

从YouTube下载视频

- 工具准备

- *yt - dlp*

```
https://github.com/yt-dlp/yt-dlp
```

- 格式工厂

- *YouTube*视频封面获取

```
https://www.strerr.com/
```

- *VPN*

```
https://t.me/s/cylink_announcement
```

- 流程

1. 获取*YouTube*上的视频对应*URL*链接
2. 根据链接在终端使用*yt - dlp*下载对应视频到本地
3. 当出现下载的视频与其对应的音频分离的情况时：分别下载视频与其音频，使用格式工厂进行混流合并
4. 使用*YouTube*视频封面获取网站获取视频封面
5. 上传至b站（严肃说明转载问题、简介参考furu_BriefIntroduction.txt）

- *KEY - POINT*

- *yt - dlp*的使用

- 查看*URL*对应的信息选项参数 *-F*

举例：

```
yt-dlp -F https://www.youtube.com/watch?v=y60zCX2Y21c
```

```
PS C:\Users\lenovo> yt-dlp -I https://www.youtube.com/watch?v=y60zCX2Y2lc

Usage: yt-dlp [OPTIONS] URL [URL...]

yt-dlp: error: Invalid playlist-items 'https://www.youtube.com/watch?v=y60zCX2Y2lc': 'https://www.youtube.com/watch?v=y60zCX2Y2lc'
PS C:\Users\lenovo> yt-dlp -F https://www.youtube.com/watch?v=y60zCX2Y2lc
[youtube] y60zCX2Y2lc: Downloading webpage
[youtube] y60zCX2Y2lc: Downloading android player API JSON
[info] Available formats for y60zCX2Y2lc:

```

ID	EXT	RESOLUTION	FPS	CH	FILESIZE	TBR	PROTO	VCODEC	VBR	ACODEC	ABR	ASR	MORE	INFO
sb2	mhtml	48x27	0				https	mhtml		images				storyboard
sb1	mhtml	80x45	0				https	mhtml		images				storyboard
sb0	mhtml	160x90	0				https	mhtml		images				storyboard
599	m4a	audio only	2		2.24MiB	31k	https	audio only		mp4a.40.5	31k	22k	ultralow,	m4a_dash
600	webm	audio only	2		2.25MiB	31k	https	audio only		opus	31k	48k	ultralow,	webm_dash
139	m4a	audio only	2		3.55MiB	49k	https	audio only		mp4a.40.5	49k	22k	low,	m4a_dash
249	webm	audio only	2		3.34MiB	46k	https	audio only		opus	46k	48k	low,	webm_dash
250	webm	audio only	2		4.44MiB	61k	https	audio only		opus	61k	48k	low,	webm_dash
140	m4a	audio only	2		9.42MiB	129k	https	audio only		mp4a.40.2	129k	44k	medium,	m4a_dash
17	3gp	176x144	8	1	5.48MiB	75k	https	mp4v.20.3	75k	mp4a.40.2	0k	22k	144p	
597	mp4	256x144	15		4.02MiB	55k	https	avc1.4d400b	55k	video only			144p,	mp4_dash
598	webm	256x144	15		4.69MiB	64k	https	vp9	64k	video only			144p,	webm_dash
160	mp4	256x144	30		8.49MiB	117k	https	avc1.4d400c	117k	video only			144p,	mp4_dash
278	webm	256x144	30		8.99MiB	124k	https	vp9	124k	video only			144p,	webm_dash
242	webm	426x240	30		19.44MiB	267k	https	vp9	267k	video only			240p,	webm_dash
134	mp4	640x360	30		41.88MiB	576k	https	avc1.4d401e	576k	video only			360p,	mp4_dash
18	mp4	640x360	30	2	48.29MiB	664k	https	avc1.42001E	664k	mp4a.40.2	0k	44k	360p	
243	webm	640x360	30		40.37MiB	555k	https	vp9	555k	video only			360p,	webm_dash
244	webm	854x480	30		71.17MiB	979k	https	vp9	979k	video only			480p,	webm_dash
22	mp4	1280x720	30	2	~154.32MiB	2072k	https	avc1.64001F	2072k	mp4a.40.2	0k	44k	720p	
136	mp4	1280x720	30		141.42MiB	1945k	https	avc1.64001f	1945k	video only			720p,	mp4_dash
247	webm	1280x720	30		156.98MiB	2159k	https	vp9	2159k	video only			720p,	webm_dash
298	mp4	1280x720	60		240.01MiB	3300k	https	avc1.640020	3300k	video only			720p60,	mp4_dash
299	mp4	1920x1080	60		388.41MiB	5341k	https	avc1.64002a	5341k	video only			1080p60,	mp4_dash
303	webm	1920x1080	60		387.32MiB	5326k	https	vp9	5326k	video only			1080p60,	webm_dash
308	webm	2560x1440	60		873.19MiB	12007k	https	vp9	12007k	video only			1440p60,	webm_dash

- 根据所查到的信息界面的`id`，利用选项参数 `-f` 可进行对应项目下载

举例1:

```
yt-dlp https://www.youtube.com/watch?v=y60zCX2Y2lc -f140
```

```
PS C:\Users\lenovo> yt-dlp https://www.youtube.com/watch?v=y60zCX2Y2lc -f140
[youtube] y60zCX2Y2lc: Downloading webpage
[youtube] y60zCX2Y2lc: Downloading android player API JSON
WARNING: [youtube] <urlopen error [Errno 0] Error>. Retrying (1/3)...
[youtube] y60zCX2Y2lc: Downloading android player API JSON
WARNING: [youtube] <urlopen error [Errno 0] Error>. Retrying (2/3)...
[youtube] y60zCX2Y2lc: Downloading android player API JSON
[info] y60zCX2Y2lc: Downloading 1 format(s): 140
[download] Destination: New Spiral Abyss 3.2 - Bunny Amber & Quicken Collei - Floor 12 / 9 star / Lumine + 4-star only [y60zCX2Y2lc].m4a
[download] 100% of 9.42MiB in 00:00:06 at 1.36MiB/s
WARNING: y60zCX2Y2lc: writing DASH m4a. Only some players support this container. Install ffmpeg to fix this automatically
```

举例2: 可用 `+` 进行多个多个项目的同时下载

```
yt-dlp https://www.youtube.com/watch?v=y60zCX2Y2lc -fsb2+308
```

- 如果已经安装过 `ffmpeg`，可以使用选项参数 `--merge-output-format`，转成 `mp4` 格式可直接写上其参数

举例:

```
yt-dlp --merge-output-format mp4 https://www.youtube.com/watch?v=y60zCX2Y2lc -f140+308
```

- 一些小事情: 要有 `Python3` 环境，会用终端，安装 `yt-dlp` 的命令:

```
pip3 install yt-dlp
```

其他的就去看前面给的官方文档吧，这些比较常用列出来