
BaiduPCS Documentation

Release 0.3.2

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BaiduPCS

PCS Python SDK.

- Documentation: <http://baidupcs.rtfid.org>
- GitHub: <https://github.com/mozillazg/baidu-pcs-python-sdk>
- Free software: MIT license
- PyPI: <https://pypi.python.org/pypi/baidupcs>
- Python version: 2.6, 2.7, 3.3

1.1 Installation

To install baidupcs, simply:

```
$ pip install baidupcs
```

1.2 Basic Usage

```
>>> from baidupcs import PCS
>>> pcs = PCS('access_token')
>>> response = pcs.info()
>>> response
<Response [200]>
>>> response.ok
True
>>> response.status_code
200
>>> response.content
'{"quota":6442450944,"used":5138887,"request_id":1216061570}'
>>> response.json()
{'u'used': 5138887, u'quota': 6442450944L, u'request_id': 1216061570}
```

1.3 FAQ

Please visit [Wiki](#) .

1.4 Contents

1.4.1 API

`class baidupcs.InvalidToken`
Access Token .

PCS

`class baidupcs.PCS (access_token, api_template='https://pcs.baidu.com/rest/2.0/pcs/{0}')`
PCSPython SDK.

api `requests.Response` :

```
>>> pcs = PCS('access_token')
>>> response = pcs.info()
>>> response
<Response [200]>
>>> response.ok # 200
True
>>> response.status_code #
200
>>> response.content # /json
'{"quota":6442450944,"used":5138887,"request_id":1216061570}'
>>>
>>> response.json() # json python dict
{'u'used': 5138887, u'quota': 6442450944L, u'request_id': 1216061570}
```

api

api `response.json()` PCS

`PCS.info (**kwargs)`

.

Returns Response

`PCS.upload (remote_path, file_content, ondup=None, **kwargs)`
<2G.

PCS2G
>2G“”

Parameters

- **remote_path** – /apps/

Warning:

- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B

- **file_content** – / (e.g. `open('foobar', 'rb')`)
- **ondup** –
 - ‘overwrite’
 - ‘newcopy’“ _.”

Returns Response

—
PCS.**upload_tmpfile** (*file_content*, ***kwargs*)

PCS 2G

>2G upload_tmpfile upload_superfile

1.2G upload_tmpfile

2.upload_superfile

upload_superfile

Parameters **file_content** – / (e.g. `open('foobar', 'rb')`)

Returns Response

—
PCS.**upload_superfile** (*remote_path*, *block_list*, *ondup=None*, ***kwargs*)

upload_tmpfile >2G

Parameters

- **remote_path** – /apps/

Warning:

- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B

- **block_list** (*list*) – MD5 1024

- **ondup** –
 - ‘overwrite’
 - ‘newcopy’“_.”

Returns Response

`PCS.download(remote_path, **kwargs)`

download HTTPRange request“Range: bytes=0-99” 100 “Range: bytes=100-199” 100:

```
>>> headers = {'Range': 'bytes=0-99'}
>>> pcs = PCS('token')
>>> pcs.download('/apps/test_sdk/test.txt', headers=headers)
```

Parameters `remote_path` – /apps/

Warning:

- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B

Returns Response

`PCS.mkdir(remote_path, **kwargs)`

Parameters `remote_path` – /apps/

Warning:

- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B

Returns Response

/

`PCS.meta(remote_path, **kwargs)`

Parameters `remote_path` – /apps/

Warning:

- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B

Returns Response

/

PCS.**multi_meta** (*path_list*, ****kwargs**)

Parameters *path_list* (*list*) – / /apps/

Warning:

- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B

Returns Response

PCS.**list_files** (*remote_path*, *by=None*, *order=None*, *limit=None*, ****kwargs**)

Parameters

- **remote_path** – /apps/

Warning:

- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B

- **by** –
 - time
 - name
 - size
- **order** – “asc”“desc”
 - asc
 - desc
- **limit** – n1-n2
[n1, n2) n10

Returns Response

/

PCS.**move** (*from_path*, *to_path*, ****kwargs**)

Parameters

- **from_path** – /

```
Warning:
- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B
```

- `to_path` - /

```
Warning:
- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B
```

Returns Response

/

`PCS.multi_move` (*path_list*, ***kwargs*)

Parameters *path_list* (*list*) -:

```
>>> path_list = [
...   ('/apps/test_sdk/test.txt', #
...   '/apps/test_sdk/testmkdir/b.txt' #
...   ),
...   ('/apps/test_sdk/test.txt', #
...   '/apps/test_sdk/testmkdir/b.txt' #
...   ),
... ]
```

```
Warning:
• 1000
• \\ ? | " > < : *
• . \r, \n, \t, , \0, \x0B
```

Returns Response

/

`PCS.copy` (*from_path*, *to_path*, ***kwargs*)

Parameters

- `from_path` - /

```
Warning:
- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B
```

- `to_path - /`

```
Warning:
- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B
```

Returns Response

```
Warning: move copy
```

/

`PCS.multi_copy(path_list, **kwargs)`

Parameters `path_list (list) - :`

```
>>> path_list = [
...     ('/apps/test_sdk/test.txt', #
...     '/apps/test_sdk/testmkdir/b.txt' #
...     ),
...     ('/apps/test_sdk/test.txt', #
...     '/apps/test_sdk/testmkdir/b.txt' #
...     ),
... ]
```

```
Warning:
• 1000
• \\ ? | " > < : *
• . \r, \n, \t, , \0, \x0B
```

Returns Response

/

`PCS.delete(remote_path, **kwargs)`

```
Warning:
• /
• 101010
```

Parameters `remote_path (str) - /apps/`

```
Warning:
• 1000
• \\ ? | " > < : *
• . \r, \n, \t, , \0, \x0B
```

Returns Response

/

PCS.**multi_delete** (*path_list*, ****kwargs**)

Warning:

- /
- 101010

Parameters *path_list* (*list*) – / /apps/

Warning:

- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B

Returns Response

PCS.**search** (*remote_path*, *keyword*, *recurrent='0'*, ****kwargs**)

Parameters

- **remote_path** (*str*) – /apps/

Warning:

- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B

- **keyword** (*str*) –
- **recurrent** (*str*) –
 - “0”
 - “1”

Returns Response

PCS.**thumbnail** (*remote_path*, *height*, *width*, *quality=100*, ****kwargs**)

Parameters

- **remote_path** – /apps/

Warning:

```
- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B
```

- **height** (*int*) – (0,1600]
- **width** (*int*) – (0,1600]
- **quality** (*int*) – 100(0,100]

Returns Response

Warning:

```
•(0, 10M]
•: jpgjpegbmpgifpng
•:gif gif
```

PCS.**diff** (*cursor*='null', ***kwargs*)

..

Parameters *cursor* (*str*) –

- cursor=null
- diff cursor

Returns Response

PCS.**video_convert** (*remote_path*, *video_type*, ***kwargs*)

. HLS/M3U8 [SDK](#) .

Parameters

- **remote_path** (*str*) – /

Warning:

```
- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B
```

- **video_type** (*str*) – M3U8_320_240M3U8_480_224M3U8_480_360
M3U8_640_480M3U8_854_480

Returns Response

Warning:		
Apple HTTP Live Streaming	m3u8/m3u	iOS
ASF	asf	
AVI	avi	
Flash Video (FLV)	flv	Macromedia Flash
GIF Animation	gif	
Matroska	mkv	Matroska/WebM
MOV/QuickTime/MP4	mov/mp4/m4a/ 3gp/3g2/mj2	3GP3GP2PSPiPod
MPEG-PS (program stream)	mpeg	VOB/SVCD/DVD
MPEG-TS (transport stream)	ts	DVB
RealMedia	rm/rmvb	Real
WebM	webm	Html

`PCS.list_streams` (*file_type*, *start=0*, *limit=100*, *filter_path=None*, ***kwargs*)

Parameters

- **file_type** – videoaudioimagedoc
- **start** – 0
- **limit** – 1000
- **filter_path** – /apps/album

<p>Warning:</p> <ul style="list-style-type: none"> - 1000 - \\ ? " > < : * - . \r, \n, \t, , \0, \x0B

Returns Response

`PCS.download_stream` (*remote_path*, ***kwargs*)

..

Parameters *remote_path* – /

<p>Warning:</p> <ul style="list-style-type: none"> • 1000 • \\ ? " > < : * • . \r, \n, \t, , \0, \x0B

Returns Response

PCS.**rapid_upload**(*remote_path*, *content_length*, *content_md5*, *content_crc32*, *slice_md5*, *ondup=None*,
 ***kwargs*)

Warning:

- 256KB 256*1024 B
- 256KBMD5 (1)

Parameters

- **remote_path** –

Warning:

- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B

- **content_length** –
- **content_md5** – MD5
- **content_crc32** – CRC32
- **slice_md5** – MD5
- **ondup** –
 - ‘overwrite’
 - ‘newcopy’“_.”

Returns Response

PCS.**add_download_task**(*source_url*, *remote_path*, *rate_limit=None*, *timeout=3600*, *expires=None*,
callback='', ***kwargs*)

Parameters

- **source_url** – URL
- **remote_path** –

Warning:

- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B

- **rate_limit** (*int or long*) –
- **timeout** – 3600
- **expires** (*int*) –
- **callback** (*str*) –

Returns Response

`PCS.query_download_tasks` (*task_ids*, *operate_type=1*, *expires=None*, ***kwargs*)
ID

Parameters

- **task_ids** (*list or tuple*) – ID
- **operate_type** –
 - 0
 - 11
- **expires** (*int*) –

Returns Response

`PCS.list_download_tasks` (*need_task_info=1*, *start=0*, *limit=10*, *asc=0*, *create_time=None*, *status=None*, *source_url=None*, *remote_path=None*, *expires=None*, ***kwargs*)
ID.

Parameters

- **need_task_info** – :
 - 0
 - 11
- **start** – 0
- **limit** – 10
- **asc** –
 - 0
 - 1
- **create_time** (*int*) –
- **status** (*int*) – 0:1: 2:3: 4:5:, 6:, 7:, 8:.
- **source_url** – URL
- **remote_path** –

Warning:

- 1000
- \\ ? | " > < : *
- . \r, \n, \t, , \0, \x0B

- **expires** (*int*) –

Returns Response

PCS.**cancel_download_task** (*task_id*, *expires=None*, ***kwargs*)

Parameters

- **task_id** (*str*) – ID
- **expires** (*int*) –

Returns Response

PCS.**list_recycle_bin** (*start=0*, *limit=1000*, ***kwargs*)

Parameters

- **start** – 0
- **limit** – 1000

Returns Response

PCS.**restore_recycle_bin** (*fs_id*, ***kwargs*)
sleep 1.

Parameters **fs_id** (*str*) – PCSID

Returns Response

PCS.**multi_restore_recycle_bin** (*fs_ids*, ***kwargs*)
sleep 1.

Parameters **fs_ids** (*list or tuple*) – PCS ID

Returns Response

PCS.**clean_recycle_bin** (***kwargs*)

Returns Response

tools

Access Token Refresh Token

baidupcs.tools.**get_new_access_token** (*refresh_token*, *client_id*, *client_secret*, *scope=None*,
***kwargs*)

Refresh Token Access Token.

Parameters

- **refresh_token** – Access Token Refresh Token
- **client_id** – API Key
- **client_secret** – Secret Key;
- **scope** – Access Token Refresh Token Access Token scope Access Token “ ”

Returns Response

```
response.json()
```

1.4.2 Changelog

0.3.2 (2014-03-23)

- `tools.get_new_access_token` Access Token Refresh Token
-
- `verify=False` SSLError

0.3.1 (2013-10-25)

- `api c.pcs.baidu.com d.pcs.baidu.com`

0.3.0 (2013-09-13)

- `baidupcs.InvalidToken`

0.2.0 (2013-09-12)

- Python 3

0.1.0 (2013-09-09)

- RESET API.

1.5 Indices and tables

- *genindex*
- *modindex*
- *search*