

# Aiobotocore

<https://github.com/aio-libs/aiobotocore>

```
import asyncio
from aiobotocore.session import get_session

AWS_ACCESS_KEY_ID = "xxx"
AWS_SECRET_ACCESS_KEY = "xxx"

async def go():
    bucket = 'dataintake'
    filename = 'dummy.bin'
    folder = 'aiobotocore'
    key = '{}/{}'.format(folder, filename)

    session = get_session()
    async with session.create_client('s3', region_name='us-west-2',
                                    aws_secret_access_key=AWS_SECRET_ACCESS_KEY,
                                    aws_access_key_id=AWS_ACCESS_KEY_ID) as client:

        # upload object to amazon s3
        data = b'\x01'*1024
        resp = await client.put_object(Bucket=bucket,
                                       Key=key,
                                       Body=data)

        print(resp)

        # getting s3 object properties of file we just uploaded
        resp = await client.get_object_acl(Bucket=bucket, Key=key)
        print(resp)

        # get object from s3
        response = await client.get_object(Bucket=bucket, Key=key)
        # this will ensure the connection is correctly re-used/closed
        async with response['Body'] as stream:
            assert await stream.read() == data

        # list s3 objects using paginator
        paginator = client.get_paginator('list_objects')
        async for result in paginator.paginate(Bucket=bucket, Prefix=folder):
            for c in result.get('Contents', []):
                print(c)

        # delete object from s3
        resp = await client.delete_object(Bucket=bucket, Key=key)
        print(resp)

loop = asyncio.get_event_loop()
loop.run_until_complete(go())
```

К сожалению, по этой библиотеке документации немного. Но название методов и сама библиотека в точности повторяет описание API от Amazon, например:

- метод **client.get\_object\_acl** — [API GetObjectAcl](#)
- метод **client.put\_object** — [API PutObject](#)
- метод **client.get\_paginator('list\_objects')** — [API ListObjects](#)

Общий список доступных методов объекта client:

- abort\_multipart\_upload
- can\_paginate
- close
- complete\_multipart\_upload
- copy\_object
- create\_bucket
- create\_multipart\_upload
- delete\_bucket
- delete\_bucket\_analytics\_configuration
- delete\_bucket\_cors
- delete\_bucket\_encryption
- delete\_bucket\_intelligent\_tiering\_configuration
- delete\_bucket\_inventory\_configuration
- delete\_bucket\_lifecycle
- delete\_bucket\_metrics\_configuration
- delete\_bucket\_ownership\_controls
- delete\_bucket\_policy
- delete\_bucket\_replication
- delete\_bucket\_tagging
- delete\_bucket\_website
- delete\_object
- delete\_object\_tagging
- delete\_objects
- delete\_public\_access\_block
- exceptions
- generate\_presigned\_post
- generate\_presigned\_url
- get\_bucket\_accelerate\_configuration
- get\_bucket\_acl
- get\_bucket\_analytics\_configuration
- get\_bucket\_cors
- get\_bucket\_encryption
- get\_bucket\_intelligent\_tiering\_configuration
- get\_bucket\_inventory\_configuration
- get\_bucket\_lifecycle
- get\_bucket\_lifecycle\_configuration
- get\_bucket\_location
- get\_bucket\_logging
- get\_bucket\_metrics\_configuration
- get\_bucket\_notification
- get\_bucket\_notification\_configuration
- get\_bucket\_ownership\_controls
- get\_bucket\_policy
- get\_bucket\_policy\_status
- get\_bucket\_replication
- get\_bucket\_request\_payment
- get\_bucket\_tagging
- get\_bucket\_versioning
- get\_bucket\_website
- get\_object
- get\_object\_acl
- get\_object\_legal\_hold
- get\_object\_lock\_configuration
- get\_object\_retention
- get\_object\_tagging
- get\_object\_torrent
- get\_paginator
- get\_public\_access\_block
- get\_waiter
- head\_bucket
- head\_object
- list\_bucket\_analytics\_configurations
- list\_bucket\_intelligent\_tiering\_configurations
- list\_bucket\_inventory\_configurations
- list\_bucket\_metrics\_configurations
- list\_buckets
- list\_multipart\_uploads
- list\_object\_versions
- list\_objects
- list\_objects\_v2
- list\_parts
- meta
- put\_bucket\_accelerate\_configuration
- put\_bucket\_acl
- put\_bucket\_analytics\_configuration
- put\_bucket\_cors
- put\_bucket\_encryption
- put\_bucket\_intelligent\_tiering\_configuration
- put\_bucket\_inventory\_configuration
- put\_bucket\_lifecycle
- put\_bucket\_lifecycle\_configuration
- put\_bucket\_logging
- put\_bucket\_metrics\_configuration
- put\_bucket\_notification
- put\_bucket\_notification\_configuration
- put\_bucket\_ownership\_controls
- put\_bucket\_policy
- put\_bucket\_replication
- put\_bucket\_request\_payment
- put\_bucket\_tagging
- put\_bucket\_versioning
- put\_bucket\_website
- put\_object
- put\_object\_acl
- put\_object\_legal\_hold
- put\_object\_lock\_configuration
- put\_object\_retention
- put\_object\_tagging
- put\_public\_access\_block
- restore\_object
- select\_object\_content
- upload\_part
- upload\_part\_copy
- waiter\_names
- write\_get\_object\_response