

Vysakh's python test for Pajak/Yann

- 1) Displays a clear help message if no command is provided

```
Vysakhs-MacBook-Pro:pythontest vysakhchandran$ python3 Pajak_vysakh.py
usage: Pajak_vysakh.py [-h] [-d DATE] [--log] [--nolog]

Daily Transaction Insights puller and logger program

optional arguments:
  -h, --help            show this help message and exit
  -d DATE, --date DATE  Provide the start date in YYYY-MM-DD format
  --log                 send the output to log monitoring tool
  --nolog               Print the metrics on standard output for debugging purpose
Vysakhs-MacBook-Pro:pythontest vysakhchandran$
```

- 2) accepts an optional date parameters to use as the current date. If -date is not mentioned current date is taken. Also handles exceptions and validates date.

```
Vysakhs-MacBook-Pro:pythontest vysakhchandran$ python3 Pajak_vysakh.py --date 2021-13-28 --log
usage: Pajak_vysakh.py [-h] [-d DATE] [--log] [--nolog]
Pajak_vysakh.py: error: argument -d/--date: Not a valid date: Provide the date in 'YYYY-MM-DD' format
Vysakhs-MacBook-Pro:pythontest vysakhchandran$
```

```
Vysakhs-MacBook-Pro:pythontest vysakhchandran$ python3 Pajak_vysakh.py --nolog
Warning: 2021-09-12 is not present on s3 bucket,Aborting..
Vysakhs-MacBook-Pro:pythontest vysakhchandran$
```

- 3) Default behaviour to send the metrics to logging service and same with -log switch
No s3 to local file downloads, Logics are processed directly from s3.

```
Vysakhs-MacBook-Pro:pythontest vysakhchandran$ python3 Pajak_vysakh.py --date 2021-08-28
Vysakhs-MacBook-Pro:pythontest vysakhchandran$ python3 Pajak_vysakh.py --date 2021-08-28 --log
Vysakhs-MacBook-Pro:pythontest vysakhchandran$
```

- 4) Send the metrics to screen instead of logging service with -nolog switch

```
Vysakhs-MacBook-Pro:pythontest vysakhchandran$ python3 Pajak_vysakh.py --date 2021-08-28 --nolog
{"metric": "business.a_process.transaction_new", "value": 1, "timestamp": 1631449619}
{"metric": "business.a_process.transaction_lost", "value": 6, "timestamp": 1631449619}
Vysakhs-MacBook-Pro:pythontest vysakhchandran$
```

- 5) I have created a datadog dashboard for testing and here are the metric submission datapoints visualized. Also I have submitted some transactions to Pajak's datadog shared in the document. Two metrics submitted to pajak. vysakh_business.a* and business.a* both includes new and continued transactions. You should be able to see those in your Pajak's datadog metrics.

