PyLogger Documentation

Release 0.1

eet6646

March 31, 2016

Contents

PyLogger is a simple data to file logging module. Use it to quickly log and debug scripts, or log something over time. Log events, warnings, exceptions and more into a readable log file with a customizable output!

CHAPTER 1

Installation

```
$ python setup.py install
```

CHAPTER 2

Pages

2.1 PyLogger Documentation

class pylogger.**PyLogger**(*filename='pylogger.log'*, *defaultlogtype='INFO'*, *logformat='[{timestamp}] {logtype}: {message}'*, *timestamp='%Y-%m-%d %H:%M:%S'*, *prefix=''*, *postfix='n'*)

The PyLogger class

Initialize a PyLogger object.

Parameters

- **filename** (*str*) – The filename to use
- **defaultlogtype** (*str*) – Initial log type to use [INFO]
- **timestamp** (*str*) – Initial timestamp format [%Y-%m-%d %H:%M:%S]
- **prefix** (*str*) – String to insert before the log message
- **postfix** (*str*) – String to append to the log message

open(**args*)

Initialize a new logger

clear()

Clear the content of the log file

Returns True – file cleared

Raises IOError, Exception

delete()

Delete the log file

Returns True – file deleted

Raises OSError, Exception

pause()

Pause the logging until resumed

isEnabled()

Check if enabled/paused

Returns True – enabled

resume()

Resume the logging from paused

setLogType(*logtype*)
Set the log type

Parameters **logtype** (*str*) – Log type

setLogFormat(*logformat*)
Set custom log format

Parameters **logformat** (*str*) – Log format Available options: {timestamp}, {logtype}, {message} Example: [{timestamp}]{logtype}: {message}

resetLogFormat()
Reset log format to default format

setTimestampFormat(*timestamp*)
Set custom timestamp format

Parameters **timestamp** (*str*) – Timestamp Example: %Y-%m-%d %H:%M:%S

resetTimestampFormat()
Reset timestamp format

getTimeStamp()
Function to get the current time, returns in the timestamp format

Returns Timestamp string

createIfNonExistent()
Create an empty log file if non existant

Returns True – file cleared

Raises IOError, Exception

log(*logstr*, *logtype=''*)
Function to log message to file.

Parameters

- **logstr** (*str*) – The string you want to log
- **logtype** (*str*) – Optional argument, custom log type. If not provided, defaults to defined log type.

Returns True – String has been logged to file

Raises IOError,Exception7

info(*logstr*)
Function that calls the log function with type INFO

warning(*logstr*)
Function that calls the log function with type WARNING

error(*logstr*)
Function that calls the log function with type ERROR

critical(*logstr*)
Function that calls the log function with type CRITICAL

exception(*logstr*)
Function that calls the log function with type EXCEPTION

2.2 Examples

CHAPTER 3

License

All of the code contained here is licensed by MIT.

p

C

D

E

G

I

L

O

P

R

S

W