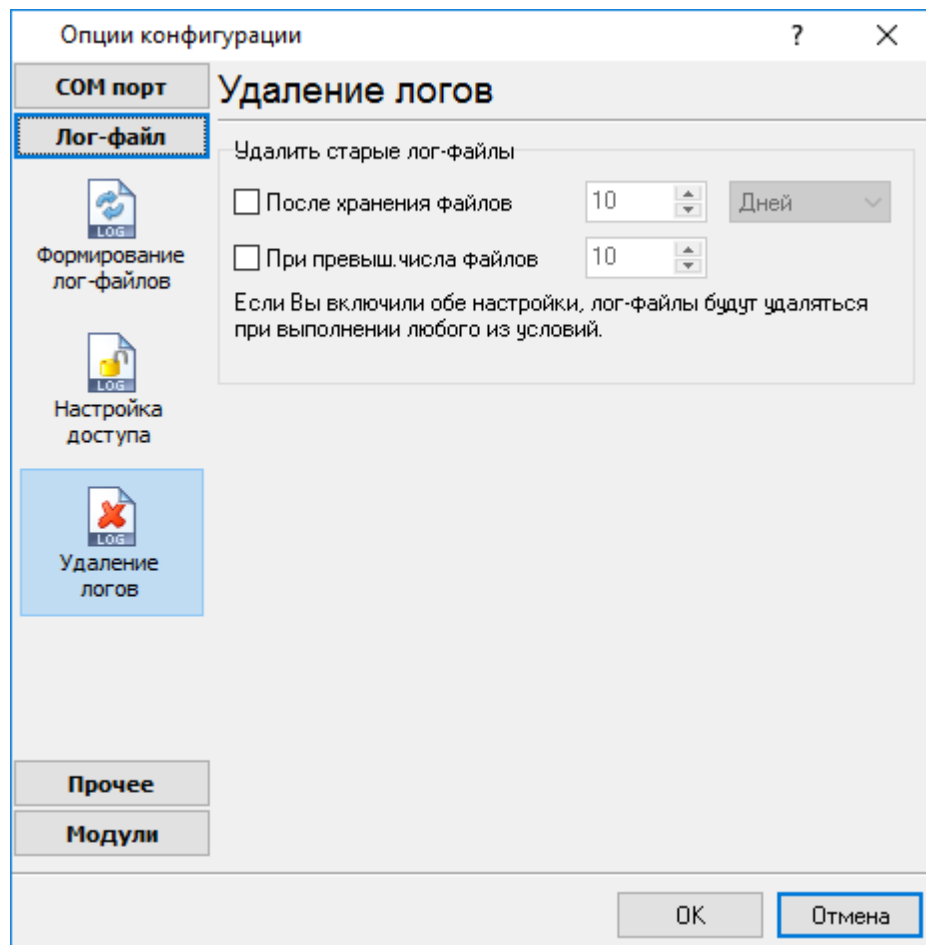
USB HID Logger

4.2.1),

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-
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5.3.3

(рис. 4.3.1).



. 4.3.1.

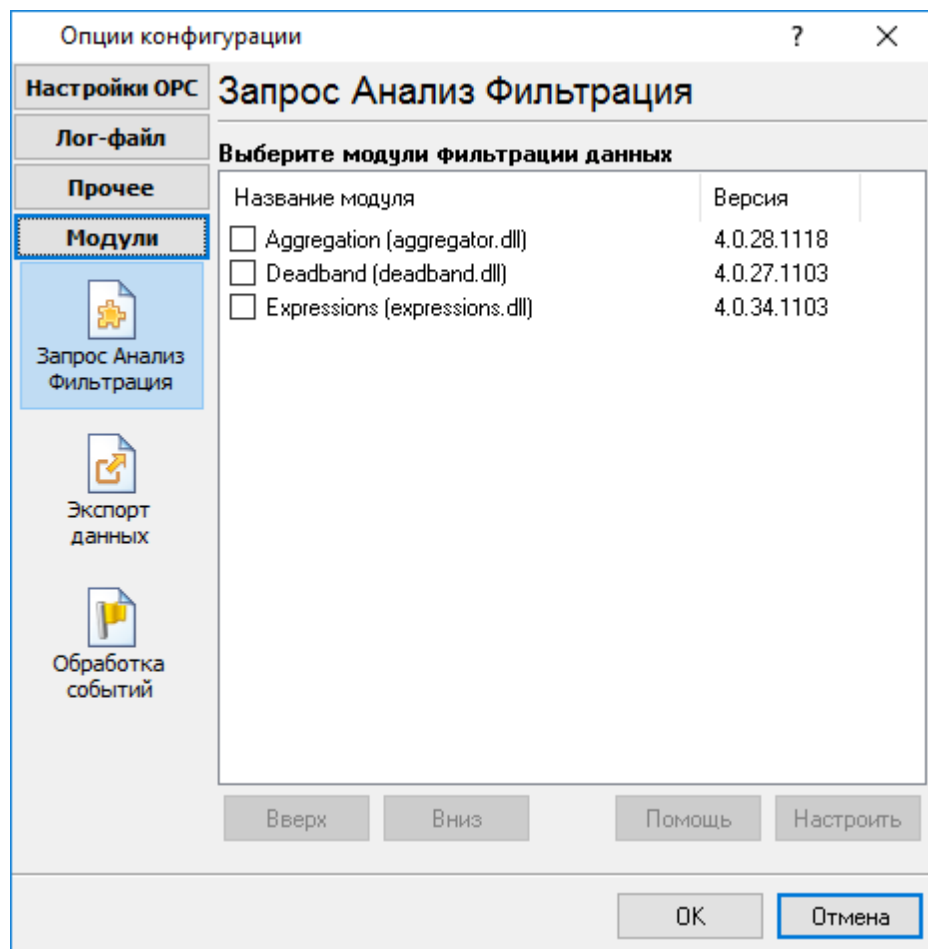
5.4

5.4.1

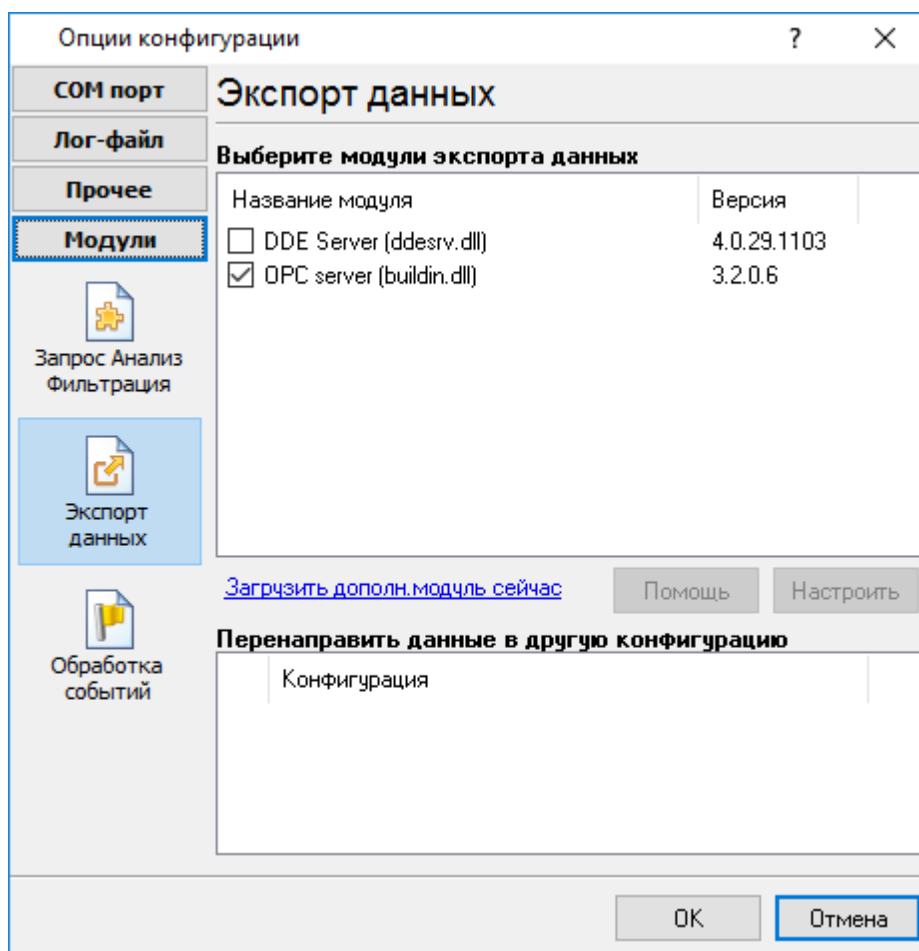
, (,) , " " (. 5.1.1 - 5.1.3).

USB HID Logger :

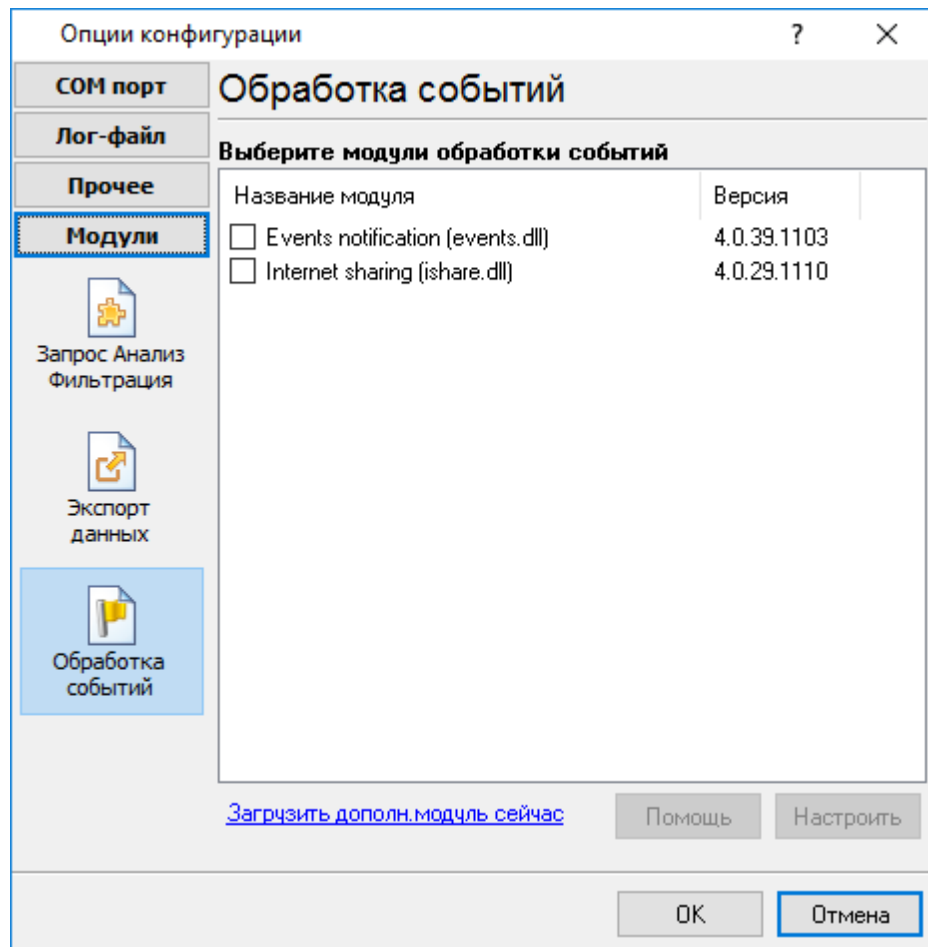
- - ;
- - , Excel ;
- (. 5.1.3) - USB HID Logger. , " - " " , " . , . . .



. 5.1.1.



. 5.1.2.



. 5.1.3.

"OK".

5.4.2 OPC

USB HID Logger

OPC OPC.

USB HID Logger

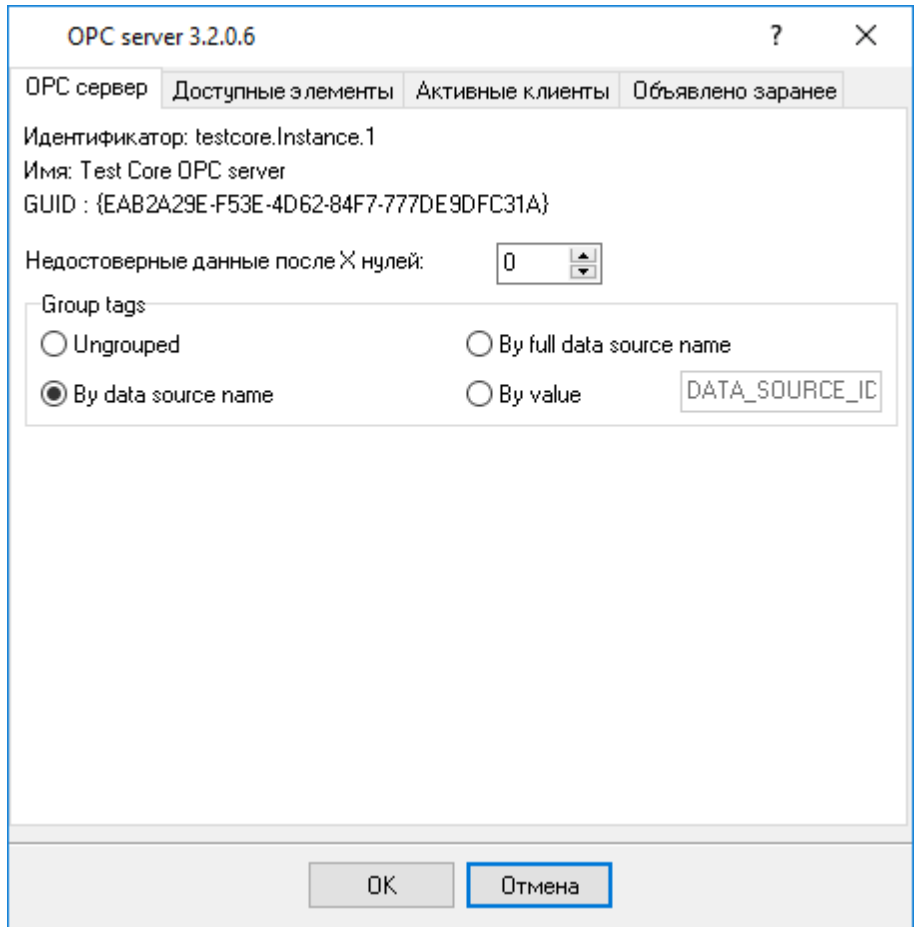
(. 5.2.1).

OPC

OPC Core Components Redistributable (www.opcfoundation.org)

OPC

OPC



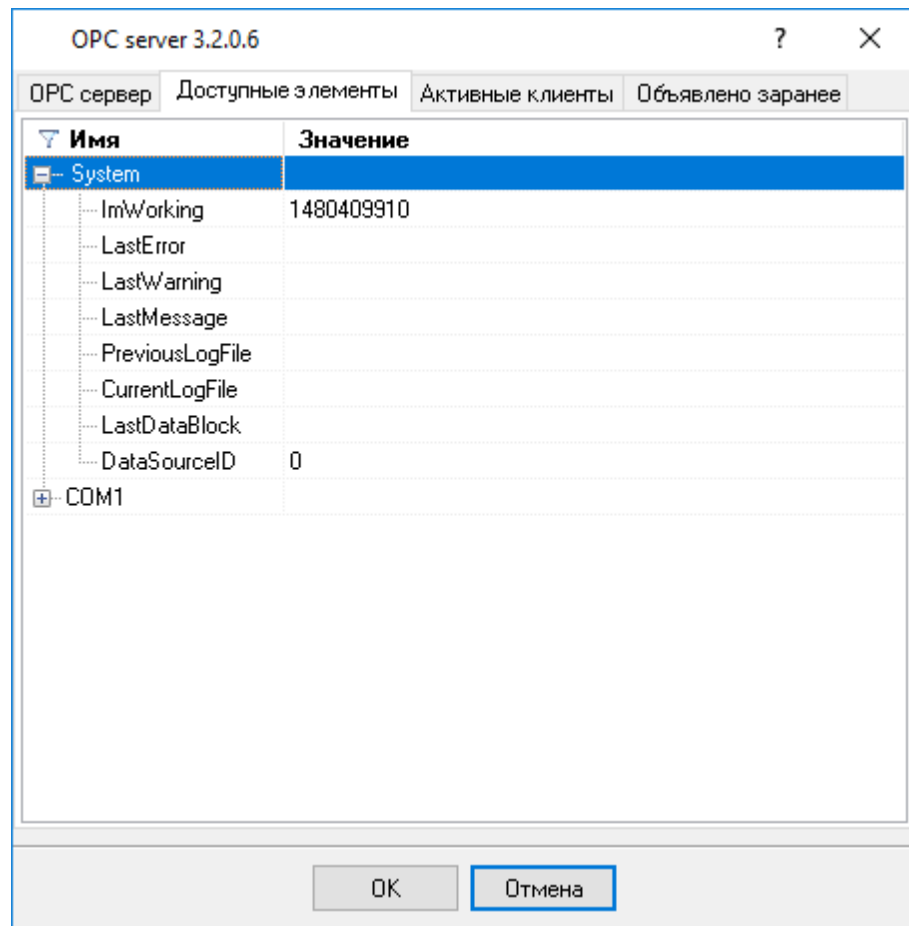
5.2.1. OPC

USB HID Logger,

OPC

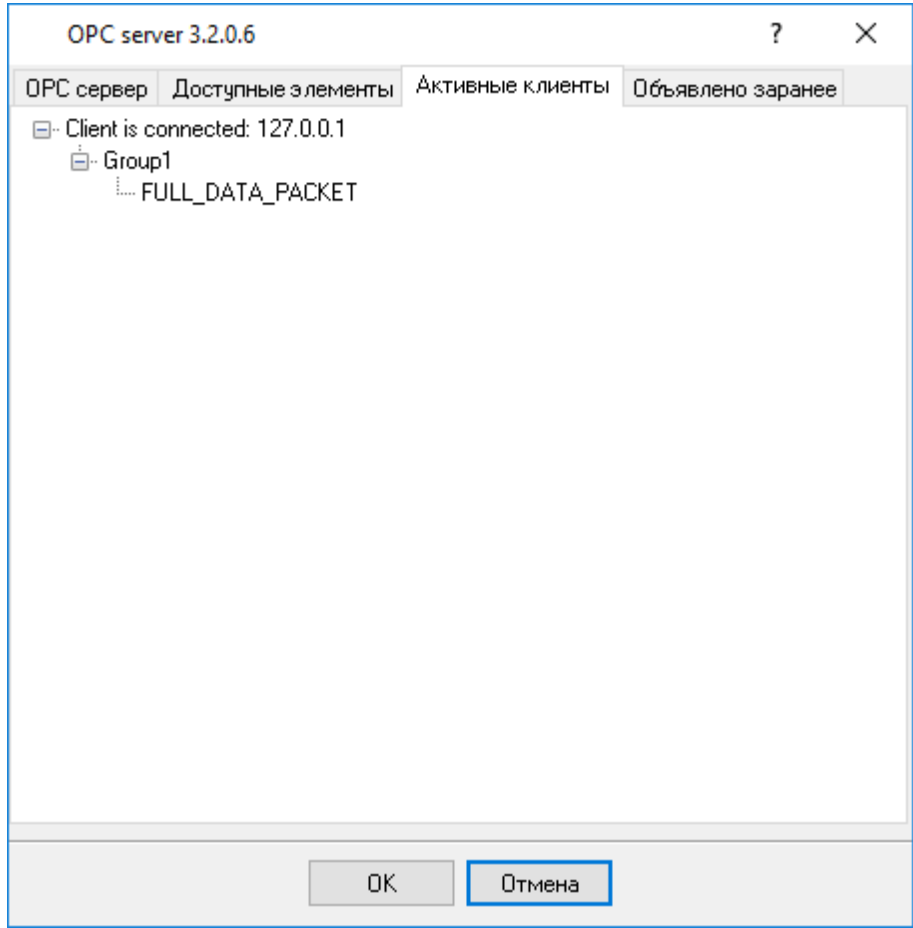
(.2).

OPC



. 5.2.2.

OPC



. 5.2.3.

USB HID Logger

"

". USB HID Logger

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OPC

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OPC

(.4).

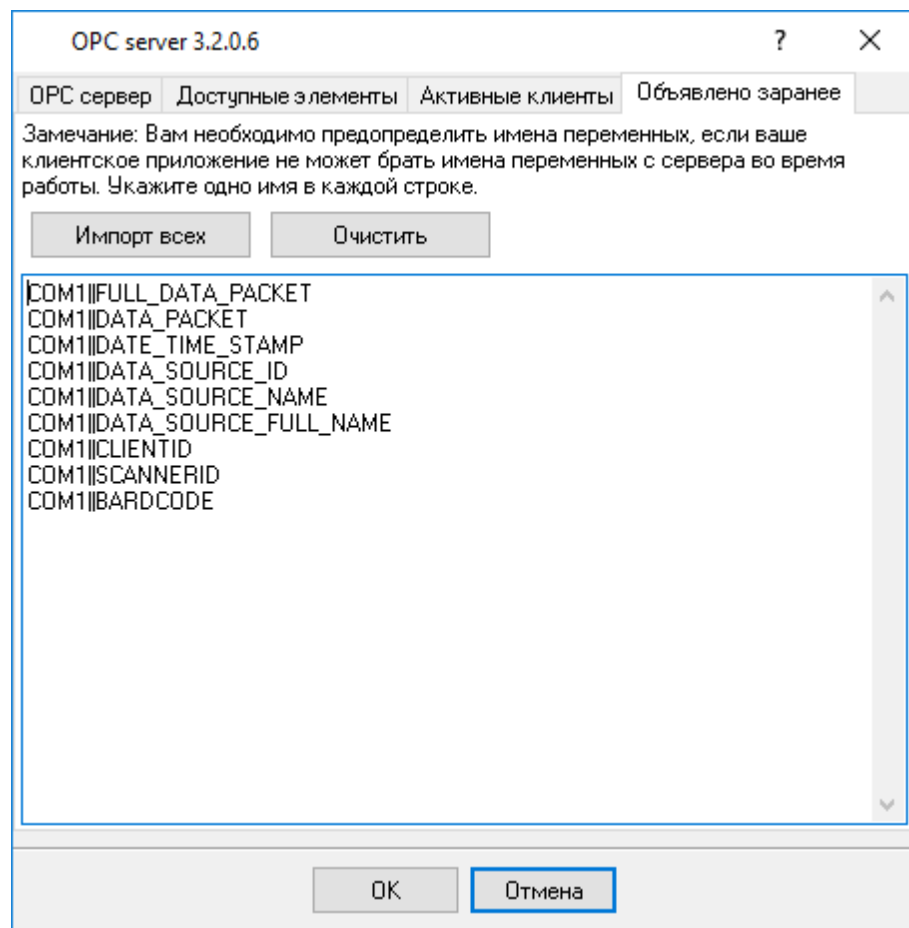
OPC

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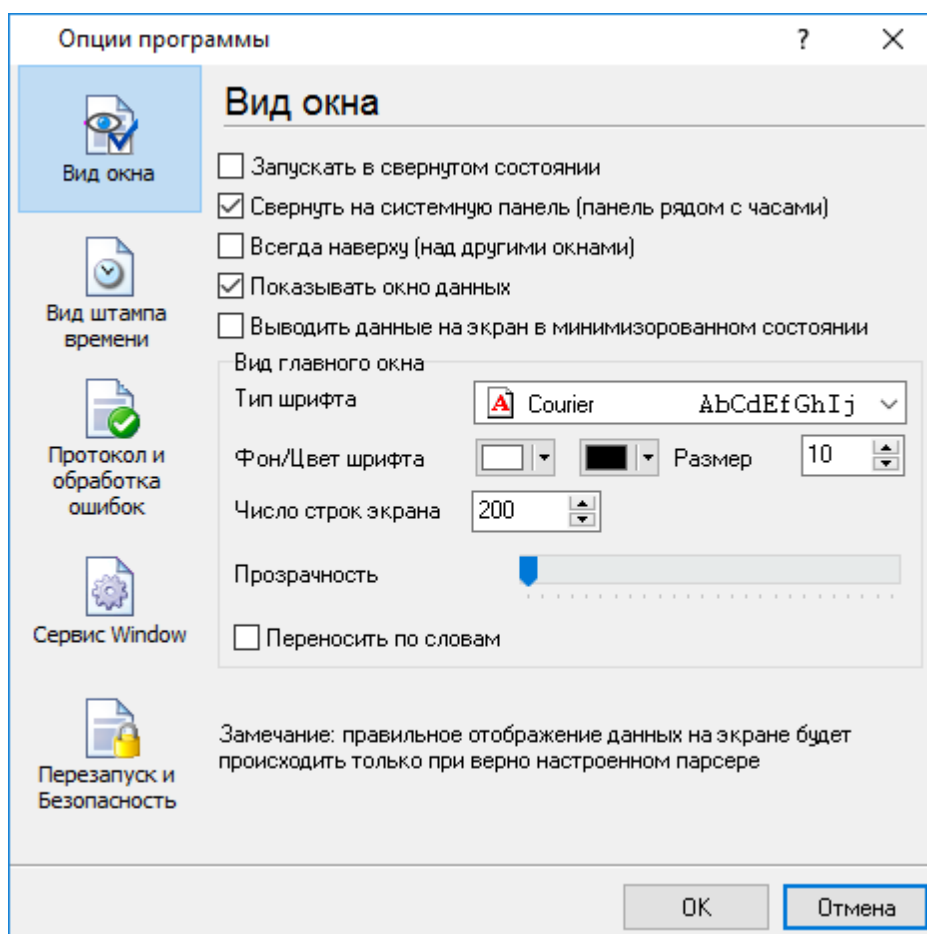
.



. 5.2.4.

5.5

5.5.1

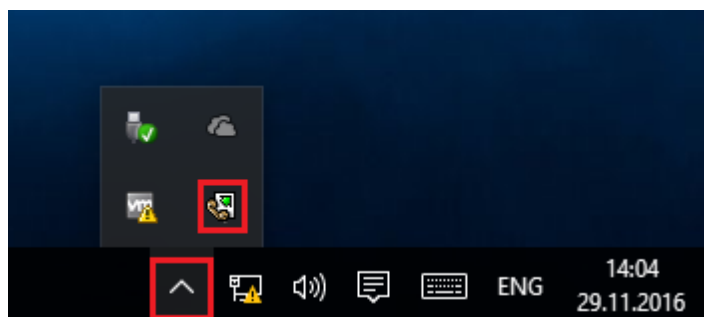


. 6.1.1.

" (. 6.1.1) :

- USB HID Logger

(. 6.1.2) ;



. 6.1.2.

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(. 6.1.2) -

USB HID Logger

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- Windows 2000

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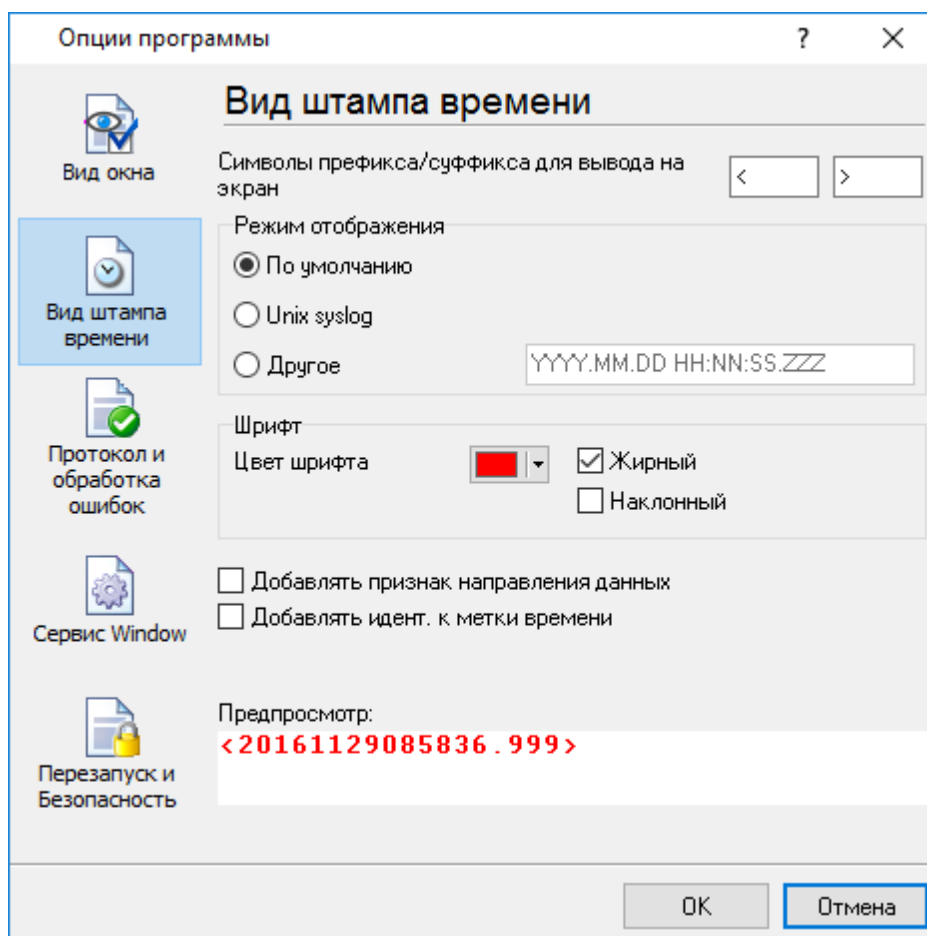
-

,

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5.5.2

(. 6.2.1)



. 6.2.1.

13

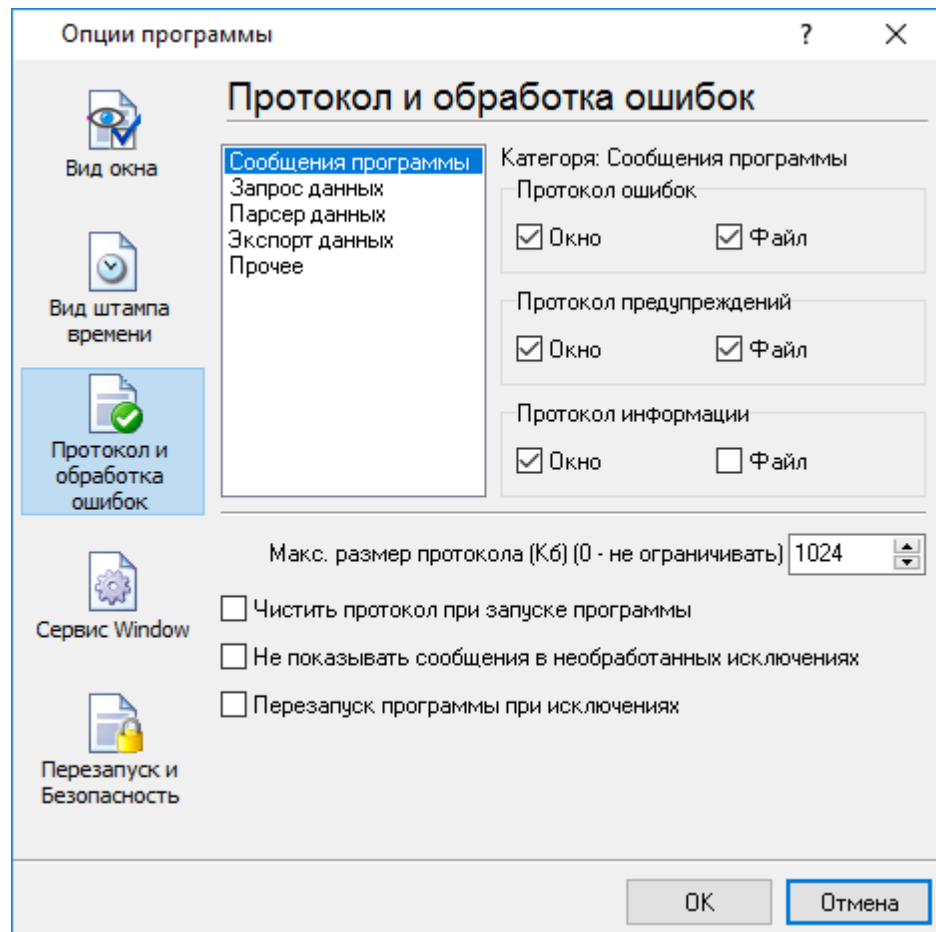
TX

RX

, COM1.

5.5.3

.log.

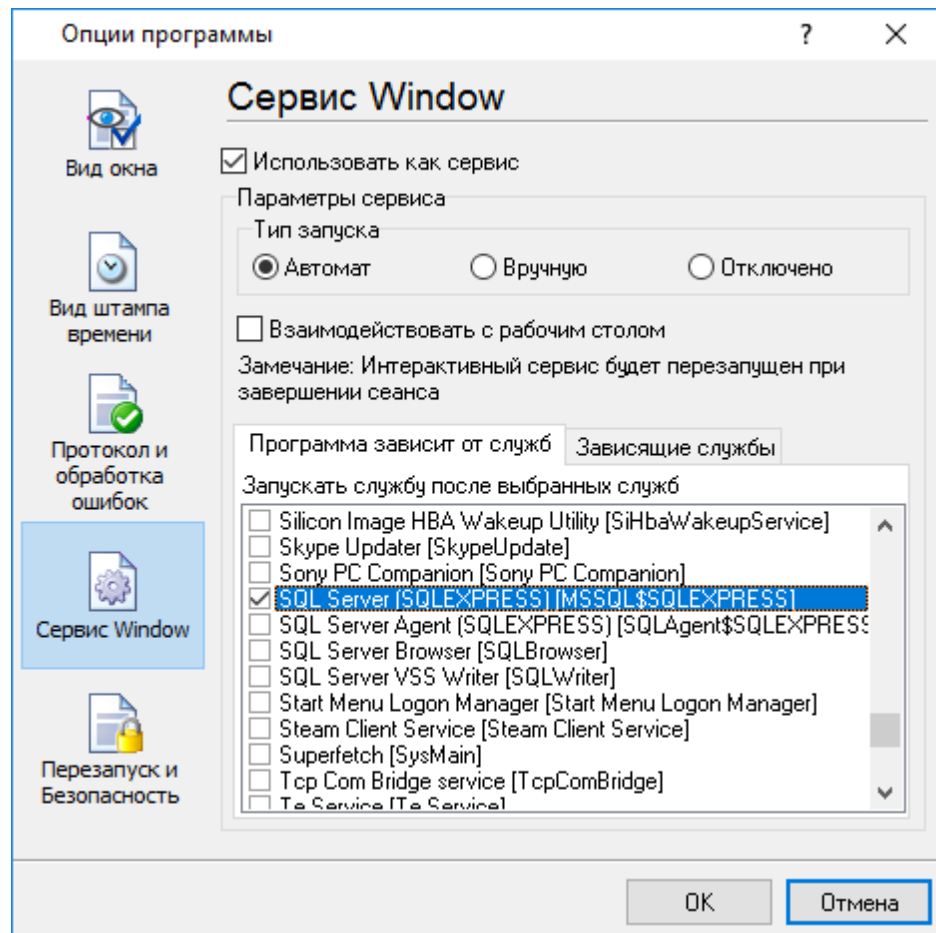


. 6.3.1.

USB HID Logger

3-

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. 6.4.1.

1. - ; Windows
 2. - " " ;
 3. - .
- " .
- (. 6.4.2).
- " , . . Windows

: _____ [37] Windows Vista .



. 6.4.2

USB HID Logger,

"

" (. 6.4.1)

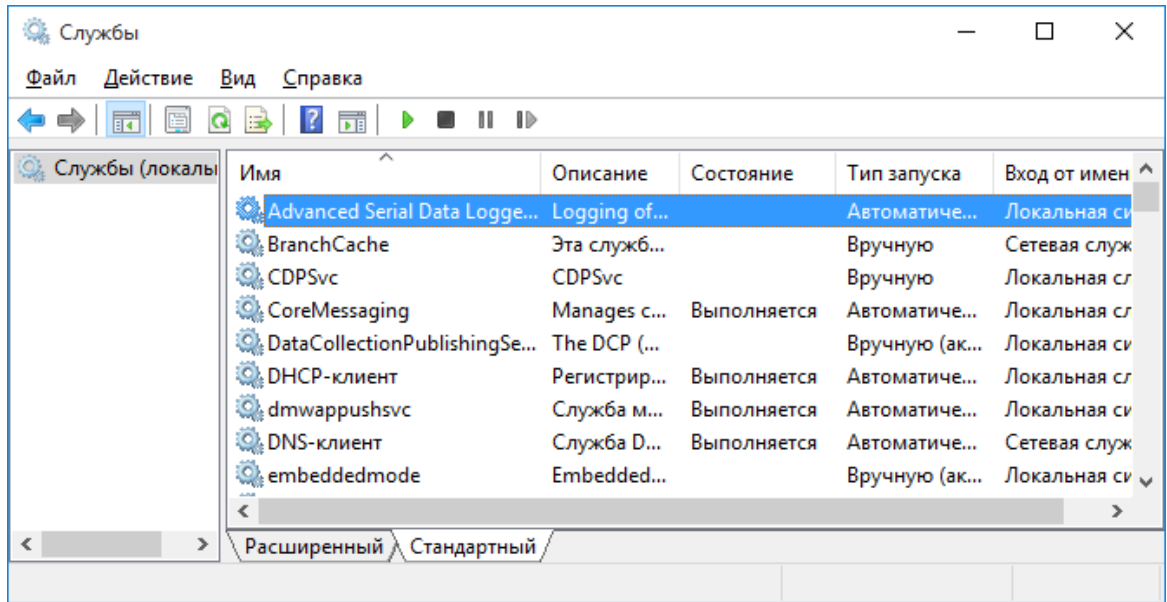
,

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"

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(. 6.4.3).



. 6.4.3.

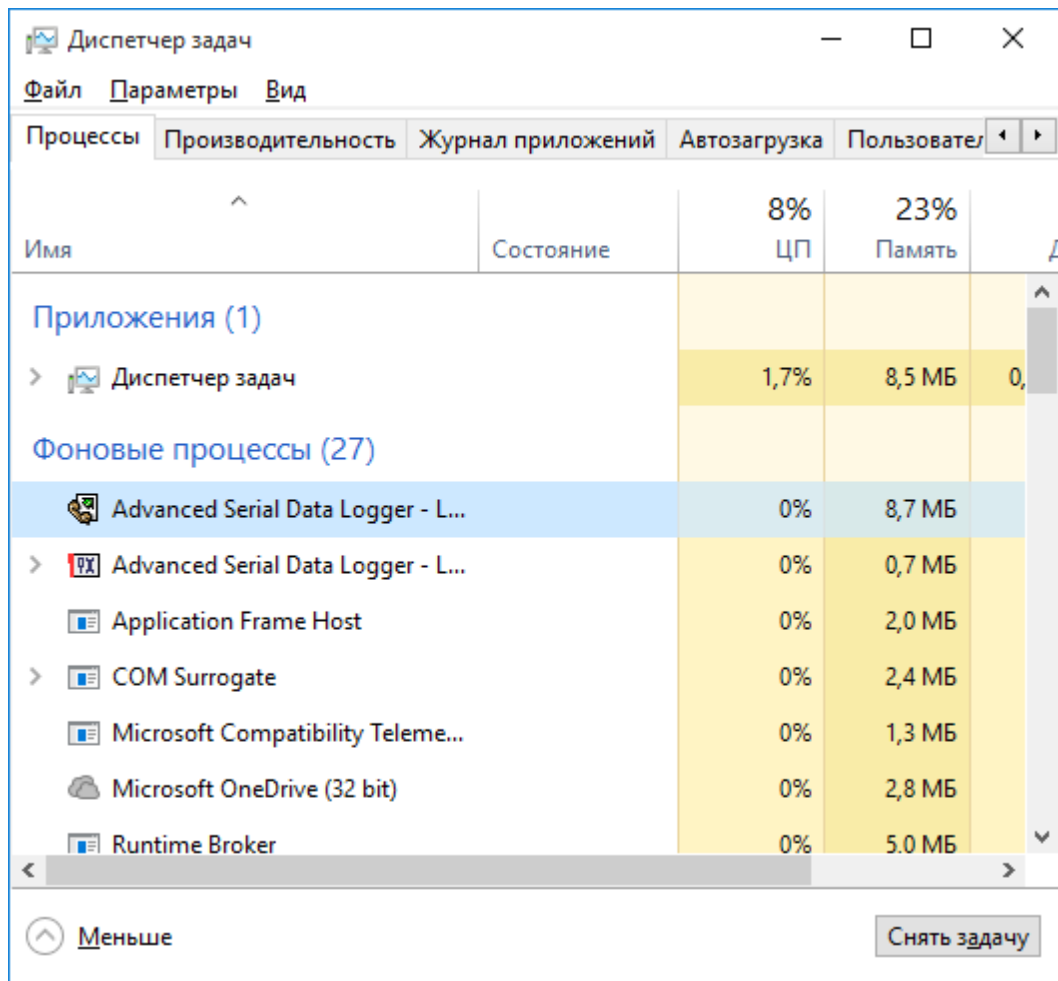
(Windows 2000)

exe (. 6.4.4).

USB HID Logger
USB HID Logger,
svany.exe

2

- usbloggersrv.exe uslogger.



. 6.4.4.

usbloggersrv.exe

- /? - ;
- /I - ;
- /A - ;
- /D - ;
- /R -

5.5.4.2

Windows Vista

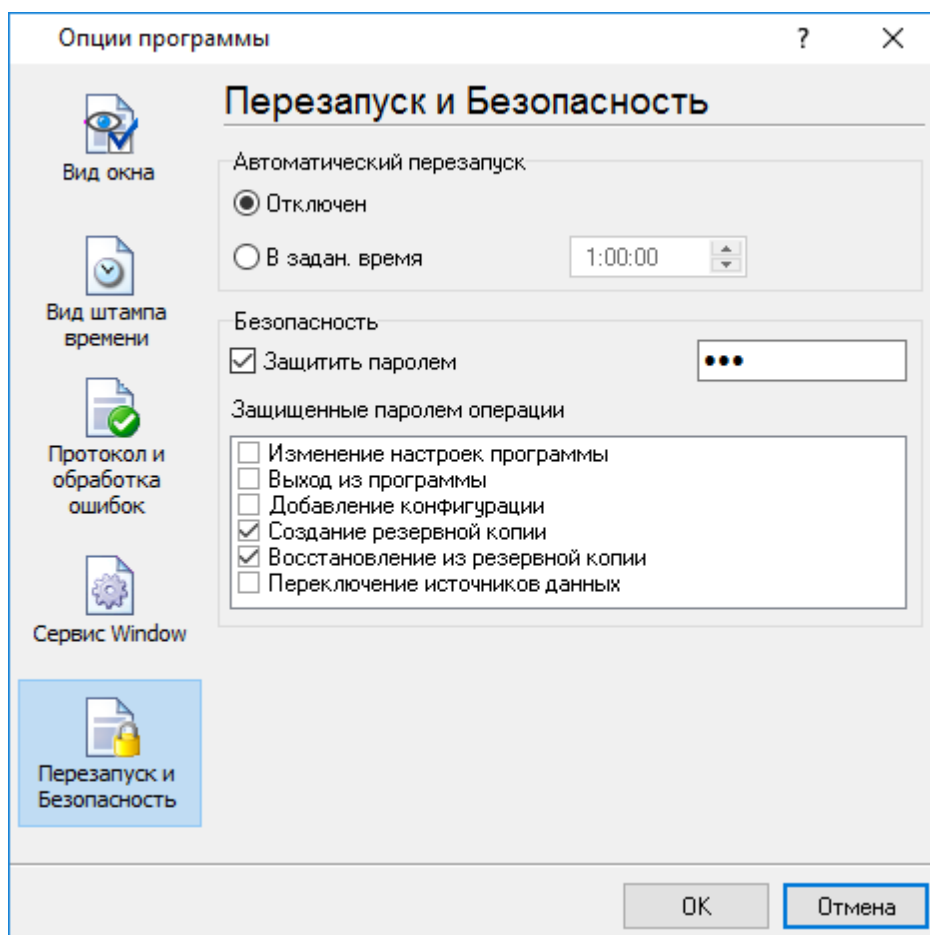
Windows Vista

Windows.

- : Interactive Services Detection
 - : UIODetect
 - : UIODetect.exe
 - :
 - : %windir%\system32\UIODetect.exe
 - :
- * Home Basic:
 - * Home Premium:
 - * Business:
 - * Enterprise:
 - * Ultimate:

5.5.5

(. 6.5.1).



. 6.5.1.

6

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6.1

SoftIce

support@aggsoft.ru.