TSnd application for sendimg messages from WinSC via Telegram messenger.

1.General.

TSnd application is made for sending alarm and information messages from WinSC, as they are received, to clients or/and technical staff via popular messenger Telegram.

As well as similar applications for messages sending via E-Mail (MSnd) and SMS (SMSTcp), TSnd is the separate application, that obtains information from WinSC via buffer file: t.dat.

For activation this feature in WinSC you must start WinSC with parameter -t. Besides that, the Guardant code key must be updated for activation this feature. In case all conditions was observed, application TSnd will start automatically together with WinSC, as well as closing.

WinSC program supports this feature starting from version 5.0.2.94.

All messages, as well an errors, can be written to a special log file. For this purpose please create TSndLog folder in main program directory.

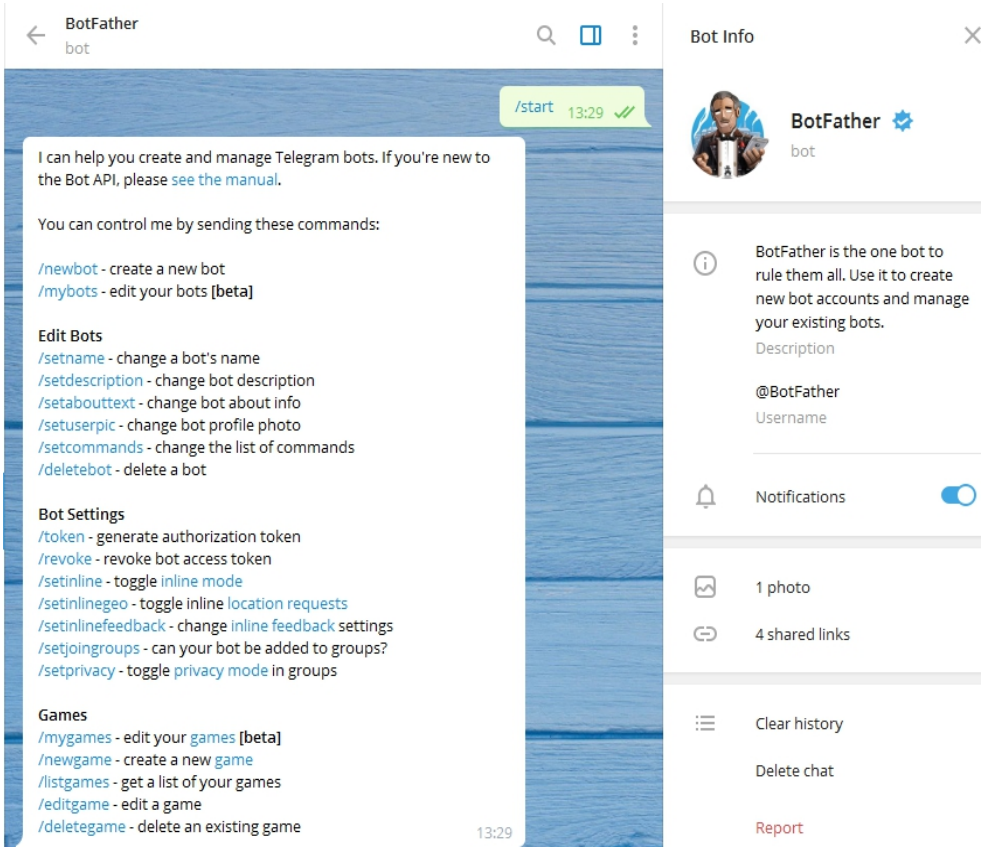
2. Installation and setup.

a) Telegram.

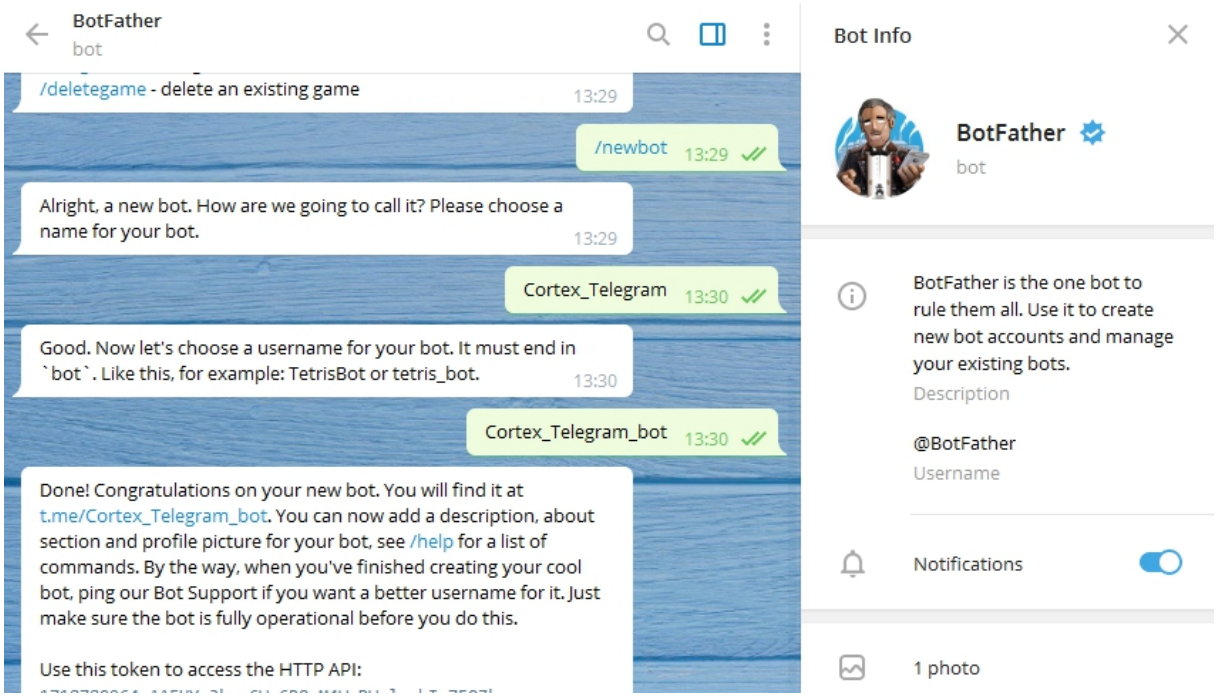
To start the service in operation you need to install Telegram messenger and create an account (it is possible to use existing account also). Telegram can be installed on Smartphone (from AppStore or Google Play), or on PC (not necessery on the same PC where WinSC is installed) from https://desktop.telegram.org/. Installation instructions and explanations how to create Telegram account you can find on the relevant resources.

After making the account, you need to create a bot through wich messages will be sent. To do this, you must to add to contact list a BotFather (username: @botfather). Through the chat with this BotFather you can create your own bots and control it.

Chat with BotFather must be started from command /start, in response to which it will give a list of supported commands with brief description.



To create a bot you need to enter command /newbot. In answer, system will offer you to enter bot's name, and if this name will satisfy the system, it will offer to choose a username for this bot. The username must be ended to “bot” or “_bot” . If username will be accepted by system, it give out an unique bot's identifier.

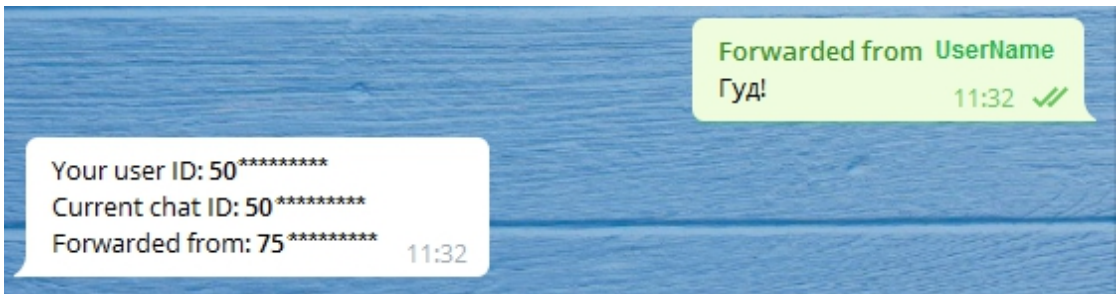


Bot's identifier looks like this:
12345678:AAHOjf*****ROYb03utz*********
This string you'll need to setup TSnd program.

b) Findind the User ID.

To send the message to client, you need to know client's user ID in Telegram system. To determine the User ID is the only way: to use a special bot. There is great number of such bots. The process of determining the User ID will be considered on the example of one of them: @getmyid_bot (Get My ID).

- Add the ”Get My Id” bot to contact list of Telegram account, where already presents bot you've created for message sending.
- Ask the client, you plan to send messages, to add to his telegram contact list the bot, you've created for message sending. This is necessary in any case to be able receive messages from bot.
- Ask the client to send any message to bot.
- Forward received from client message to “Get My Id” bot.
- After receiving it, the “Get My Id” bot will issue a message like:



The value ”Forwarded from” is the "User ID” we're interesting in. This value you'll be needed for message sending program in WinSC.

c) Setting up the TSnd.

For correct working of TSnd program you need in following files:
TSnd.exe

TSnd.ini
libeay32.dll
ssleay32.dll

This files must be placed in to the main program directory of WinSC.
For setting up the TSnd program, you need to edit TSnd.ini file by any text editor.
The content of the file has following format:

[Opt]
bot_key =

Insert the bot's identifier after the sign «=» (see section a)):

[Opt]
bot_key =12345678:AAHOjf*****ROYb03utz*********

After saving the changes in TSnd.ini file, program is ready to use.

d) Setting up the message sending in WinSC.

For activation this feature in WinSC you must start WinSC with parameter -t. Besides that, the Guardant code key must be updated for activation this feature. In case all conditions was observed, application TSnd will start automatically together with WinSC, as well as closing.

The process of setting up message sending via Telegram is the same as used for setting up one via E-mail and SMS, and described in details in WinSC manual SecurityCommanderForWindowsV5_x_en_Server or SecurityCommanderForWindowsV5_x_en_WS. The difference is the following: instead of E-mail address or phone number you must enter the client's User ID (see section b)) with prefix “t” :

