

tgToDrive

一、原理介绍

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- 1、获取tg的api_id和api_hash
- 2、配置tg下载服务

一、原理介绍

- 1、使用rclone挂载onedrive网盘到服务器目录；
- 2、使用脚本程序监听tg群组的消息，如过存在新资源消息，则下载资源到onedrive挂载目录；
- 3、rclone自动同步onedrive挂载目录的数据到onedrive网盘；
- 4、同步onedrive网盘数据到cloudreve；
- 5、使用nplayer连接cloudreve的webdav地址播放视频；

问题沟通群组：<https://t.me/tgToDrive>

二、挂载onedrive网盘（其他网盘挂载方式自行百度）

1、服务器信息

- 服务器信息：oracle日本centos7.9系统
- onedrive：世纪互联同济1T网盘

2、获取世纪互联onedrive空账号

- 1) 、打开Office官网 <https://www.microsoft.com/zh-cn/microsoft-365/compare-china-global-versions-microsoft-365>，选择365基础版进行购买

比较面向中小企业的中国版本计划和价格

由世纪互联运营的 Microsoft Intune 现已正式发布。让员工可以在所有设备上高效工作的同时，全面保护企业关键信息及设备和数据安全。立即免费试用>

高速发展阶段企业首选 降本增效，智能安全	云办公企业首选 移动办公，高效协同	入门级云转型企业首选 灵活采购，赋能员工
Microsoft 365 商业标准版 ¥81.70 用户/月 (包年) 本价格含税，用户无需付税 立即购买	Microsoft 365 商业基础版 ¥32.68 用户/月 (包年) 本价格含税，用户无需付税 立即购买	Microsoft 365 商业应用版 ¥53.89 用户/月 (包年) 本价格含税，用户无需付税 立即购买
<ul style="list-style-type: none"> 桌面端及跨平台 Office 应用 1 TB 云盘+远程协同 50 GB 邮箱+权限管理 250 人音视频会议 	<ul style="list-style-type: none"> Web 版 Office 1 TB 云盘+远程协同 50 GB 邮箱+权限管理 250 人音视频会议 	<ul style="list-style-type: none"> 桌面端及跨平台 Office 应用 1 TB 云盘

2) 输入用户名、邮箱、手机号码，点击下一步



欢迎，请提供你的一些信息

中国	
注册后不可更改。为什么不可以?	
coo	pai
123456@qq.com	
18600000000	
xtyun	
2-4 个人	

[下一页](#) ↗



3) 输入用户名，组织名称，密码，点击创建我的账户

希望将此添加到现有订阅?

登录

创建你的用户 ID

你需要用户 ID 和密码来登录帐户。

admin @ coopai .partner.onmschina.cn [\(?\)](#)

✓ admin@coopai.partner.onmschina.cn

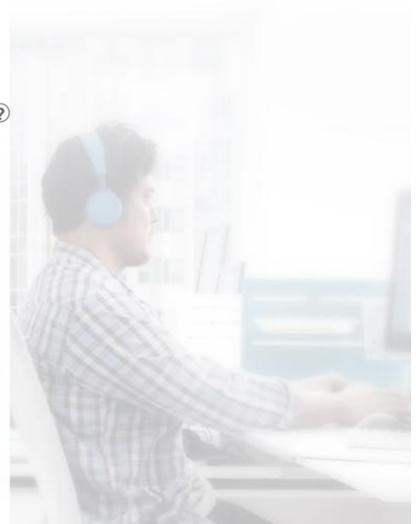
.....

.....|

单击“创建我的帐户”即表示你同意我们的[条款和条件](#)以及[默认通信首选项](#)。

我希望 世纪互联 与其许可方、转包商和特选合作伙伴共享我的信息，以便我可收到其产品和服务的相关信息。若要了解更多信息或要随时取消订阅，请查看[隐私声明](#)。

世纪互联 可能会联系我来提供有关 世纪互联 运营的 Office 365 和 Microsoft Azure 服务的新订阅、帐单及重要更新的信息，包括安全或其他技术问题的信息。我将无法取消订阅该等交流信息。



4) 输入手机号码进行验证

希望将此添加到现有订阅?

登录

请证明你不是机器人。

发送短信给我 呼叫我

(+86) ▾

电话号码

我们不会出于任何其他目的保存或使用此电话号码。

发送短信给我



5) 输入地址信息（随意填写），然后点击下一步

Microsoft 365 商业基础版

你将在何处使用此信息?

请输入您将使用该服务的地址。该地址会决定税费和订阅的可用性。

100000
北京
北京市海淀区
北京市海淀区
地址 2
地址 3
地址 4
18600000000

步骤 1 ✓
您的相关信息

步骤 2 ✓
创建 ID

步骤 3 ●
您将在哪里使用它?

步骤 4 ○
查看您的订单

步骤 5 ○
取消

下一步 ➔

6) 点击取消按钮，取消订单

您好, COO

这看起来如何?

Microsoft 365 商业基础版: 每年
¥369.96 | 1 年期

1 用户 ¥369.96

税金 ¥22.20

总计 ¥392.16

步骤 1 ✓
您的相关信息

步骤 2 ✓
创建 ID
正在寻找其他计划?

步骤 3 ○
您将在哪里使用它?

步骤 4 ○
取消

下一步 ➔

7) 自动进入到管理中心界面，至此账号创建成功

The screenshot shows the Microsoft Office 365 Management Center interface. On the left, there's a navigation sidebar with options like '主页' (Home), '用户' (Users), '组' (Groups), '帐单' (Billing), and '所有管理中心' (All Management Centers). The main content area has a search bar at the top. Below it, there are three main sections: '用户管理' (User Management) with a '添加用户' (Add User) button; '账单' (Billing) showing a balance of '¥0.00'; and '培训和指导' (Training and Guidance) with links for '管理员培训' (Administrator Training), '自定义安装指南' (Custom Installation Guide), and '用户培训' (User Training). A red arrow points from the text '进入配置界面' to the '管理 Azure Active Directory' link in the '培训和指导' section.

3、获取onedrive客户端id和秘钥

1) 进入<https://portal.azure.cn/#home>网站（若未自动登录，则用刚才的注册的账号进行登录），点击管理 Azure Active Directory，进入配置界面

The screenshot shows the Microsoft Azure portal homepage. At the top, there's a search bar and a navigation bar with icons for account, notifications, and help. The main content area features a '欢迎使用 Azure!' (Welcome to Azure!) banner with a blue key icon. Below it, there's a section for '从 Azure 免费试用版开始' (Start with Azure Free Trial) and another for '管理 Azure Active Directory' (Manage Azure Active Directory), which is highlighted with a red box and a red arrow pointing to its '了解更多' (Learn more) link. At the bottom, there's a 'Azure 服务' (Azure Services) section with icons for various services like Virtual Machines, Application Services, Storage Accounts, SQL Database, and Functions. A red arrow also points from the text '进入配置界面' to the '了解更多' link in the highlighted section.

2) 点击应用注册

The screenshot shows the Azure Active Directory blade for the 'xtyun' tenant. A red arrow points to the '应用注册' (App Registration) link in the left-hand navigation menu. The main content area displays '租户信息' (Tenant Information) and 'Azure AD Connect' status.

租户信息

- 你的角色: 全局管理员 [详细信息](#)
- 许可证: Azure AD 免费版
- 租户 ID: b31a4811-3b7d-451d-897e-79...
- 主要域: xtyuns.partner.onmschina.cn

Azure AD Connect

- 状态: 未启用
- 上次同步时间: 从未运行同步

3) 点击新注册

The screenshot shows the '应用注册' (App Registration) blade for the 'xtyun' tenant. A red arrow points to the '+ 新注册' (New Registration) button at the top of the page. The main content area displays information about application registration and a list of existing applications.

所有应用程序

开始键入用于筛选这些结果的名称或应用程序 ID

此帐户未列出这个目录中任何应用程序的所有者。

[查看目录中的所有应用程序](#)

4) 输入应用名称，选择“任何组织目录(任何 Azure AD 目录 – 多租户)中的帐户”，重定向类型选择 web，值输入 <http://localhost:53682> (为rclone授权地址)，点击注册

主页 > xtyun >
注册应用程序 ...

* 名称

此应用程序面向用户的显示名称(稍后可更改)。

coopai



受支持的帐户类型

谁能使用此应用程序或访问此 API?

- 仅此组织目录(仅 xtyun - 单一租户)中的帐户
 任何组织目录(任何 Azure AD 目录 - 多租户)中的帐户

[帮我选择...](#)

重定向 URI (可选)

在成功验证用户身份后, 我们将把身份验证响应返回到此 URI。现在可视需要提供此 URI, 且稍后可更改, 但大多数身份验证方案都要求提供值

Web

http://localhost:53682



[如果继续, 表明你同意 Microsoft 平台策略 ↗](#)

[注册](#)

5) 记录客户端id: 0b6f5174-ee10-4eb1-89df-c332e0861a80, 然后点击左侧的“证书与密码”

主页 > xtyun >
coopai ⌂ ...

搜索(Cmd+ /) 概述 删除 终结点 预览功能

概述 1

显示名称 : coopai 受支持的帐户类型 : 多个组织

应用程序(客户端) ID : 0b6f5174-ee10-4eb1-89df-c332e0861a80 2

重定向 URI : 1 个 Web 答复 URL, 0 个 SPA, 0 个公共客户端

目录(租户) ID : b31a4811-3b7d-451d-897e-79b8f8b26126 应用程序 ID URI : 添加应用程序 ID URI

对象 ID : 33a0cd6f-41b6-42e3-ab82-4c361a938a03 本地目录中的托管应用程... : coopai

快速入门 集成助手 品牌打造 身份验证 证书和密码 令牌配置 API 权限 公开 API App roles 所有者 角色和管理员 | 预览 清单 支持和疑难解答

调用 API 文档

Microsoft 标识平台
身份验证方案
身份验证库
代码示例
Microsoft Graph
术语表



6) 点击“新客户端密码”

主页 > xtyun > coopai

coopai | 证书和密码

搜索(Cmd+/) 得到反馈?

证书

证书可用作机密，用于在请求获取令牌时证明应用程序的标识。亦称为“公钥”。

上传证书 指纹 开始日期 截止期限 ID

尚未为此应用程序添加任何证书。

客户端密码

应用程序在请求获取令牌时用来证明自己标识的机密字符串。亦称为“应用程序密码”。

+ 新客户端密码

说明 截止期限 值 ID

尚未为此应用程序创建任何客户端机密。

支持和疑难解答 疑难解答



7) 输入名称，选择“从不”，点击添加

主页 > xtyun > coopai

coopai | 证书和密码

搜索(Cmd+/) 得到反馈?

添加客户端密码

说明: coopai

截止期限: 1年内 2年内 从不

添加 取消

客户端密码

应用程序在请求获取令牌时用来证明自己标识的机密字符串。亦称为“应用程序密码”。

+ 新客户端密码

说明 截止期限 值 ID



8) 点击如图所示的复制图标，复制秘钥值，并记录：4v4FqtE3.2Frp6GWu55u~-4Fd~04rYh64z

搜索(Cmd+)

得到反馈?

概述 快速入门 集成助手

管理 品牌打造 身份验证 证书和密码 令牌配置 API 权限 公开 API App roles 所有者 角色和管理员 | 预览 清单 支持和疑难解答

复制新客户端密码值。执行另一操作或离开此边栏选项卡后，将无法检索它。

上传证书

指纹 开始日期 截止期限 ID

尚未为此应用程序添加任何证书。

客户端密码

应用程序在请求获取令牌时用来证明自己标识的机密字符串。亦称为“应用程序密码”。

+ 新客户端密码

说明	截止期限	值	ID
coopai	2299/12/31	4v4FqtE3.2Frp6GWu55u~~4Fd~04rYh...	e5c15eca-1339-4d0f-9b33-f9e5d755...

4、挂载onedrive网盘

- 1) 打开<https://login.partner.microsoftonline.cn/>网站，输入同济账号密码进行登录（等会授权需要用到）
- 2) 使用ssh工具连接centos服务器，切换到root用户，执行“curl <https://rclone.org/install.sh> | sudo bash”安装rclone最新版本

```
[root@instance-20200806-1532 ~]# curl https://rclone.org/install.sh | sudo bash
% Total    % Received % Xferd  Average Speed   Time   Time     Time  Current
          Dload  Upload   Total Spent    Left Speed
100  4436  100  4436    0      0  3341      0  0:00:01  0:00:01 --:--:-- 3340
% Total    % Received % Xferd  Average Speed   Time   Time     Time  Current
          Dload  Upload   Total Spent    Left Speed
100    15  100    15    0      0   12      0  0:00:01  0:00:01 --:--:--   12
% Total    % Received % Xferd  Average Speed   Time   Time     Time  Current
          Dload  Upload   Total Spent    Left Speed
100 13.4M  100 13.4M    0      0 1886k      0  0:00:07  0:00:07 --:--:-- 2762k
Archive: rclone-current-linux-amd64.zip
  creating: tmp_unzip_dir_for_rclone/rclone-v1.54.1-linux-amd64/
  inflating: tmp_unzip_dir_for_rclone/rclone-v1.54.1-linux-amd64/git-log.txt [text]
  inflating: tmp_unzip_dir_for_rclone/rclone-v1.54.1-linux-amd64/rclone.1 [text]
  inflating: tmp_unzip_dir_for_rclone/rclone-v1.54.1-linux-amd64/rclone [binary]
  inflating: tmp_unzip_dir_for_rclone/rclone-v1.54.1-linux-amd64/README.html [text]
  inflating: tmp_unzip_dir_for_rclone/rclone-v1.54.1-linux-amd64/README.txt [text]
Purging old database entries in /usr/share/man...
mandb: warning: /usr/share/man/man8/fsck.fat.8.manpage-fix.gz: ignoring bogus filename
Processing manual pages under /usr/share/man...
Purging old database entries in /usr/share/man/hu...
-----
```

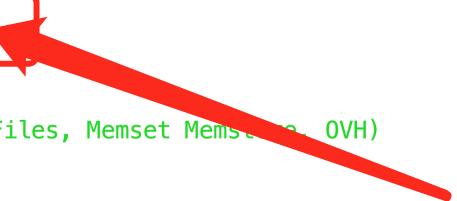
- 3) 执行rclone config命令，输入n回车，表示新增一个网盘

```
[root@instance-20200806-1532 ~]# rclone config
2021/03/15 16:16:28 NOTICE: Config file "/root/.config/rclone/rclone.conf" not found - using defaults
No remotes found - make a new one
n) New remote
s) Set configuration password
q) Quit config
n/s/q> n
```

- 4) 输入name，回车

```
[root@instance-20200806-1532 ~]# rclone config
2021/03/15 16:16:28 NOTICE: Config file "/root/.config/rclone/rclone.conf" not found - using defaults
No remotes found - make a new one
n) New remote
s) Set configuration password
q) Quit config
n/s/q> n
name> coopai
```

5) 输入26回车, 26表示onedrive

```
24 / Mega
  \ "mega"
25 / Microsoft Azure Blob Storage
  \ "azureblob"
26 / Microsoft OneDrive
  \ "onedrive" 26 
27 / OpenDrive
  \ "opendrive"
28 / OpenStack Swift (Rackspace Cloud Files, Memset Memstore, OVH)
  \ "swift"
29 / Pcloud
  \ "pcloud"
30 / Put.io
  \ "putio"
31 / QingCloud Object Storage
  \ "qingstor"
32 / SSH/SFTP Connection
  \ "sftp"
33 / Sugarsync
  \ "sugarsync"
34 / Tardigrade Decentralized Cloud Storage
  \ "tardigrade"
35 / Transparently chunk/split large files
  \ "chunker"
36 / Union merges the contents of several upstream fs
  \ "union"
37 / Webdav
  \ "webdav"
38 / Yandex Disk
  \ "yandex"
39 / Zoho
  \ "zoho"
40 / http Connection
  \ "http"
41 / premiumize.me
  \ "premiumizeme"
42 / seafile
  \ "seafile"
Storage> 26
```

6) 输入我们刚才记录的客户端id, 然后回车

```
OAuth Client Id
Leave blank normally.
Enter a string value. Press Enter for the default ("").
client_id> 0b6f5174-ee10-4eb1-89df-c332e0861a80
```

7) 输入我们刚才记录的秘钥值, 然后回车

```
OAuth Client Id  
Leave blank normally.  
Enter a string value. Press Enter for the default ("").  
client_id> 0b6f5174-ee10-4eb1-89df-c332e0861a80  
OAuth Client Secret  
Leave blank normally.  
Enter a string value. Press Enter for the default ("").  
client_secret> 4v4FqtE3.2Frp6GWu55u~4Fd~04rYh64z
```

8) 选择4, 表示世纪互联

```
Enter a string value. Press Enter for the default ("").  
client_id> 0b6f5174-ee10-4eb1-89df-c332e0861a80  
OAuth Client Secret  
Leave blank normally.  
Enter a string value. Press Enter for the default ("").  
client_secret> 4v4FqtE3.2Frp6GWu55u~4Fd~04rYh64z  
Choose national cloud region for OneDrive.  
Enter a string value. Press Enter for the default ("global").  
Choose a number from below, or type in your own value  
1 / Microsoft Cloud Global  
  \ "global"  
2 / Microsoft Cloud for US Government  
  \ "us"  
3 / Microsoft Cloud Germany  
  \ "de"  
4 / Azure and Office 365 operated by 21Vianet in China  
  \ "cn"  
region> 4
```

9) 输入n, 然后回车, n表示不进行高级配置

```
choose national cloud region for OneDrive.  
a Enter a string value. Press Enter for the default ("global").  
Choose a number from below, or type in your own value  
  1 / Microsoft Cloud Global  
    \ "global"  
  2 / Microsoft Cloud for US Government  
    \ "us"  
  3 / Microsoft Cloud Germany  
    \ "de"  
  4 / Azure and Office 365 operated by 21Vianet in China  
    \ "cn"  
region> 4  
z Edit advanced config? (y/n)  
c y) Yes  
> n) No (default)  
y/n> n
```

10) 输入y, 然后回车, y表示进行本地回调授权

```
| Edit advanced config? (y/n)
| y) Yes
| n) No (default)
| y/n> n
| Remote config
| Make sure your Redirect URL is set to "http://localhost:53682/" in your custom config.
| Use auto config?
| * Say Y if not sure
| * Say N if you are working on a remote or headless machine
| y) Yes (default)
| n) No
| y/n> y
```

11) 进入等待授权验证页面，不要关闭

```
| region> 4
| Edit advanced config? (y/n)
| y) Yes
| n) No (default)
| y/n> n
| Remote config
| Make sure your Redirect URL is set to "http://localhost:53682/" in your custom config.
| Use auto config?
| * Say Y if not sure
| * Say N if you are working on a remote or headless machine
| y) Yes (default)
| n) No
| y/n> y
| If your browser doesn't open automatically go to the following link: http://127.0.0.1:53682/auth?state=O6PNFdqJW5IgojgXkwBpjQ
| Log in and authorize rclone for access
| Waiting for code...
```

12) 说明：在远程服务器上面我们无法访问<http://127.0.0.1:53682/auth?state=O6PNFdqJW5IgojgXkwBpjQ>

<http://公网ip:53682/auth?state=O6PNFdqJW5IgojgXkwBpjQ>地址，在防火墙关闭的情况下，直接通过<http://公网ip:53682/auth?state=O6PNFdqJW5IgojgXkwBpjQ>地址也无法访问，需要通过其他工具将内网地址转为外网地址，可以通过nginx转发，也可以用其他工具进行转发

13) 安装转发工具，重新开一个ssh连接窗口，执行“wget”

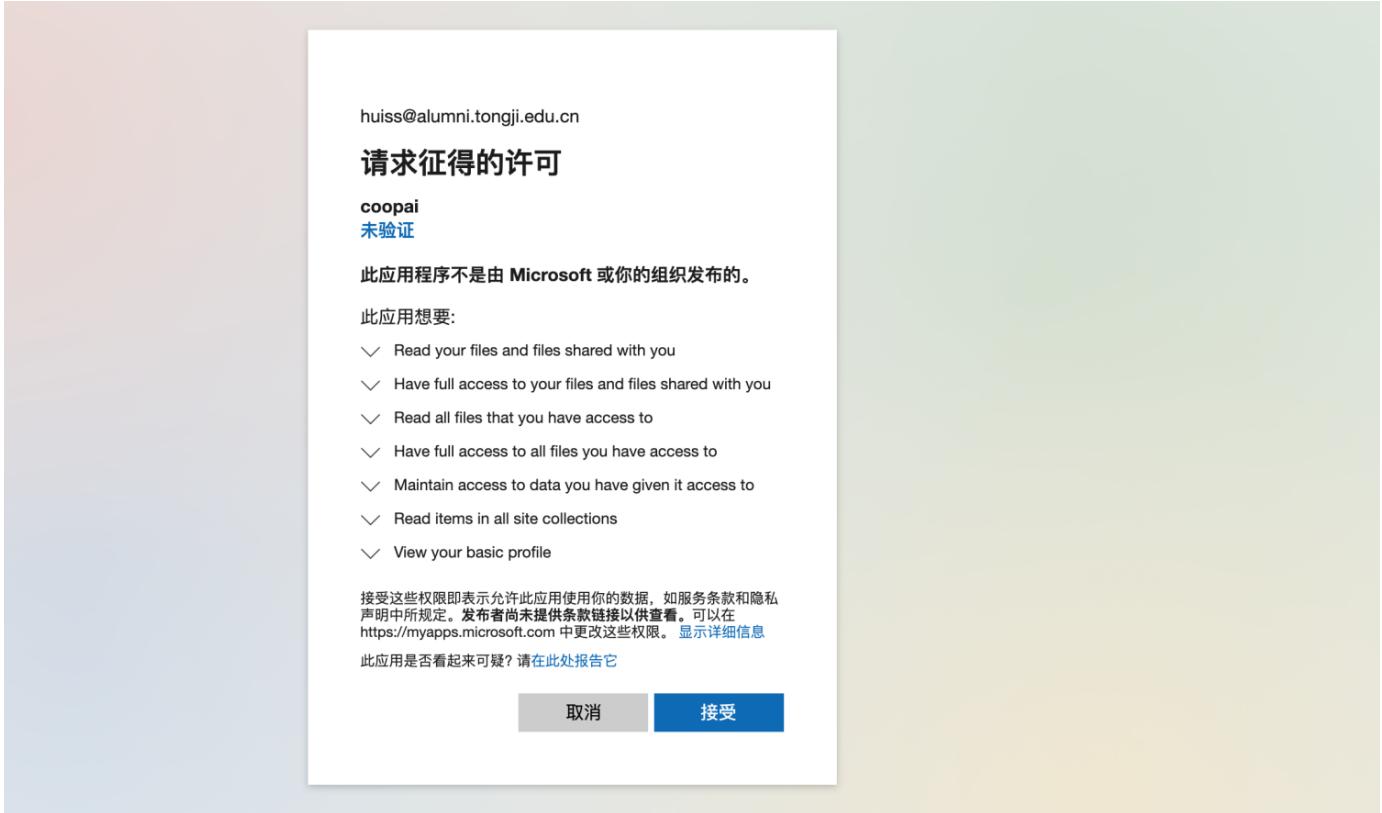
<https://github.com/Lz1y/NatSocks/releases/download/v1.0/NatSocks.x64.linux.x64>”下载工具

14) 执行授权： chmod 777 NatSocks.x64.linux.x64

15) 开启转发： ./NatSocks.x64.linux.x64 –tran 8000 127.0.0.1:53682， 将端口转发8000

```
[root@instance-20200806-1532 ~]# ./NatSocks.x64.linux.x64 –tran 8000 127.0.0.1:53682
42021/03/15 16:44:39.225934 [v] start to transmit address: 127.0.0.1:53682 to address: 127.0.0.1:8000
2021/03/15 16:44:39.225999 [+]
try to start server on:[0.0.0.0:8000]
2021/03/15 16:44:39.226086 [v] start listen at address:[0.0.0.0:8000]
```

16) 使用转发之后的地址<http://公网ip:8000/auth?state=O6PNFdqJW5IgojgXkwBpjQ>进行访问，点击接受进行授权（这里注意要用同济的账号进行登录，不是刚才申请的全局账号）



17) 授权之后会跳到<http://localhost:53682/>?

code=0.AAAAZEYM4jUDwUaAQzwbd_rERXRRbwsQ7rFOid_DMuCGGoABAPc.AQABAAIAAADF8uh
bdqMKTqrrFtoyDhmY9YYPEjVSP8GA7nqRHawfFNp7xzGIG-kc1vo396u5NDaBN-
g1SutV2fECPyTDSMQzacNsKAfNn-TpeigxyWWkw0BXR3-
ryl6f6VNceHfOMtgPBHXGfuK086D6J9SbabhaCoA9RWT6hERI_8MPu-KCMjRwFcSicdzl-6VoIL-
AbBkpMAJBTsCI3A-
DDPMmsipcwWoN3qDgumuQeFQGsmwz4D1FG17AeA947q_kQeNmyFESwZ_9ySm5Otw59tQAtYoj
XZVvfTzjJkZk2efKsMvmlu3vGUC0-DfiF2wQlarqJJupGd7QENWvDo-
jYSNruXwhPE9HZdPiGb5MEo5XTUGA6dZUnXHAoPWCG9MuUWq-
5pc74B1datrHHbSwrdBFW6iybi-loPT2jOh2Vb0scZI_hArq8iHk2vbp5hfamqCniDzfbckwC-
hSYp2Qtazjq63XP-
iOjTARwF8bmrX_eNRfyO1Ld4I_hy3qaoh2rnplLmWDZowpg6OUq53NPnCacaDRFGItnjzB4YC7LiM
RpFdM7cw7zynkodFtdVZkxPsKAMXK4cj_C_uZzTCA6Qpochr0zjNJW9meKm90CTiwBi3WwcYZ7
MwH3CVH55PIH8NFtwoctqFVgVYSZ_CQhXCqBTp0d038nTb750_u7ZhaTi3hiAA&state=O6PNFdq
JW5IgojgXkwBpjQ&session_state=99aeddb1-e44d-4068-adfa-58aca875283a#地址



无法访问此网站

localhost 拒绝了我们的连接请求。

请试试以下办法：

- 检查网络连接
 - 检查代理服务器和防火墙

ERR_CONNECTION_REFUSED

详细信息

重新加载

18) 将地址里面的ip和端口换成我们刚才映射的地址:<http://服务器公网ip:8000/>

code=0.AAAAZEYM4jUDwUaAQzwbd_rERXRRbwsQ7rFOid_DMuCGGoABAPc.AQABAAIAADF8uh
bdqMKTqrrFtoyDhmY9YYPEjVSP8GA7nqRHawfFNp7xzGIG-kc1vo396u5NDaBN-
g1SutV2fECPyTDSMQzacNsKAfNn-TpeigxyWWkw0BXR3-
ryl6f6VNceHfOMtgPBHXGfuK086D6J9SbabhaCoA9RWT6hERI_8MPu-KCMjRwFcSicdzl-6VoIL-
AbBkpMAJBTsCI3A-

DDPMmsipcwWoN3qDgumuQeFQGsmwz4D1FG17AeA947q_kQeNmyFESwZ_9ySm5Otw59tQAtYoj
XZVvfTzjJkZk2efKsMvmlu3vGUC0-DfiF2wQlarqJJupGd7QENWvDo-
jYSNruXwhPE9HZdPiGb5MEo5XTUGA6dZUnXHAoPWCG9MuUWq-
5pc74B1datrHHbSwrdBFW6iybi-IoPT2jOh2Vb0scZI_hArq8iHk2vbp5hfamqCniDzfbckwC-
hSYp2Qttsazjq63XP-

iOjTARwF8bmrX_eNRfyO1Ld4I_hy3qaoH2rnplMWDZowpg6OUq53NPnCacaDRFGItnjzB4YC7LiMRpFdM7cw7zynkodFtdVZkxPsKAMXK4cj_C_uZzTCA6Qpochr0zjNJW9meKm90CTiwBi3WwcYZ7MwH3CVH55PIH8NFtwoctqFVgVYSZ_CQhXCqBTp0d038nTb750_u7ZhaTi3hiAA&state=O6PNFdqJW5lqojqXkwBpjQ&session_state=99aeddb1-e44d-4068-adfa-58aca875283a#，授权成功

Success!

All done. Please go back to rclone.

19) 第一个ssh窗口进入选择界面, 选择1然后回车

```

y) Yes (default)
n) No
y/n> y
If your browser doesn't open automatically go to the following link: http://127.0.0.1:53682/auth?state=06PNFdqJW5IgojgXkwBpj0
Log in and authorize rclone for access
Waiting for code...
Got code
Choose a number from below, or type in an existing value
1 / OneDrive Personal or Business
  \ "onedrive"
2 / Root Sharepoint site
  \ "sharepoint"
3 / Sharepoint site name or URL (e.g. mysite or https://contoso.sharepoint.com/sites/mysite)
  \ "url"
4 / Search for a Sharepoint site
  \ "search"
5 / Type in driveID (advanced)
  \ "driveid"
6 / Type in SiteID (advanced)
  \ "siteid"
7 / Sharepoint server-relative path (advanced, e.g. /teams/hr)
  \ "path"
Your choice> 1

```

2021/03/15 10:30:39

20) 然后选择0, y, y, q结束配置

```

\ "search"
5 / Type in driveID (advanced)
  \ "driveid"
6 / Type in SiteID (advanced)
  \ "siteid"
7 / Sharepoint server-relative path (advanced, e.g. /teams/hr)
  \ "path"
Your choice> 1
Found 1 drives, please select the one you want to use:
0: OneDrive (business) id: b!..._C2KmTzJdpkl4Yv8XzsIOBu2BMiWsNi8knjfUFVITcXXmJQaF8EznkrHDU
Choose drive to use:> 0
Found drive 'root' of type 'business', URL: https://universitytongji-my.sharepoint.cn/personal/huiss_alumni_tongji_edu_cn/Documents
Is that okay?
y) Yes (default)
n) No
y/n> y
-----
[coopai]
type = onedrive
client_id = 0b6f5174-ee10-4eb1-89df-c332e0861a80
client_secret = 4v4fqtE3,2FrP6GWu55u~~4Fd~04rYh64z
region = cn
token = {"access_token": 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0FDyNzI4ZzB1czoilCJhbXi0lsicHdkIlo8ImFwcF9kaXnbGF5bmftZSI6lmnb3haSi8ImFwcGkIjoiMGi22juNxZ0tZWUxmC00ZwIxLtg5ZGytYz2MzmUwODYxTgwIFtaWx525hbwU0ilmg6ailCJnaZLb19uYw11Ijoi5Lid5oCDiIwiaXBhZGrYjjoIMjE4LjEwni4xMTguMTQ5IiwiBmtZSI6IuaDo054neaaAnSi8Im9pZC16jJ1MTN1ZjdmlWRKZTctNGVjNs11nBsYXRmIjoiNSi8InB1wQ10iixMDazMzIEME10DgNDA5iIwicmg10iwlkFBQufaRVlNNgpVRhdVYUFRendiZf9yRVJYUljid3Nrn3jgt2lkx0RNdUNHR29BQkfQYy4ilCjzY3Ai0iJGawXlc5IEZpCvLl1YLWrcml0zSBgawXlcj55Zwfkv3JpdGUuQWxs1fNpdGVzLj1YwQwQWxs1HByb2ZpbGub3B1bmLkIGvtYwlsIiwiC3ViIjoiRmlRUjBvb00Zvhfwk1fUFBLw5VwLE1wVBKQ001TwU6ImUyGM0njY0lTAzMzUtNDzjMS04MDQzLTnjMwi3N2Zhy200NS8lCjpyQ0j0jE2MTU30TC5NDAsIm5iZiIgMTyxNTc5Nzk0MCwiZhwIjoxNjE10DAx0D0QwLcJhY3IoiIxIwiYlwIjoiQVNRQTIvOEtBQUFbc3QTUFBs3FyTHFvbkVR0FDyNzI4ZzB1czoilCJhbXi0lsicHdkIlo8ImFwcF9kaXnbGF5bmftZSI6lmnb3haSi8ImFwcGkIjoiMGi22juNxZ0tZWUxmC00ZwIxLtg5ZGytYz2MzmUwODYxTgwIFtaWx525hbwU0ilmg6ailCJnaZLb19uYw11Ijoi5Lid5oCDiIwiaXBhZGrYjjoIMjE4LjEwni4xMTguMTQ5IiwiBmtZSI6IuaDo054neaaAnSi8Im9pZC16jJ1MTN1ZjdmlWRKZTctNGVjNs11nBsYXRmIjoiNSi8InB1wQ10iixMDazMzIEME10DgNDA5iIwicmg10iwlkFBQufaRVlNNgpVRhdVYUFRendiZf9yRVJYUljid3Nrn3jgt2lkx0RNdUNHR29BQkfQYy4ilCjzY3Ai0iJGawXlc5IEZpCvLl1YLWrcml0zSBgawXlcj55Zwfkv3JpdGUuQWxs1fNpdGVzLj1YwQwQWxs1HByb2ZpbGub3B1bmLkIGvtYwlsIiwiC3ViIjoiRmlRUjBvb00Zvhfwk1fUFBLw5VwLE1wVBKQ001TwU6ImUyGM0njY0lTAzMzUtNDzjMS04MDQzLTnjMwi3N2Zhy200NS8lCjpyQ0j0jE2MTU30TC5NDAsIm5iZiIgMTyxNTc5Nzk0MCwiZhwIjoxNjE10DAx0D0QwLcJhY3IoiIxIwiYlwIjoiQVNRQTIvOEtBQUFbc3QTUFBs3FyTHFvbkVR0FDyNzI4ZzB1czoilCJhbXi0lsicHdkIlo8ImFwcF9kaXnbGF5bmftZSI6lmnb3haSi8ImFwcGkIjoiMGi22juNxZ0tZWUxmC00ZwIxLtg5ZGytYz2MzmUwODYxTgwIFtaWx525hbwU0ilmg6ailCJnaZLb19uYw11Ijoi5Lid5oCDiIwiaXBhZGrYjjoIMjE4LjEwni4xMTguMTQ5IiwiBmtZSI6IuaDo054neaaAnSi8Im9pZC16jJ1MTN1ZjdmlWRKZTctNGVjNs11nBsYXRmIjoiNSi8InB1wQ10iixMDazMzIEME10DgNDA5iIwicmg10iwlkFBQufaRVlNNgpVRhdVYUFRendiZf9yRVJYUljid3Nrn3jgt2lkx0RNdUNHR29BQkfQYy4ilCjzY3Ai0iJGawXlc5IEZpCvLl1YLWrcml0zSBgawXlcj55Zwfkv3JpdGUuQWxs1fNpdGVzLj1YwQwQWxs1HByb2ZpbGub3B1bmLkIGvtYwlsIiwiC3ViIjoiRmlRUjBvb00Zvhfwk1fUFBLw5VwLE1wVBKQ001TwU6ImUyGM0njY0lTAzMzUtNDzjMS04MDQzLTnjMwi3N2Zhy200NS8lCjpyQ0j0jE2MTU30TC5NDAsIm5iZiIgMTyxNTc5Nzk0MCwiZhwIjoxNjE10DAx0D0QwLcJhY3IoiIxIwiYlwIjoiQVNRQTIvOEtBQUFbc3QTUFBs3FyTHFvbkVR0FDyNzI4ZzB1czoilCJhbXi0lsicHdkIlo8ImFwcF9kaXnbGF5bmftZSI6lmnb3haSi8ImFwcGkIjoiMGi22juNxZ0tZWUxmC00ZwIxLtg5ZGytYz2MzmUwODYxTgwIFtaWx525hbwU0ilmg6ailCJnaZLb19uYw11Ijoi5Lid5oCDiIwiaXBhZGrYjjoIMjE4LjEwni4xMTguMTQ5IiwiBmtZSI6IuaDo054neaaAnSi8Im9pZC16jJ1MTN1ZjdmlWRKZTctNGVjNs11nBsYXRmIjoiNSi8InB1wQ10iixMDazMzIEME10DgNDA5iIwicmg10iwlkFBQufaRVlNNgpVRhdVYUFRendiZf9yRVJYUljid3Nrn3jgt2lkx0RNdUNHR29BQkfQYy4ilCjzY3Ai0iJGawXlc5IEZpCvLl1YLWrcml0zSBgawXlcj55Zwfkv3JpdGUuQWxs1fNpdGVzLj1YwQwQWxs1HByb2ZpbGub3B1bmLkIGvtYwlsIiwiC3ViIjoiRmlRUjBvb00Zvhfwk1fUFBLw5VwLE1wVBKQ001TwU6ImUyGM0njY0lTAzMzUtNDzjMS04MDQzLTnjMwi3N2Zhy200NS8lCjpyQ0j0jE2MTU30TC5NDAsIm5iZiIgMTyxNTc5Nzk0MCwiZhwIjoxNjE10DAx0D0QwLcJhY3IoiIxIwiYlwIjoiQVNRQTIvOEtBQUFbc3QTUFBs3FyTHFvbkVR0FDyNzI4ZzB1czoilCJhbXi0lsicHdkIlo8ImFwcF9kaXnbGF5bmftZSI6lmnb3haSi8ImFwcGkIjoiMGi22juNxZ0tZWUxmC00ZwIxLtg5ZGytYz2MzmUwODYxTgwIFtaWx525hbwU0ilmg6ailCJnaZLb19uYw11Ijoi5Lid5oCDiIwiaXBhZGrYjjoIMjE4LjEwni4xMTguMTQ5IiwiBmtZSI6IuaDo054neaaAnSi8Im9pZC16jJ1MTN1ZjdmlWRKZTctNGVjNs11nBsYXRmIjoiNSi8InB1wQ10iixMDazMzIEME10DgNDA5iIwicmg10iwlkFBQufaRVlNNgpVRhdVYUFRendiZf9yRVJYUljid3Nrn3jgt2lkx0RNdUNHR29BQkfQYy4ilCjzY3Ai0iJGawXlc5IEZpCvLl1YLWrcml0zSBgawXlcj55Zwfkv3JpdGUuQWxs1fNpdGVzLj1YwQwQWxs1HByb2ZpbGub3B1bmLkIGvtYwlsIiwiC3ViIjoiRmlRUjBvb00Zvhfwk1fUFBLw5VwLE1wVBKQ001TwU6ImUyGM0njY0lTAzMzUtNDzjMS04MDQzLTnjMwi3N2Zhy200NS8lCjpyQ0j0jE2MTU30TC5NDAsIm5iZiIgMTyxNTc5Nzk0MCwiZhwIjoxNjE10DAx0D0QwLcJhY3IoiIxIwiYlwIjoiQVNRQTIvOEtBQUFbc3QTUFBs3FyTHFvbkVR0FDyNzI4ZzB1czoilCJhbXi0lsicHdkIlo8ImFwcF9kaXnbGF5bmftZSI6lmnb3haSi8ImFwcGkIjoiMGi22juNxZ0tZWUxmC00ZwIxLtg5ZGytYz2MzmUwODYxTgwIFtaWx525hbwU0ilmg6ailCJnaZLb19uYw11Ijoi5Lid5oCDiIwiaXBhZGrYjjoIMjE4LjEwni4xMTguMTQ5IiwiBmtZSI6IuaDo054neaaAnSi8Im9pZC16jJ1MTN1ZjdmlWRKZTctNGVjNs11nBsYXRmIjoiNSi8InB1wQ10iixMDazMzIEME10DgNDA5iIwicmg10iwlkFBQufaRVlNNgpVRhdVYUFRendiZf9yRVJYUljid3Nrn3jgt2lkx0RNdUNHR29BQkfQYy4ilCjzY3Ai0iJGawXlc5IEZpCvLl1YLWrcml0zSBgawXlcj55Zwfkv3JpdGUuQWxs1fNpdGVzLj1YwQwQWxs1HByb2ZpbGub3B1bmLkIGvtYwlsIiwiC3ViIjoiRmlRUjBvb00Zvhfwk1fUFBLw5VwLE1wVBKQ001TwU6ImUyGM0njY0lTAzMzUtNDzjMS04MDQzLTnjMwi3N2Zhy200NS8lCjpyQ0j0jE2MTU30TC5NDAsIm5iZiIgMTyxNTc5Nzk0MCwiZhwIjoxNjE10DAx0D0QwLcJhY3IoiIxIwiYlwIjoiQ
```

24) 执行 vim /usr/lib/systemd/system/rclone.service, 按键i, 然后填入内容, 然后按键esc, :, wq 进行保存

```
1 [Unit]
2 Description=Rclone Service
3 Wants=network-online.target
4 After=network-online.target
5
6 [Service]
7 Type=simple
8 User=root
9 ExecStart=/usr/bin/rclone mount coopai:/ /root/oneDrive --vfs-cache-mode full --vfs-cache-max-age 24h --vfs-cache-max-size 20G
10 ExecStopPost=/bin/fusermount -z /root/oneDrive
11
12 [Install]
13 WantedBy=multi-user.target
```

其中：

- coopai:/ 为网盘根路径
 - /root/oneDrive 为服务器挂载路径
 - --vfs-cache-max-age 24h 表示缓存24小时过期
 - --vfs-cache-max-size 20G 表示缓存占用最大空间为20G
- 25) 执行“systemctl daemon-reload”加载配置
26) 执行“systemctl enable rclone”设置开机启动
27) 执行“systemctl start rclone”启动挂载
28) 执行df -h查看挂载信息

```
[root@instance-20200806-1532 oneDrive]# df -h
Filesystem      Size  Used Avail Use% Mounted on
devtmpfs        464M    0  464M   0% /dev
tmpfs          494M    0  494M   0% /dev/shm
tmpfs          494M   51M 444M  11% /run
tmpfs          494M    0  494M   0% /sys/fs/cgroup
/dev/sda3       39G  4.0G   35G  11% /
/dev/sda1      512M  12M  501M   3% /boot/efi
tmpfs          99M    0   99M   0% /run/user/993
tmpfs          99M    0   99M   0% /run/user/1000
coopai:        1.0T 182G  843G 18% /root/oneDrive
[root@instance-20200806-1532 oneDrive]#
```

29) 进入挂载目录 cd /root/oneDrive/, 执行ll查看网盘文件, 能看到说明挂载成功

```
[root@instance-20200806-1532 oneDrive]#
[root@instance-20200806-1532 oneDrive]# ll
total 0
drwxr-xr-x 1 root root 0 Mar 11 17:30 telegram
[root@instance-20200806-1532 oneDrive]#
```

三、配置自动下载tg服务

1、获取tg的api_id和api_hash

- 1) 打开网址<https://my.telegram.org/auth?to=apps>, 输入手机号码进行登录, 其中Confirmation code可以打开tg手机客户端进行查看

Home FAQ Apps API Protocol



Delete Account or Manage Apps

Log in here to manage your apps using Telegram API or delete your account. Enter your number and we will send you a confirmation code via Telegram (not SMS).

Your Phone Number
+86186... 

Please enter your number in [international format](#)

[Next](#)

- 2) 登录成功后, 复制app_id, 和api_hash并记录

Home FAQ Apps API Protocol

App configuration

App api_id:	2135439	
App api_hash:	aa38ea51... 231a6da91a	
App title:	 	
Short name:	 alphanumeric, 5-32 characters	

APNS certificates [Update](#)

Available MTProto servers

2、配置tg下载服务

- 1) 安装依赖

```
1 yum install gcc -y
2 yum install python3 -y
3 yum install python3-devel -y
4 yum install git -y
```

2) 下载脚本 (说明: 脚本在原脚本的基础上做了简化, 只保留了自动下载功能, 若需要请他功能可下载原脚本)

```
1 git clone https://github.com/yinqf/telegram_channel_downloader.git
```

原脚本地址: https://github.com/snow922841/telegram_channel_downloader

3) 进入下载之后的目录, 执行安装命令

```
1 cd telegram_channel_downloader/
2 pip3 install -r requirements.txt
```

```
[root@instance-20200806-1532 ~]# cd telegram_channel_downloader/
[root@instance-20200806-1532 telegram_channel_downloader]# pip3 install -r requirements.txt
WARNING: Running pip install with root privileges is generally not a good idea. Try `pip3 install --user` instead.
Collecting telethon (from -r requirements.txt (line 1))
  Downloading https://files.pythonhosted.org/packages/da/35/9f3b273566284f961d19caa0f7a163af2d56cc2a31619f38a176bc779c8a/Telethon-1.
  100% |████████████████████████████████| 522kB 1.3MB/s
Collecting cryptg (from -r requirements.txt (line 2))
  Downloading https://files.pythonhosted.org/packages/48/0c/ebe7da964655cbae03c369b4da8375eaec8ae51d11212f946355180c15a1/cryptg-0.2.
B)
```

4) 修改配置参数, vim tg_channel_downloader.py, 然后按键esc, :, wq进行保存

```
#!/usr/bin/env python3
import difflib
import os
import re
import time
import asyncio
import asyncio.subprocess
import logging
from telethon import TelegramClient, events, errors
from telethon.tl.types import MessageMediaWebPage

#####
# api_id = 2135439 # your telegram api id
# api_hash = 'aa38ea51ba2bxxxxxxxxf9231a6da91a' # your telegram api hash
# save_path = '/root/telegram' #
max_num = 5 # 同时下载数量
# filter chat id /过滤某些频道不下载
blacklist = []
#####

logging.basicConfig(format='%(asctime)s - %(name)s - %(levelname)s - %(message)s',
                    level=logging.WARNING)
logger = logging.getLogger(__name__)
queue = asyncio.Queue()

# 文件夹/文件名称处理
def validateTitle(title):
    r_str = r"[\\\\:\\*\\?\"\\<\\>\\\\\\n]" # '/ \ : * ? " < > |'
    new_title = re.sub(r_str, "_", title) # 替换为下划线
    return new_title
```

修改 app_id
修改 app_hash
修改保存路径为 onedrive 挂载盘符路径

5) 启动脚本开始下载

```
1 python3 -u tg_channel_downloader.py > py.log 2>&1 &
```

6) 查看下载日志

```
1 tail -f py.log
```

```
[root@xtyun downloader]# tail -f py.log
2021-03-16 10:01:30 开始下载: 全网鉴黄中心 - 6293042 - 6233071074027875175.jpg
2021-03-16 10:01:30 下载完成: 全网鉴黄中心 - 6293043 - 6233071074027875176.jpg
2021-03-16 10:01:30 下载完成: 全网鉴黄中心 - 6293042 - 6233071074027875175.jpg
2021-03-16 10:01:43 开始下载: 全网鉴黄中心 - 6293047 - 6233071074027875177.jpg
2021-03-16 10:01:43 下载完成: 全网鉴黄中心 - 6293047 - 6233071074027875177.jpg
2021-03-16 10:03:44 下载完成: 全网鉴黄中心 - 6293028 - .mp4
2021-03-16 10:05:30 开始下载: 全网鉴黄中心 - 6293060 - 6233071074027875179.jpg
2021-03-16 10:05:30 开始下载: 全网鉴黄中心 - 6293061 - 6233071074027875180.jpg
2021-03-16 10:05:30 下载完成: 全网鉴黄中心 - 6293060 - 6233071074027875179.jpg
2021-03-16 10:05:31 下载完成: 全网鉴黄中心 - 6293061 - 6233071074027875180.jpg
```

7) 登录onedrive网盘查看数据是否自动完成同步;

