



The Botfather



Telegram

Библиотека Requests



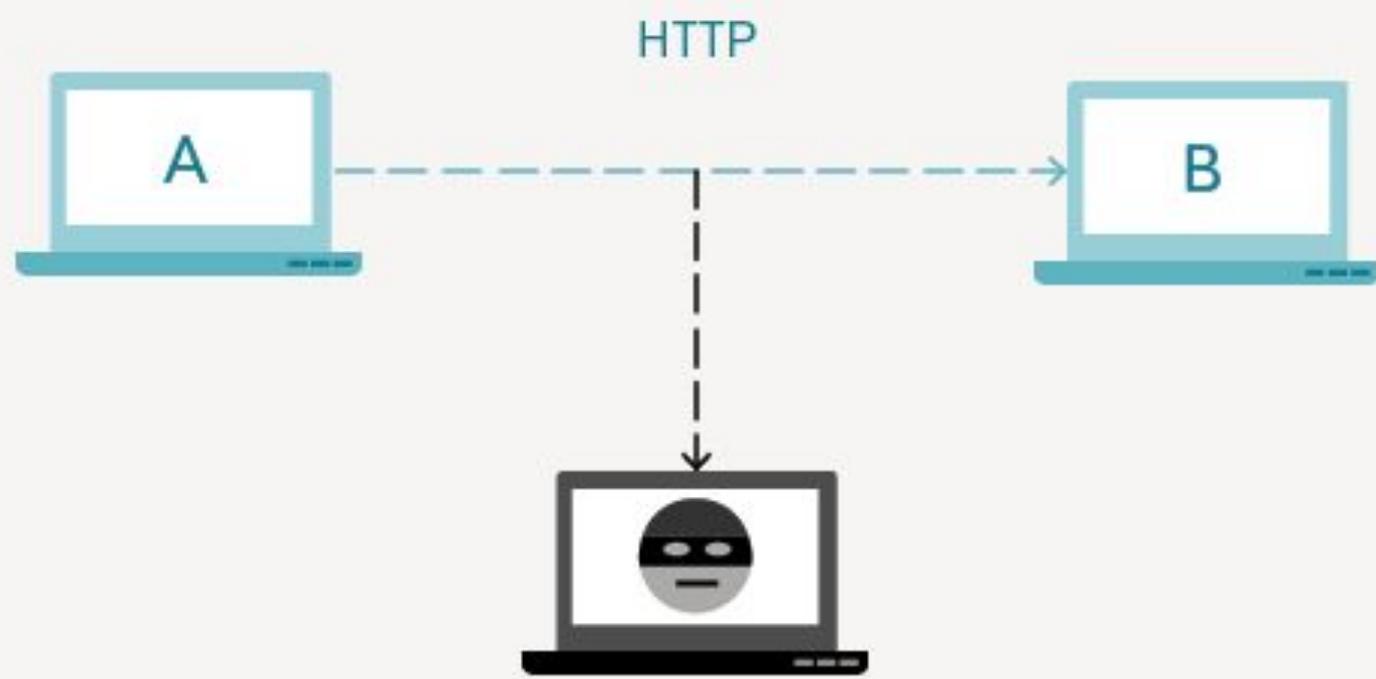
API



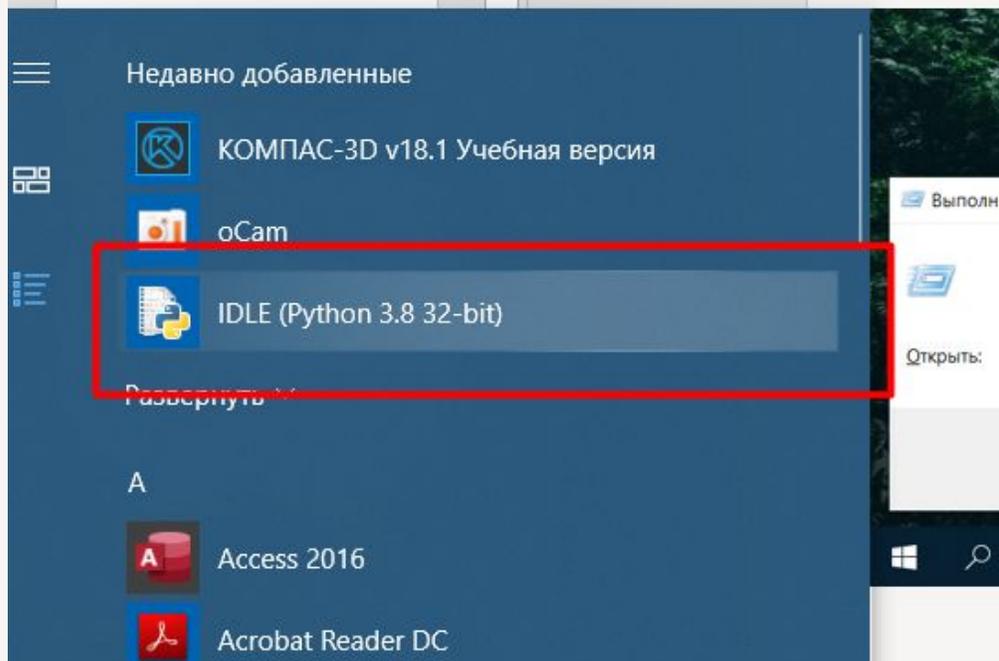
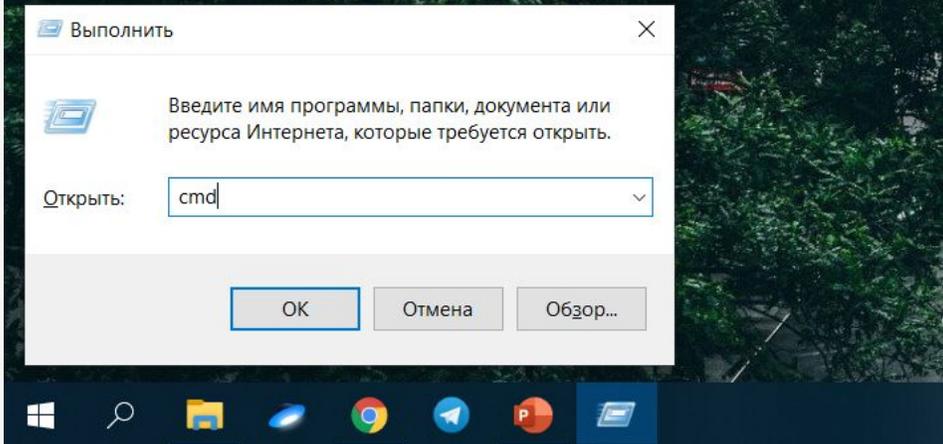
Протокол



HTTP



Windows + r



pip3 install

requests

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.18363.720]
(c) Корпорация Майкрософт (Microsoft Corporation), 2019. Все права защищены.

C:\Users\Voronov>pip3 install requests
Collecting requests
  Using cached https://files.pythonhosted.org/packages/1a/70/1935c770cb3be6e3a8b78ced23d7e0f3b187f5cb1/requests-2.23.0-py2.py3-none-any.whl
Collecting chardet<4,>=3.0.2 (from requests)
  Using cached https://files.pythonhosted.org/packages/bc/a9/01ffe7fb562e4274b6487b4bb1ddec7ca55ec7518/chardet-3.0.4-py2.py3-none-any.whl
Collecting idna<3,>=2.5 (from requests)
  Using cached https://files.pythonhosted.org/packages/89/e3/afebe61c546d18fb1709a61bee788254b40e736c8/idna-2.9-py2.py3-none-any.whl
Collecting urllib3!=1.25.0,!<1.25.1,<1.26,>=1.21.1 (from requests)
  Using cached https://files.pythonhosted.org/packages/e8/74/6e4f91745020f967d09332bb2b8b9b1009095733f/urllib3-1.25.8-py2.py3-none-any.whl
Collecting certifi>=2017.4.17 (from requests)
  Downloading https://files.pythonhosted.org/packages/57/2b/26e37a4b034800c960a00c4e1b3d9ca5d7014e983/certifi-2020.4.5.1-py2.py3-none-any.whl (157kB)
  |-----| 163kB 437kB/s
Installing collected packages: chardet, idna, urllib3, certifi, requests
Successfully installed certifi-2020.4.5.1 chardet-3.0.4 idna-2.9 requests-2.23.0 urllib3-1.25.8
WARNING: You are using pip version 19.2.3, however version 20.0.2 is available.
You should consider upgrading via the 'python -m pip install --upgrade pip' command.

C:\Users\Voronov>
```

Python 3.8.2 Shell

File Edit Shell Debug Options Window Help

- New File Ctrl+N
- Open... Ctrl+O
- Open Module... Alt+M
- Recent Files
- Module Browser Alt+C
- Path Browser
- Save Ctrl+S
- Save As... Ctrl+Shift+S
- Save Copy As... Alt+Shift+S
- Print Window Ctrl+P
- Close Alt+F4
- Exit Ctrl+Q

2:7b3ab59, Feb 25 2020,
"credits" or "license"

Python 3.8.2 Shell

File Edit Shell Debug Options Window Help

```
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020,
tel)] on win32
Type "help", "copyright", "credits" or "license ("
>>>
=== RESTART: C:/Users/Voronov/AppData/Local/Progr
2.23.0
>>>
```

4

1

Консоль

1.py - C:/Users/Voronov/AppData/Local/Progra

File Edit Format Run Options Window Help

- Run Module F5
- Run... Customized Shift+F5
- Check Module Alt+X
- Python Shell

3

```
import requests as r
print(r.__version__)
```

2

Программа

**BotFather** ✓

ПН

Done! Congratulations on your n...

Глобальный поиск

**@BotFather**

@botfat,

**@BotFather**

@FatherBott,

**BotFather** ✨

@BOTFathErxbot, бот

**Сарказмы на злобу дня**

@botfather2,

**Bot Father** (🌱)

@botfatherdomain,

**BotFatherPR**

четверг, 9 апреля 2020 г.

Что этот бот может делать?

BotFather is the one bot to rule them all. Use it to create new bot accounts and manage your existing bots.

About Telegram bots:

<https://core.telegram.org/bots>

Bot API manual:

<https://core.telegram.org/bots/api>

Contact [@BotSupport](#) if you have questions about the Bot API.

понедельник, 6 апреля 2020 г.

**Евгений**

13:30:47

/start



Напишите сообщение...





Евгений

/newbot



BotFather

Alright, a new bot. How are we going to call it? Please choose a name for your bot.



Евгений

one_bot



BotFather

Good. Now let's choose a username for your bot. It must end in `bot`. Like this, for example: TetrisBot or tetris_bot.



Евгений

useu4983_bot



BotFather

Done! Congratulations on your new bot. You will find it at t.me/useu4983_bot. You can now add a description, about section and profile picture for your bot, see [/help](#) for a list of commands. By the way, when you've finished creating your cool bot, ping our Bot Support if you want a better username for it. Just make sure the bot is fully operational before you do this.

Use this token to access the HTTP API:


Keep your token **secure** and **store it safely**, it can be used by anyone to control your bot.

For a description of the Bot API, see this page:
<https://core.telegram.org/bots/api>

Поработаем с API через адресную строку в браузере

Для этого необходимо узнать id пользователя (т. е. наш, будем отправлять сообщения сами себе)

- Напишите любое сообщение вашему боту
- В адресную строку вставьте
https://api.telegram.org/bot<ваш_токен>/getUpdates

```
{"ok":true,"result":[{"update_id":849520022,
"message":{"message_id":8,"from":
{"id":745363556,"is_bot":false,"first_name":"\u0415\u0432\u0433\u0435\u0434\u0438\u0439","last_name":"\u0412\u043e\u0440\u043e\u0432\u043e\u0432","language_code":"ru"},"chat":
{"id":745363556,"first_name":"\u0415\u0432\u0433\u0435\u0434\u0438\u0439","last_name":"\u0412\u043e\u0440\u043e\u0432\u043e\u0432","type":"private"},"date":1586429885,"text":"hi"}}]}
```

- Воспользуйтесь методом /sendMessage что бы отправить сообщение пользователю
https://api.telegram.org/bot<token>/sendMessage?chat_id=303262877&text=Hello

JSON – Удобный формат данных для обмена

и информации

```
{
  "ok":true,
  "result":[{"update_id":523349956,
    "message":{"message_id":51,
      "from":{"id":303262877,
        "first_name":"YourName"}
    },
    "chat":{"id":303262877,
      "first_name":"YourName",
      "type":"private"}
    },
    "date":1486829360,
    "text":"Hello"}
  ]
}
```

Аналоги

- CSV
- XML
- YAML

Создайте двухуровневый словарь

ok



True

result



update_id 523349956
message hi

Вытащите из него
текст сообщения

Д. 3.
Из json файла
вытащите значение
индекса text