CHAPTER 1

aiolxd.remote
CHAPTER 3

aiolxd.api.http
aioLXD - Asynchronous client library for the LXD API

aioLXD is an asyncio-based client library for the LXD REST API. It provides an high level API to interact with resources on LXD servers, such as containers, images, networks, profiles and storage.

LXD servers are accessible through the `aiollxd.remote.Remote` class, which exposes server details and configuration, as well as access to resource collections.

Collections (such as `containers`, `images`, `profiles`, `networks`, . . .) allow creating and fetching resources, which can be modified, updated or deleted.

For example:

```python
from pprint import pprint
from aiollxd import lxc

# get all remotes defined in the client config
remotes = lxc.get_remotes()
async with remotes['local'] as remote:
    # fetch all images and print their details
    resp = await remote.images.read()
    for image in resp:
        resp = await image.read()
        pprint(resp.metadata)
        # image details have been read, now they're also cached (same output as above)
        pprint(image.details())

# fetch a single container by name
container = await remote.containers.get('c')
pprint(container.details())
# rename it
await container.rename('new-c')
```

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# change some details
await container.update({'description': 'foo'})

# and now delete it
await container.delete()

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