

How to sort Mura CUC Data Missing Panel

Recently, T-Con board data missing occurred at WW TV plants.

To determine the risk range out of 68,566 pcs, it is impossible for human operation in this case.

Therefore, this small application is built.

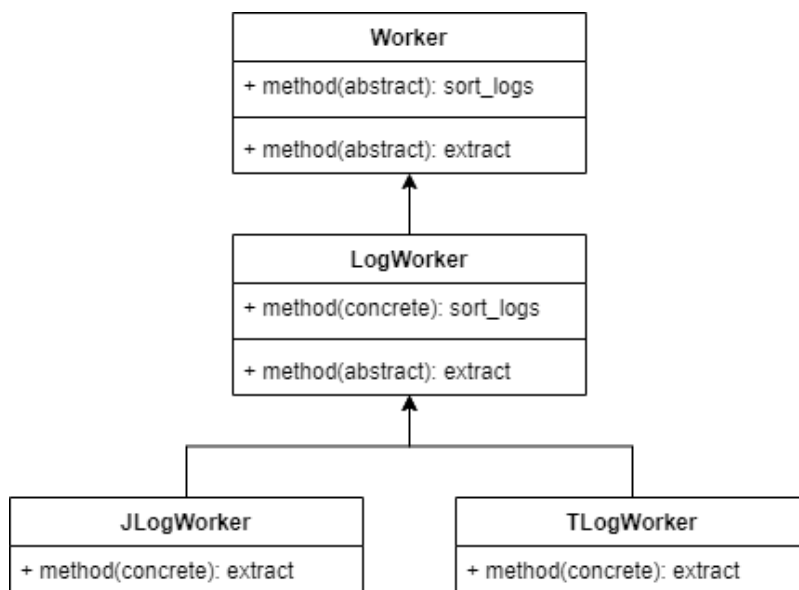
Author

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Changelog

- v0.01: initial build
- v0.02: bugfix

Design pattern



Project structure

```
C:.\
|  main.py
|
|--data
|   20120920_12494300.csv
|
|--doc
|   |  index.html
|   |  LogWorker.md
|   |
|   |--static
|   |    demo.drawio.png
```

```

performance.png
├── lib
│   ├── config.py
│   ├── jlogger.py
│   ├── tlogger.py
│   ├── util.py
│   ├── __init__.py
│   └── __pycache__
└── test
    └── ut.py

```

Implementation

```

class Worker(metaclass=ABCMeta):
    @abstractmethod
    def sort_logs(self, src_folder:Path, file_ext:str, dst_file:Path) -> None:
        raise NotImplementedError()

    @abstractmethod
    def extract(self, src_file:Path, dst:io.TextIOWrapper) -> int:
        raise NotImplementedError()

```

Performance

算法(アルゴリズム)を最適化したので、

68,565枚サンプルの確認時間は16秒から8秒まで減りました。

```

[Running] D:\DevEnv\MPy32-3741\python-3.7.4\python.exe -u "c:\Users\S106001995\Desktop\20220928_FT75_Panel_MuraCUC@JMD\main.py"
2022-09-29 08:13:23,883 started..
2022-09-29 08:13:40,012 suspected NG = 900
2022-09-29 08:13:40,015 time lapsed(s) : 16.13017225265503

[Done] exited with code=0 in 18.073 seconds

[Running] D:\DevEnv\MPy32-3741\python-3.7.4\python.exe -u "c:\Users\S106001995\Desktop\20220928_FT75_Panel_MuraCUC@JMD\main.py"
2022-09-29 08:14:18,075 started..
2022-09-29 08:14:33,184 suspected NG = 900
2022-09-29 08:14:33,185 time lapsed(s) : 15.11

[Done] exited with code=0 in 16.561 seconds

[Running] D:\DevEnv\MPy32-3741\python-3.7.4\python.exe -u "c:\Users\S106001995\Desktop\20220928_FT75_Panel_MuraCUC@JMD\main.py"
2022-09-29 08:22:42,865 started..
2022-09-29 08:22:57,998 suspected NG = 900
2022-09-29 08:22:57,999 time lapsed(s) : 15.13

[Done] exited with code=0 in 16.595 seconds

[Running] D:\DevEnv\MPy32-3741\python-3.7.4\python.exe -u "c:\Users\S106001995\Desktop\20220928_FT75_Panel_MuraCUC@JMD\main.py"
2022-09-29 08:34:22,590 started..
2022-09-29 08:34:31,394 suspected NG = 900
2022-09-29 08:34:31,395 time lapsed(s) : 8.80

[Done] exited with code=0 in 9.62 seconds

```

About

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