1 Introduction

In this document the installation of the signal bot for eToro is shown. To demonstrate the installation of the bot, a fresh installation on an Ubuntu computer is shown. The installation itself is not difficult. However, you need some information from other sources. This is described in the later chapters.

If you like my bot and it generates profit to you, please consider to support my efforts.

2 Installing the signal bot

Create a directory where you like to install the bot (in figure 1 the path is ~/bin/botlinuskoh)

```
$ mkdir -p /PATH/TO/YOUR/BOT
```

Change to that specific directory

```
$ cd /PATH/TO/YOUR/BOT
```

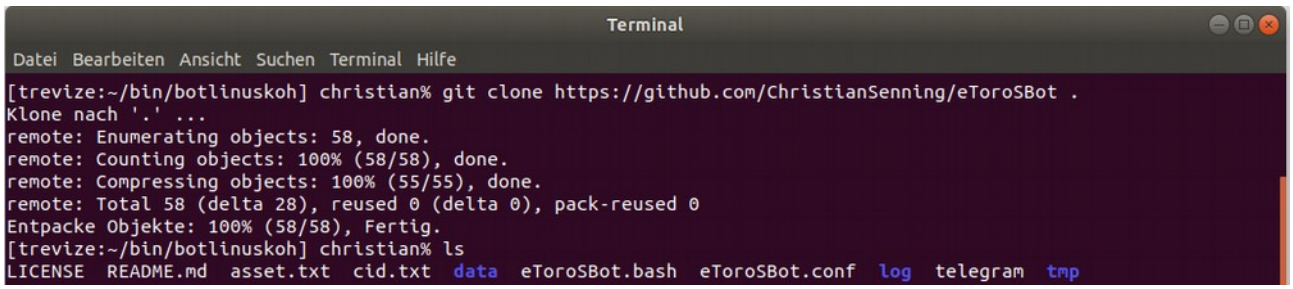
Get the code from github.com (alternatively you can also just download all files from the website of github):

```
$ git clone https://github.com/ChristianSenning/eToroSBot .
```

Check that the files have been correctly been downloaded

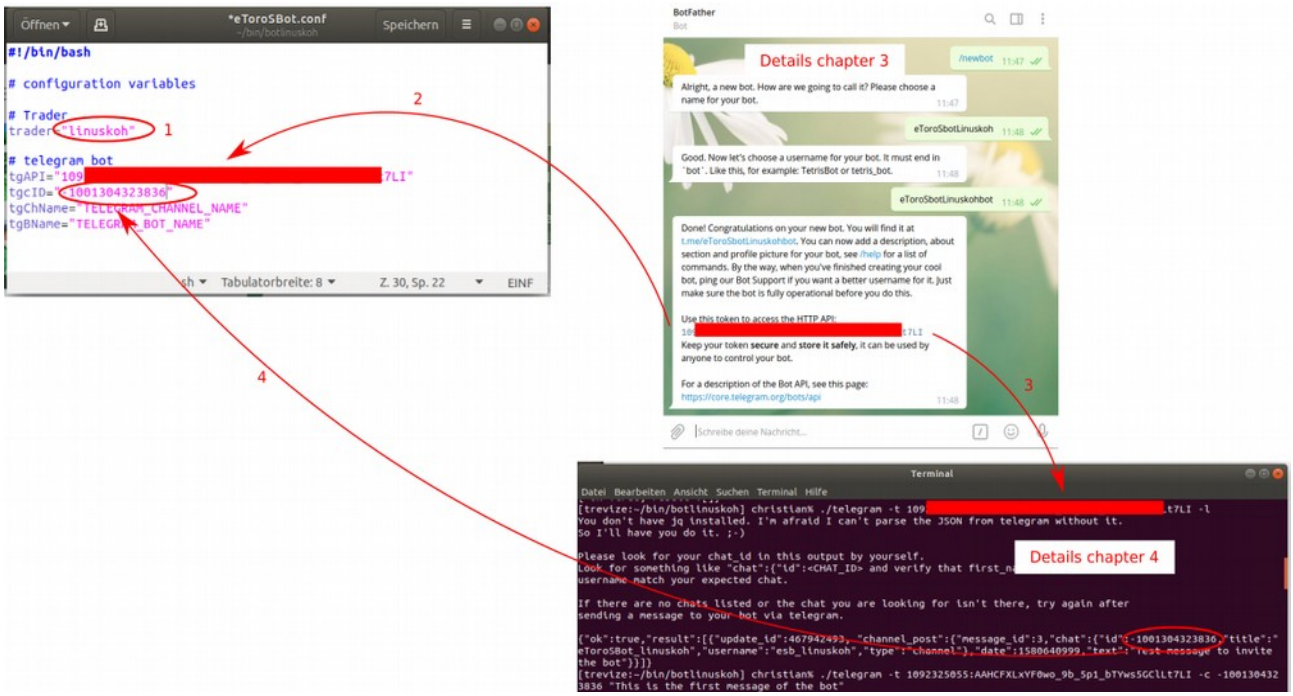
```
$ ls
```

Here an illustration of the last two steps:



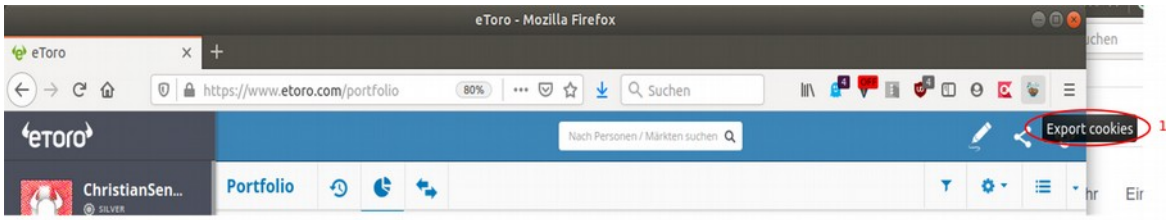
Update the file eToroSBot.conf (how to get the information about the telegram bot is described in chapter 3 and 4)

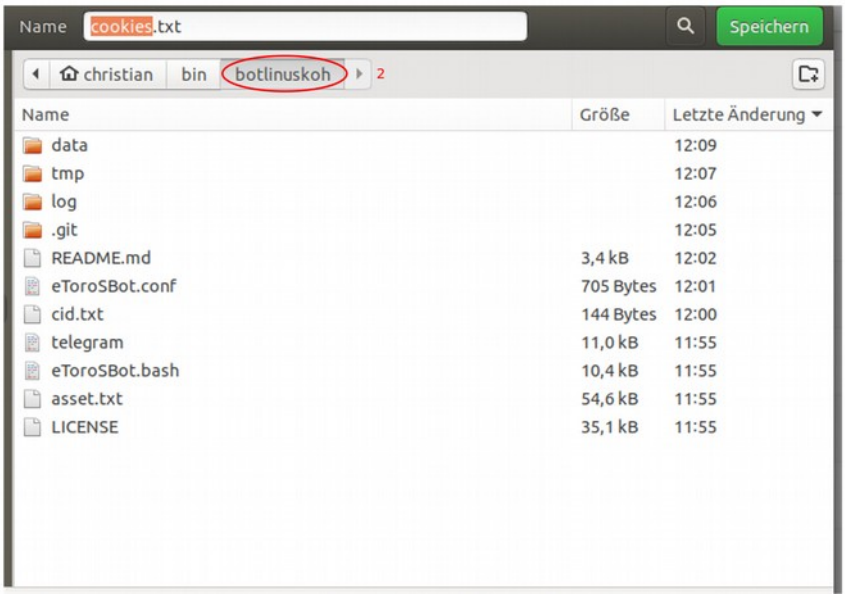
```
$ gedit eToroSBot.conf
```



If like to run the bot more often than every hour, than you need a cookie file. This can be achieved on multiple ways. Here is the process shown with Firefox and the add-on “cookies.txt” from Lennon Hill (details about the add-on in chapter 6).

To that end click on the add-on in the taskbar of the browser (1). Than save the cookie at the location that of your bot (2).





Now the bot is ready for use. Hence we will test the bot next. To that end start the bot with the following command

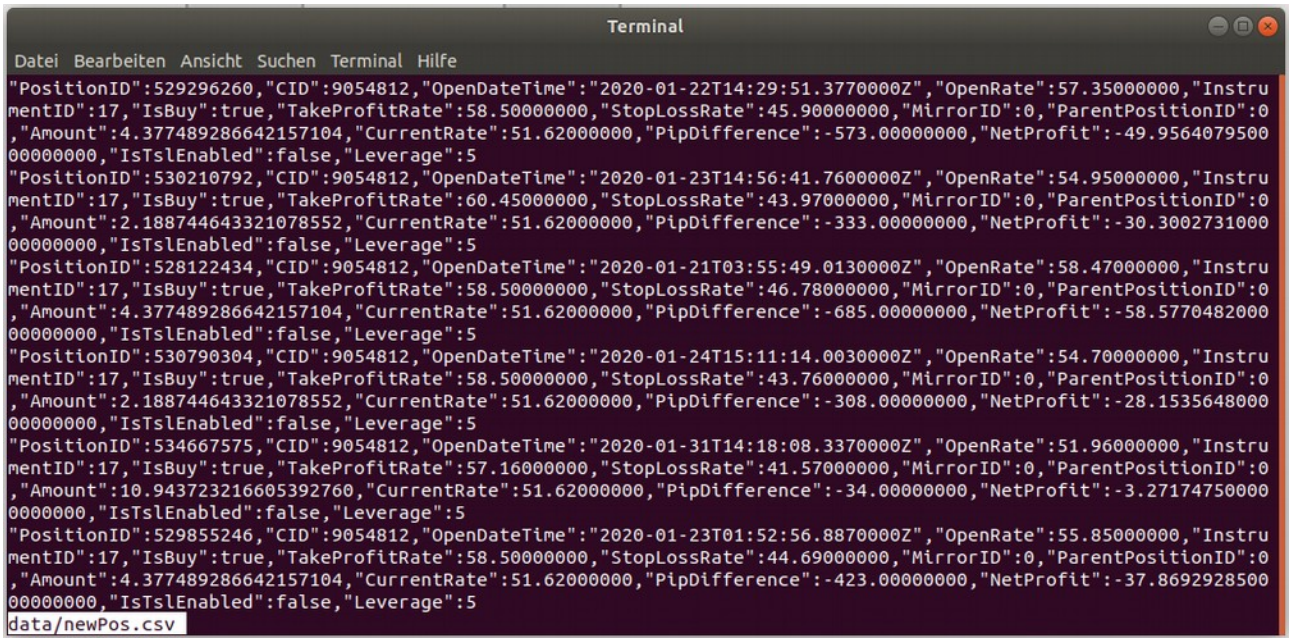
```
$ ./eToroSBot.bash
```

May you get some information, that some positions are to old. This only means, that some positions are older then 2 hours and have never been reported to the telegram channel. Hence that is ok for the first start.

If you repeat the command above, there should be no output at all. You can check the identified positions of the trader, when you read the file “data/newpos.csv”. This step is not required, but may helps if you like to understand operation of the bot.

```
$ less data/newPos.csv
```

The output will be something like the following:



If you like the bot being executed all few minutes, I recommend the use of cron (However, you can use whatever you like). To set up a cron job do the following steps:

```
$ crontab -e
```

Then add a line at the end of the file with the following content:

```
$ 2-59/10 * * * * /PATH/eToroSbot.bash
```

This would execute the bot from the second minute of the hour until the last minute of the hour every 10 minutes. Of course you have to adjust the “/PATH” to the location you used at the beginning of this chapter. If you plan to run multiple bots, you may start from different minutes. Hence, one starting at the first minute, one at the second and so on…

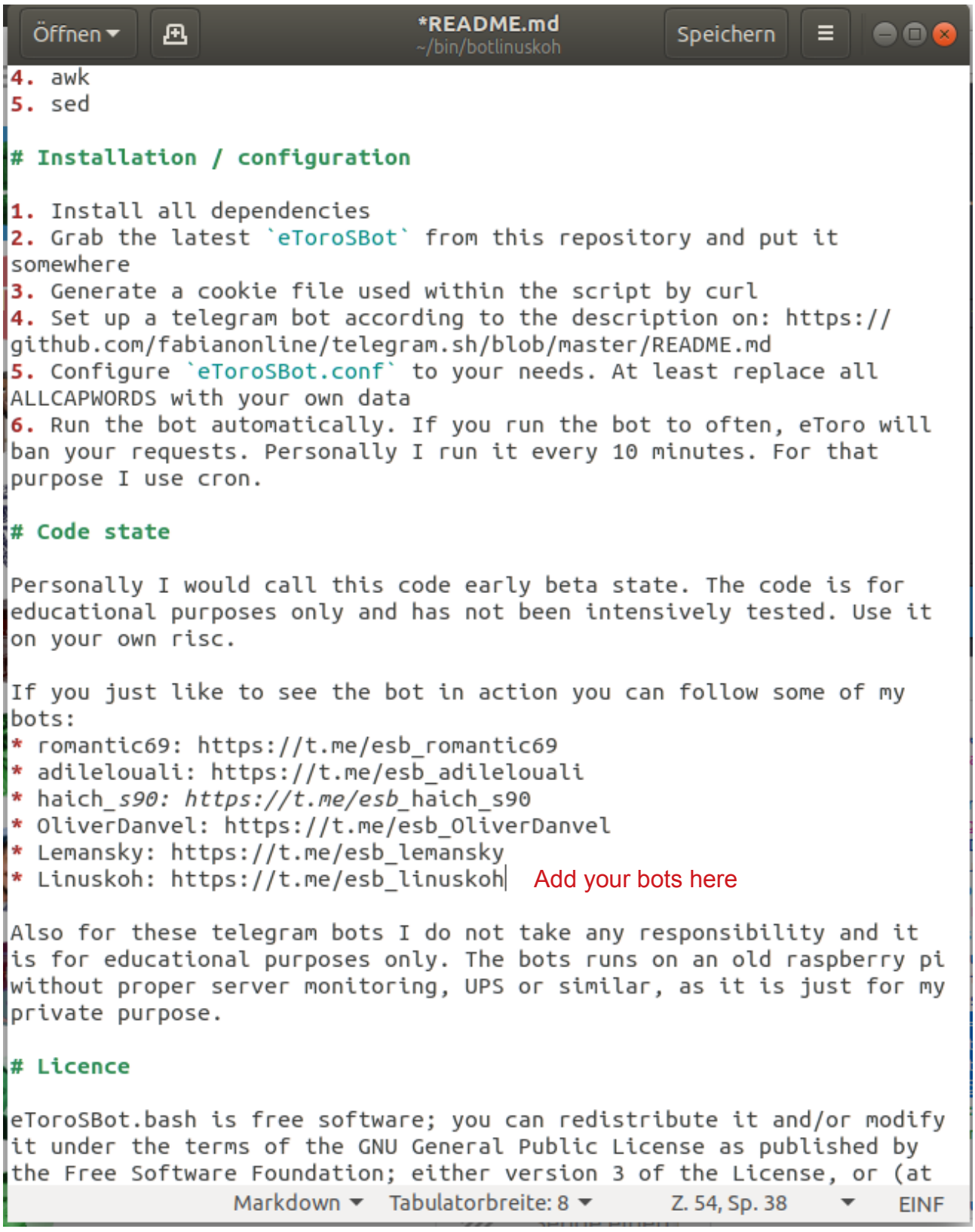
If you like to check if you installed the cron job correctly, then you can use the following command:

```
$ crontab -l
```

Alternatively, if you do not have cron, you can use the following work around:

```
$ while :; do ./eToroSBot.bash; sleep 10m; done
```

Finally it would be nice if you inform others about your bot. One possibility is to update the file README.md on github or to inform other traders one of the trading telegram groups.


Öffnen
*README.md
~/bin/botlinuskoh
Speichern
4. awk
5. sed
Installation / configuration
1. Install all dependencies
2. Grab the latest `eToroSBot` from this repository and put it somewhere
3. Generate a cookie file used within the script by curl
4. Set up a telegram bot according to the description on: https://github.com/fabianonline/telegram.sh/blob/master/README.md
5. Configure `eToroSBot.conf` to your needs. At least replace all ALLCAPWORDS with your own data
6. Run the bot automatically. If you run the bot to often, eToro will ban your requests. Personally I run it every 10 minutes. For that purpose I use cron.
Code state
Personally I would call this code early beta state. The code is for educational purposes only and has not been intensively tested. Use it on your own risc.
If you just like to see the bot in action you can follow some of my bots:
* romantic69: https://t.me/esb_romantic69
* adilelouali: https://t.me/esb_adilelouali
* haich_s90: https://t.me/esb_haich_s90
* OliverDanvel: https://t.me/esb_OliverDanvel
* Lemansky: https://t.me/esb_lemansky
* Linuskoh: https://t.me/esb_linuskoh
Add your bots here
Also for these telegram bots I do not take any responsibility and it is for educational purposes only. The bots runs on an old raspberry pi without proper server monitoring, UPS or similar, as it is just for my private purpose.
Licence
eToroSBot.bash is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 3 of the License, or (at
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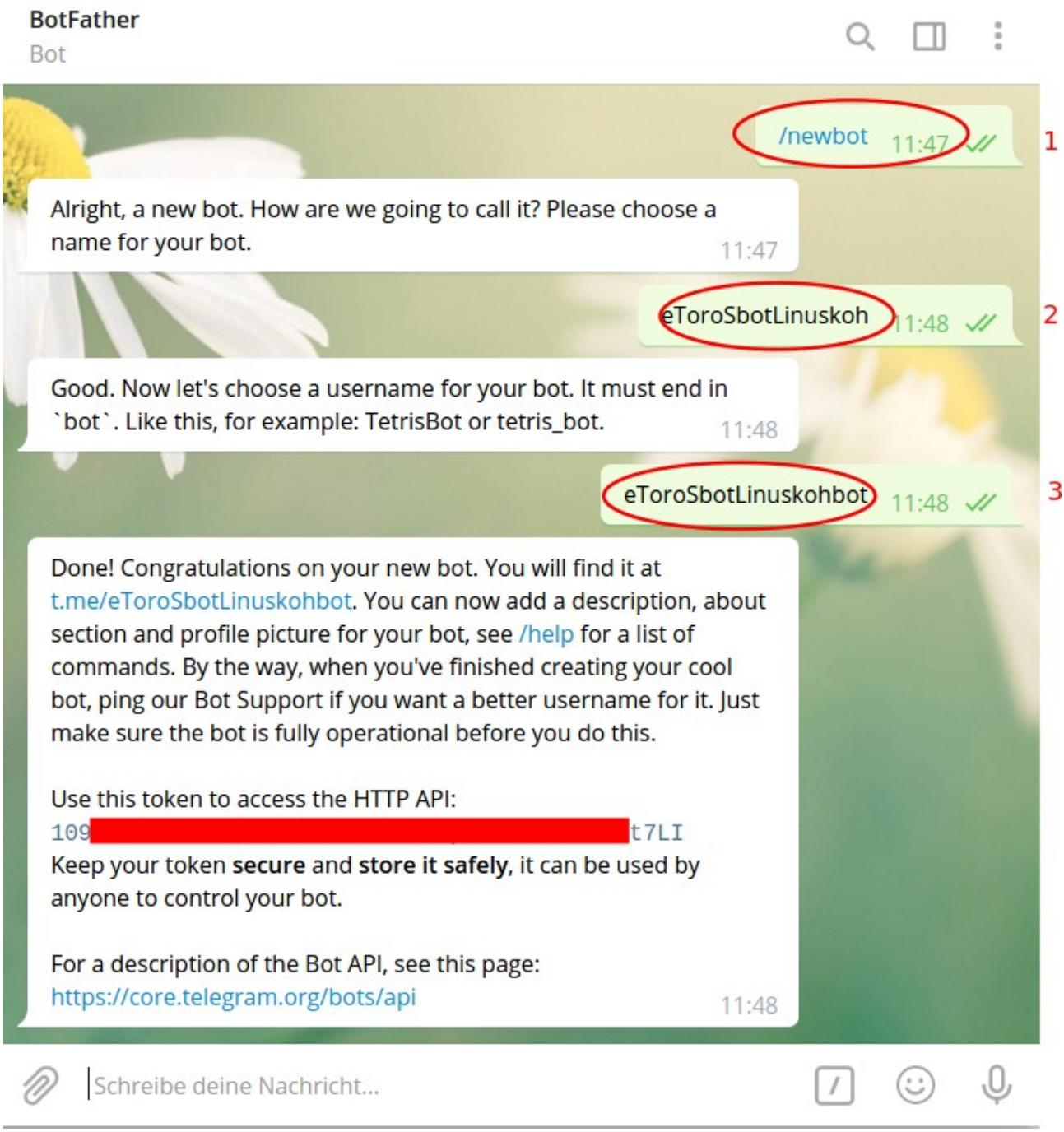
3 Creating a telegram bot

In order to create a telegram bot, you have to chat with the “BotFather”.

He will inform you how to create a bot. You need tree steps:

1. /newbot
2. Some bot nick name
3. Some bot user name

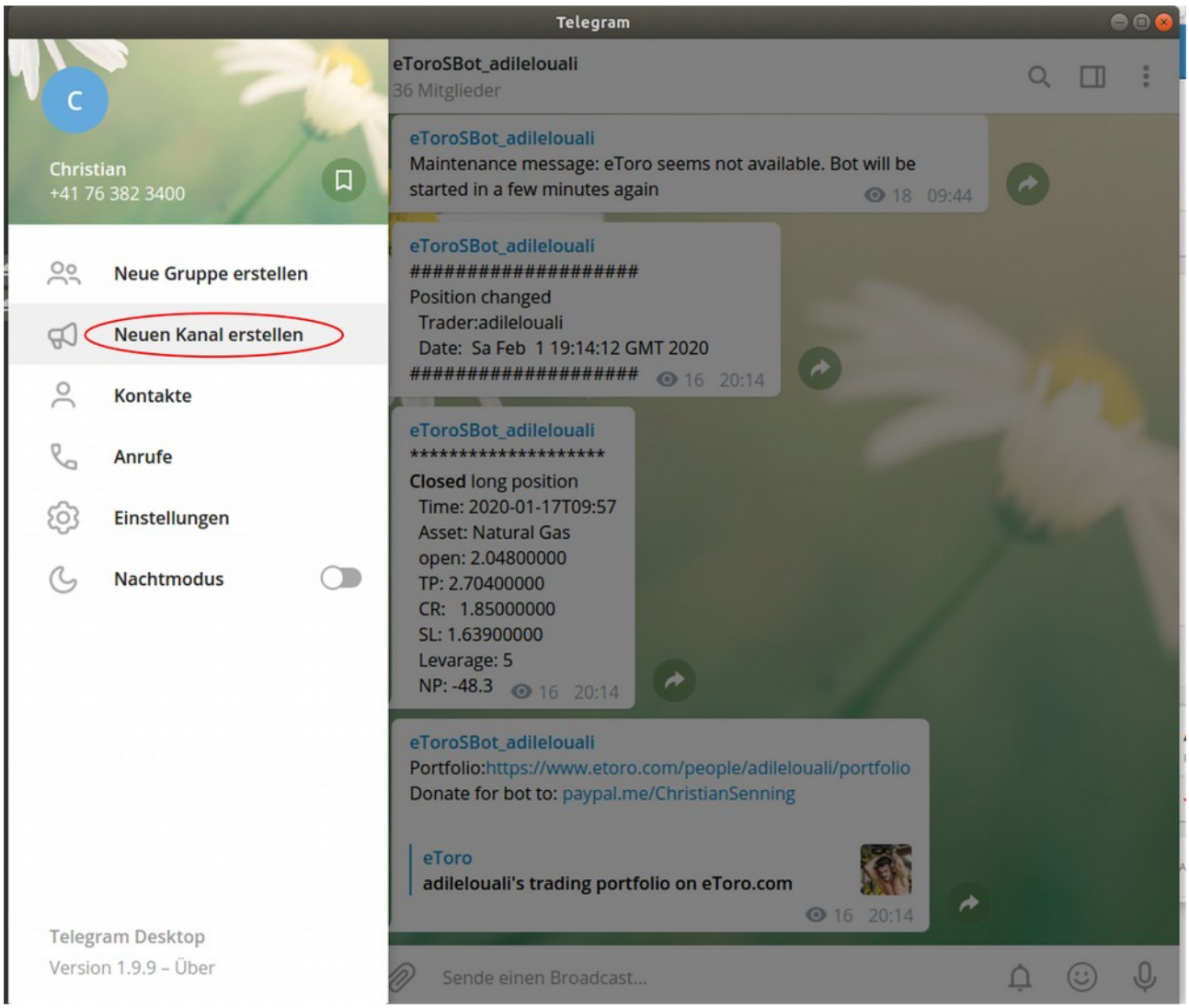
You will get back the HTTP API token, that is required for the telegram command line bot.



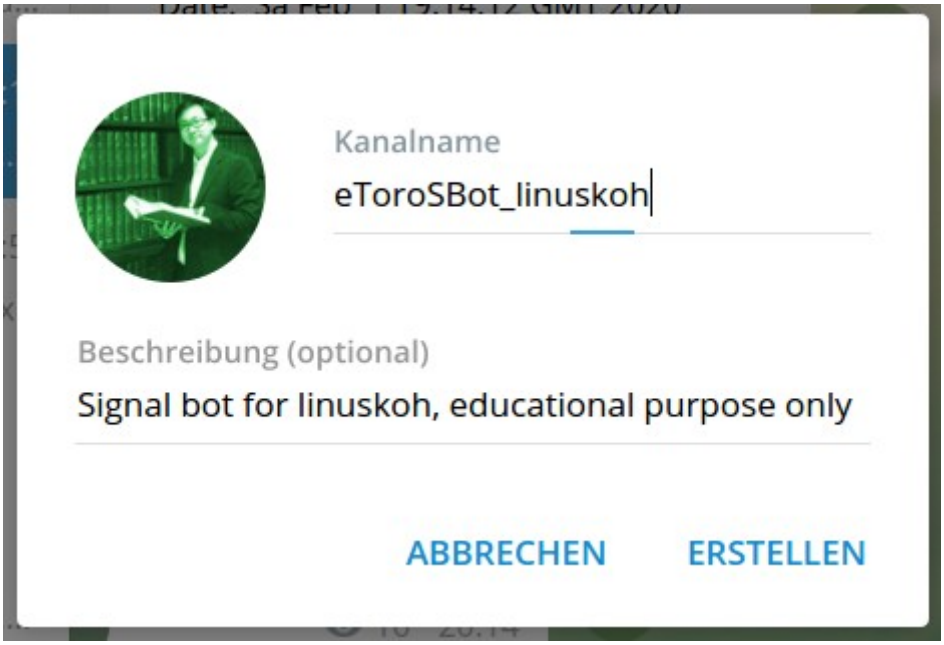
4 Creating a telegram channel with a telegram bot

When you have created a bot, you can create a telegram channel and add the bot to the channel as administrator.

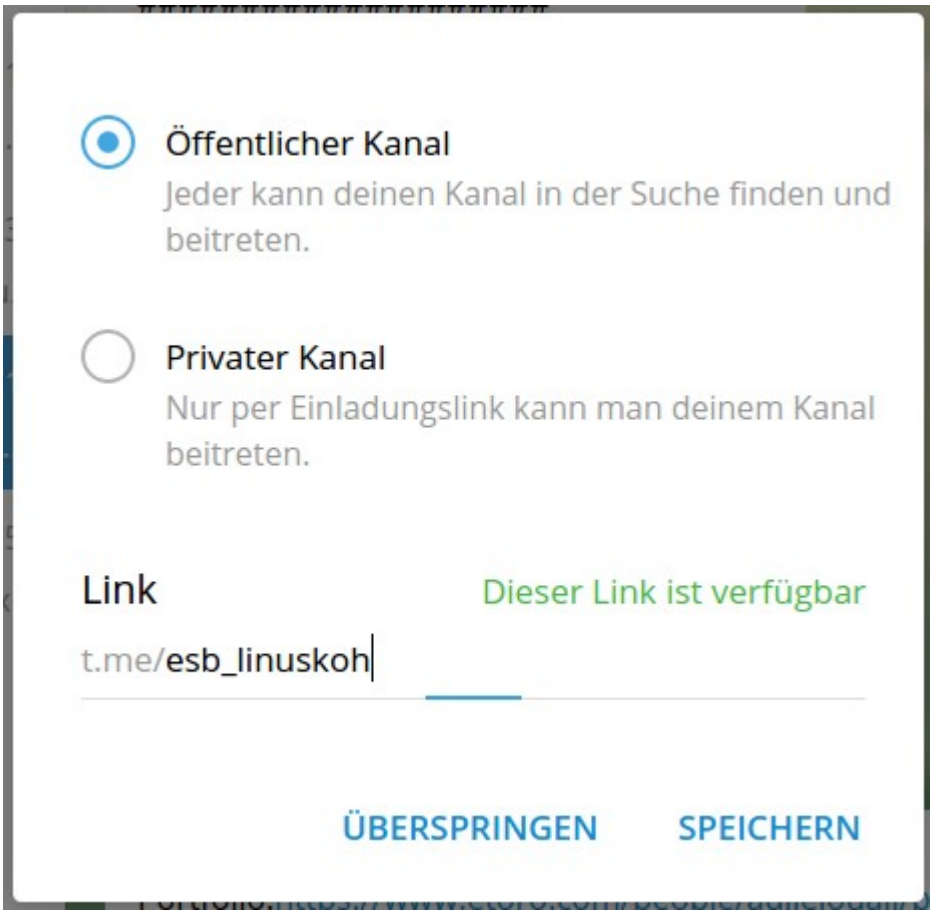
Create telegram channel:



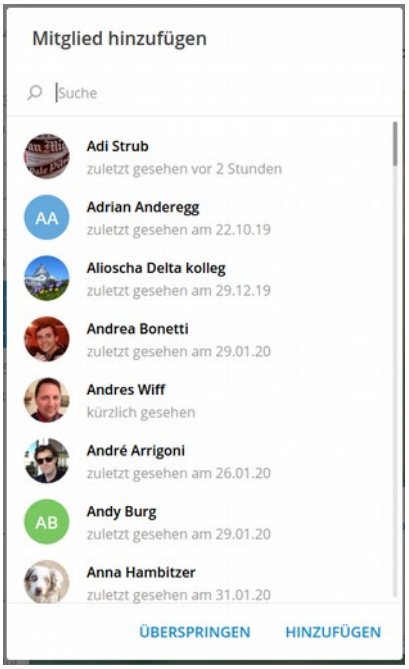
Enter a channel name, a description and if you like a photo of the channel.



Set the channel to public and add a meaningful link to the channel. I personally use allways t.me/esb_Tradername (whereas esb stands for **E**toro **S**ignal **B**ot)

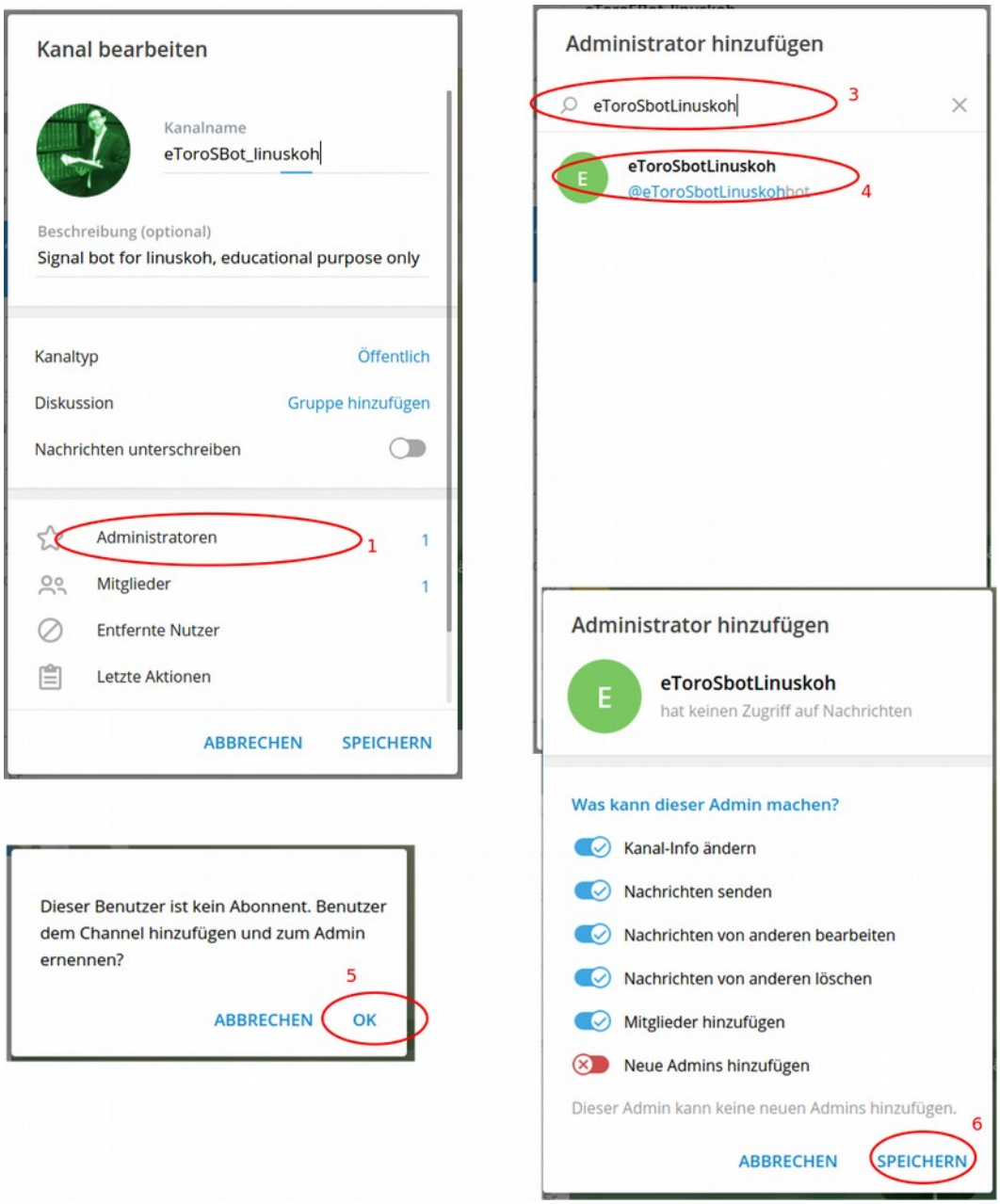


The following adding of members you can skip for now.



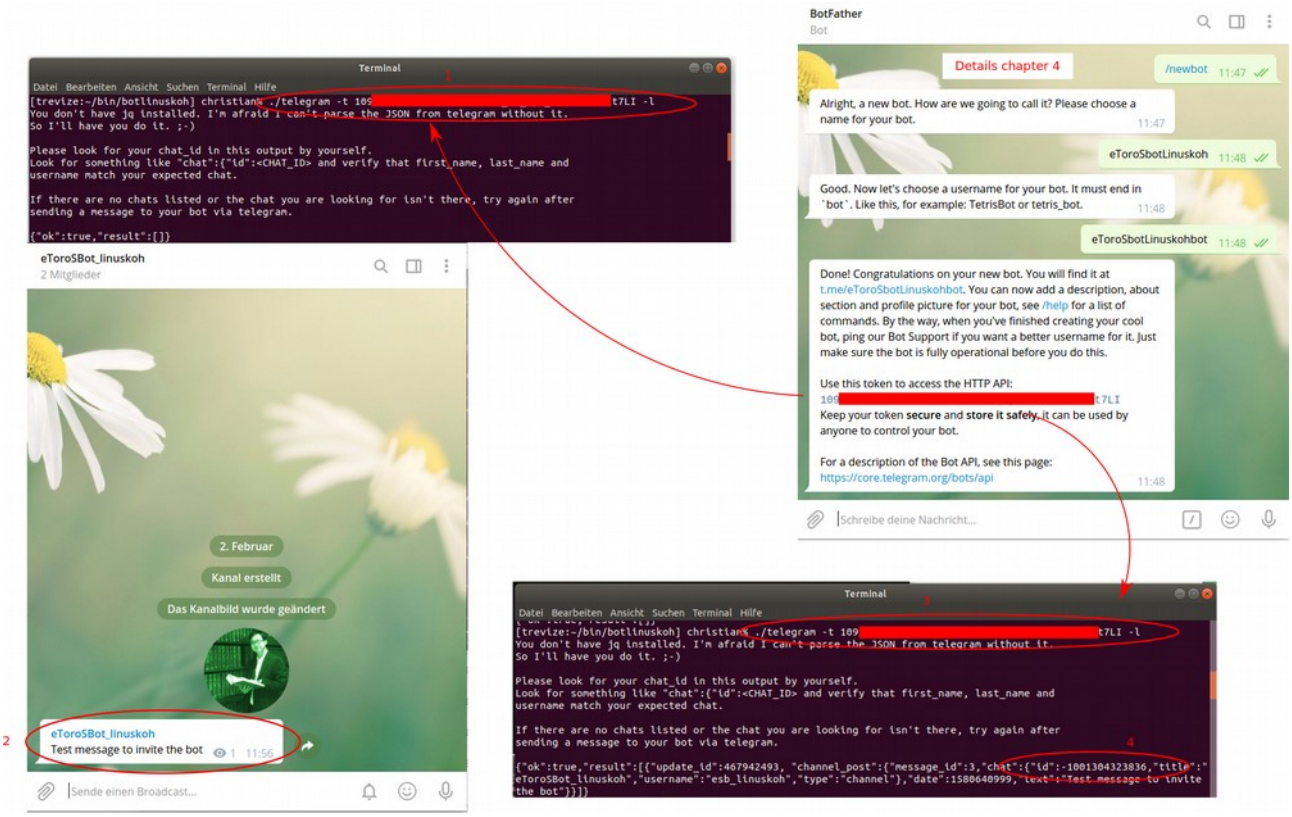
Now you have an empty channel without members (except yourself). We therefore will add the bot now as a administrator to the channel. To this end do the following steps:

1. Click on modify channel and the on administrators
2. Click on “add new administrators” (not in the picture below)
3. Search the created bot
4. Select the created bot
5. Accept to add the bot even if he is so far no member of the channel
6. Define the possible actions that the bot is allowed. As long as you do not give away your API token, the default should be fine. If you like to be secure, than select only the possibility to send messages.



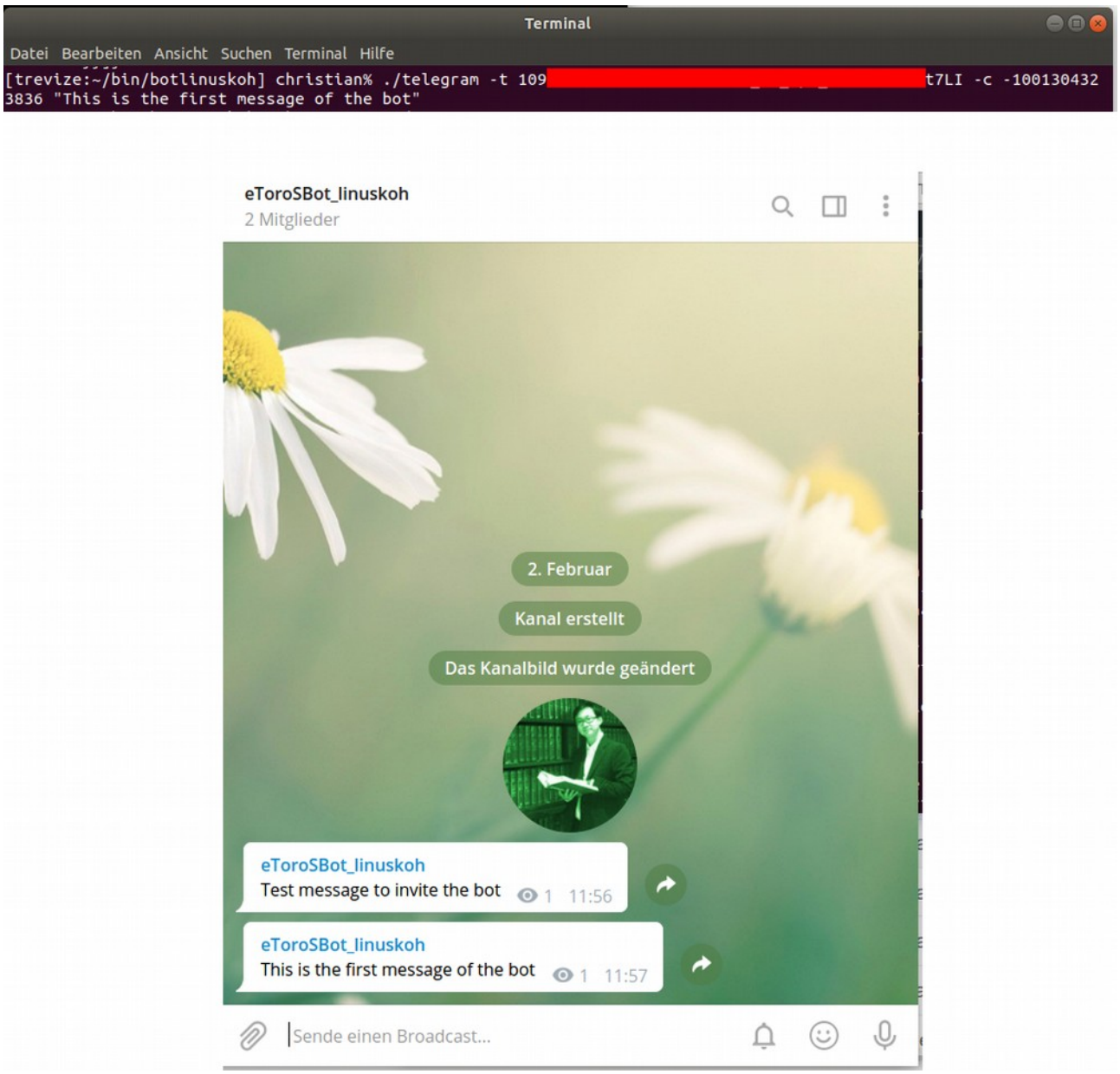
The telegram bot is now member of the channel, but does not know the chat id. To get this chat Id, the following steps are necessary.

1. Run the telegram bot once with the following command:
   $ ./telegram -t YOURTELEGRAMAPI -l
2. Send a message in the channel
3. Run the telegram bot once again, with the same command:
   $ ./telegram -t YOURTELEGRAMAPI -l
4. Search the chat ID in the response



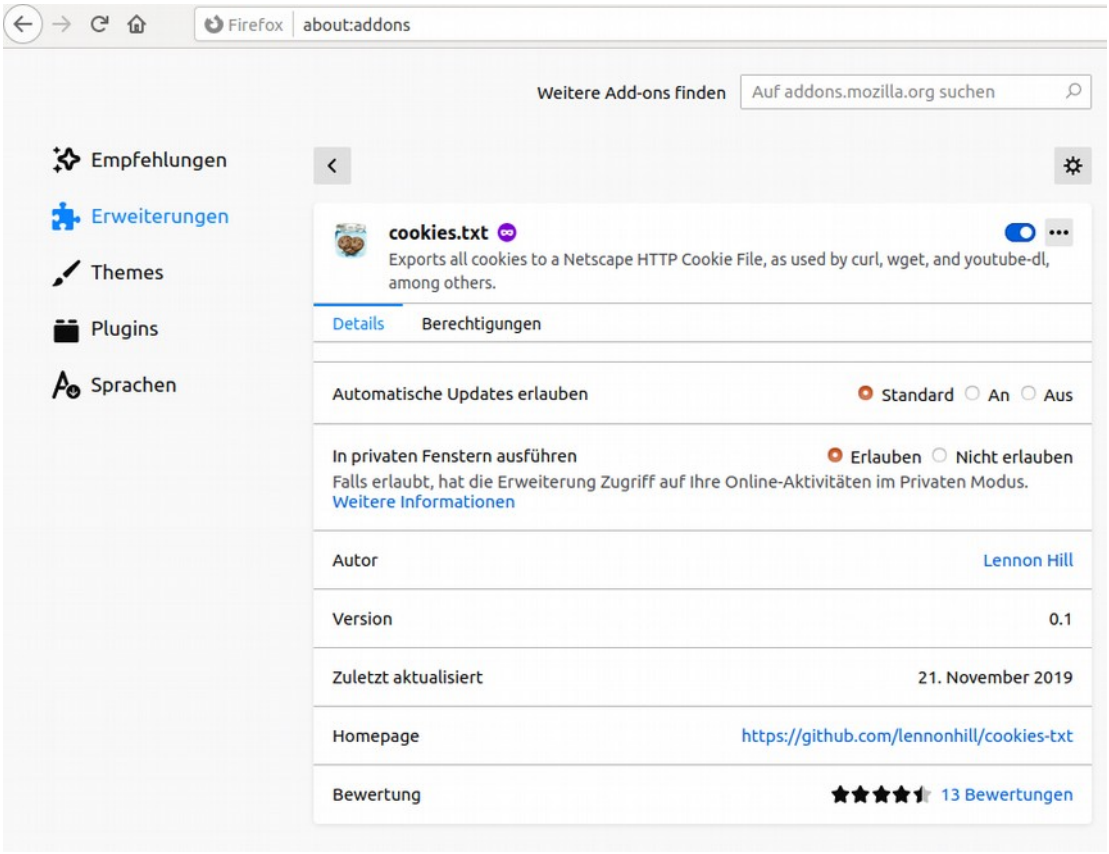
If you like to test the the telegram bot, you can use the following command:

$ ./telegram -t YOURTELEGRAMAPI -c YOURCHATID “Some message”



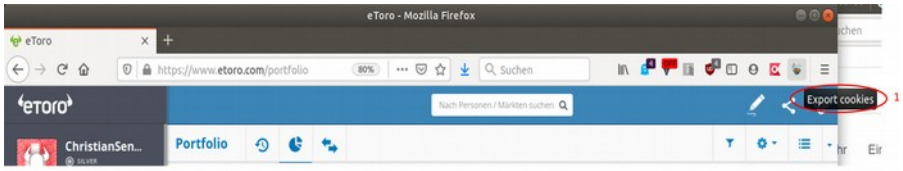
If you see that message, you've successfully communicated with the telegram bot.

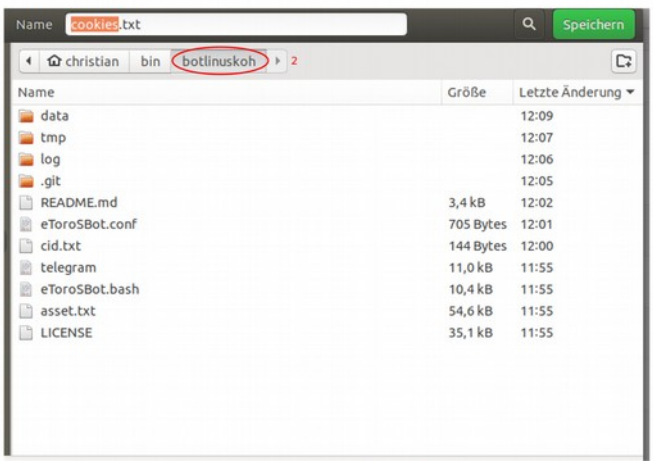
5 Firefox Add-on Cookies.txt



6 Maintenance

The bot requires all few days a new cookie file. To this end repeat the step done during installation and shown in the following picture.





7 Troubleshooting

After a crash of the bot (for example when the cookie file is to old), the bot needs to be restarted. There are two steps required to do that.

1. Delete the lock file in the local temp directory
   $ rm /PATH/TO/YOUR/BOT/tmp/lock.tmp
2. Delete all files in the data folder
   $ rm /PATH/TO/YOUR/BOT/data/*
3. Restore the local copy of the positions. For example you can use the silent mode of the bot
   $ ./eToroSBot.bash -s
   Alternatively you could copy the file data/oldPos.csv to data/newPos.csv
4. Announce the restart to the public in the telegram channel