

wol-api

1.1

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# Chapter 1

## index.py, The home of our API

### 1.1 Description and Copyright notice.

This file is the main application that runs the wol-api. In this application we declare all the possible API calls that can be made with this api while it is active.

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This file is part of wol-api.

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### 1.2 Notes

- This application is still very early in its production, please handle the product at your own risk



## Chapter 2

# WOL-API

### 2.1 Watch-on-LBRY API proxy that saves data from LBRY to a database

#### Requirements:

- pipenv
- flask (pipenv install flask)
- postgresql
- libpq-dev

#### Installation instructions:

Clone the repository from Github:

Change working directory to the recently cloned folder:  
```cd wol-ap`

Install dependencies:

Run the API:  
```pipenv run python src/apimod/index.p`

See </docs/html/index.html> for more info.



## Chapter 3

# Class Documentation

### 3.1 apimod.apcnf.Config Class Reference

#### Static Public Attributes

- string **logpath** = "~/projects/wol-api/"
- string **erppath** = "~/projects/wol-api/"
- string **postgun** = "test"
- string **postgpw** = "test"
- string **postghost** = "127.0.0.1"
- string **postgport** = "5432"
- string **postdbname** = "testdb"

#### 3.1.1 Detailed Description

This is the configuration file for the API

Here we can set the database name, username, password et cetera.

Definition at line 1 of file apcnf.py.

The documentation for this class was generated from the following file:

- apcnf.py





## Chapter 4

# File Documentation

### 4.1 index.py File Reference

The main file where the API functions are declared.

#### Functions

- `def apimod.index.ret_ok ()`  
*Returns the Documentation webpage.*
- `def apimod.index.isonline ()`  
*Returns a JSON online object.*
- `def apimod.index.error_report ()`  
*Report an error by sending a POST request to /api/report-error.*
- `def apimod.index.getlch ()`  
*Get information about a YouTube Channel.*
- `def apimod.index.getlurl ()`  
*Get information about a YouTube Video.*

#### Variables

- `apimod.index.app = Flask(__name__)`
- `int apimod.index.debug = 0`
- `apimod.index.filename`
- `apimod.index.level`
- `apimod.index.DEBUG`
- `apimod.index.format`
- `apimod.index.con`
- `apimod.index.cursor = con.cursor()`

#### 4.1.1 Detailed Description

The main file where the API functions are declared.

### 4.1.2 description\_index

This file is the main application that runs the wol-api. In this application we declare all the possible API calls that can be made with this api while it is active.

### 4.1.3 Libraries/Modules

- Flask
- os
- [apcnf.py](#)
- psycpg2
- psycpg2.extras
- json
- collections
- requests
- youtube\_dl
- datetime
- logging

### 4.1.4 ToDo

- Change the API landing page (/api/)

### 4.1.5 Author(s)

- Created by Tibroness ( <https://github.com/devbrones>) as per request by Madiator ( <https://github.com/kodxana>)
- Modified by Tibroness ( <https://github.com/devbrones>)

### 4.1.6 Function Documentation

#### 4.1.6.1 error\_report()

```
def apimod.index.error_report ( )
```

Report an error by sending a POST request to /api/report-error.

Error reporting function. TODO: This code needs to be adapted to work better with a database rather than JSON

## Parameters

<i>error-report-type</i>	Can be "exception", "bug", or even "abcdefg"
<i>error-report-value</i>	The error message to be passed to the log, i.e. "Extension did not load."

## Returns

204

Raises: Error in "error-reports" file.

Examples: `curl -X POST -H "Content-Type: application/json" -d '{"error-report-type":"exception","error-report-value":"Extension could not read webcontent"}'` <http://localhost:5000/api/report-error>

Writes an error in the above seen JSON format into the "error-reports" file.

Definition at line 141 of file index.py.

#### 4.1.6.2 getlch()

```
def apimod.index.getlch ( )
```

Get information about a YouTube Channel.

This function gets information on from odysee's API and saves that data to a database, and eventually returns a JSON Object. If an entry for the URL exists then it reads from that database entry.

## Parameters

<i>url</i>	The YouTube URL
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## Returns

A JSON dictionary like this one:

Raises: Entry in log. Database functions.

Examples: `curl http://localhost:5000/api/get-lbry-channel?url=CHANNELID` Returns↵  
: {"dstamp": TIME\_WAS\_ADDED,"id":ID,"lbrych":LBRY\_CHANNEL\_URL,"ytch":null,"yturl":CHANNELID}

Definition at line 171 of file index.py.

#### 4.1.6.3 getlurl()

```
def apimod.index.getlurl ( )
```

Get information about a YouTube Video.

This function gets information on from odysee's API and saves that data to a database, and eventually returns a JSON Object. If an entry for the URL exists then it reads from that database entry.

**Parameters**

<i>url</i>	The YouTube URL
------------	-----------------

**Returns**

A JSON dictionary like this one: {"dstamp":"2022-01-04 23:26:09.752372+00:00","id":2,"lbrych":"@AlphaNerd#8d497e7e96c789364c56aea7a35827d2dc1eea65","lbryurl":"@AlphaNerd#8/how-monero-works-and-why-its-a-better#a","yttile":"How Monero Works (And Why its a Better Currency Than BTC)","yturl":"QrHsFZBab4U"}

Raises: Entry in log. Database functions.

Examples: curl `http://localhost:5000/api/get-lbry-video?url=QrHsFZBab4U` Returns: { "dstamp":"2022-01-04 23:26:09.752372+00:00", "id":2, "lbryurl":"@AlphaNerd#8/how-monero-works-and-why-its-a-better#a", "yttile":"How Monero Works (And Why its a Better Currency Than BTC)", "yturl":"QrHsFZBab4U" }

Definition at line 262 of file index.py.

**4.1.6.4 isonline()**

```
def apimod.index.isonline ( )
```

Returns a JSON online object.

This feature is obsolete but I kept it anyways.

**Parameters**

<i>None</i>	None
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**Returns**

[{"online":true}] Raises: 200 OK

Definition at line 126 of file index.py.

**4.1.6.5 ret\_ok()**

```
def apimod.index.ret_ok ( )
```

Returns the Documentation webpage.

This function literally does nothing but that.

**Parameters**

<i>None</i>	<i>None</i>
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**Returns**

The API documentation in HTML. Raises: 200 OK

Definition at line 112 of file index.py.

## 4.1.7 Variable Documentation

### 4.1.7.1 con

apimod.index.con

**Initial value:**

```
1 = psycopg2.connect (user=Config().postgun,  
2                     password=Config().postgpw,  
3                     host=Config().postghost,  
4                     port=Config().postgport,  
5                     database=Config().postdbname)
```

Definition at line 97 of file index.py.

