D-FLARE DESIGNATION O(1)/DESIGNATION

1. log_cleaning.py —

- Raw Log Files
- **INCOMPANIE INCOMPANIE IN**
- -----
- - CSV processed logs.csv
- BERNER BERNER OOMECLI BERNER BERNER BERNER

2. log_mapping.py —

- **II** idseq **IIIIIIIIIIIIII**
- ■■ raw_log ■■■■■■■■■
- **INTERPOLE INTERPOLE** log_unique_values.json
- ----

3. feature_engineering.py — ■■■■■■

- -
- **1)** ■■■■■■
- **2)**
- **3)**
- **4)** ■■■■■
- 5) **IIIIII**
- BE TB BEEFE chunk BEEFE BEEFE OOM BEE

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■■■■■■■■■■■■■■■Sliding Counters with Minute Buckets■■

- ■■ deque ■■■■■■■■■ (minute, Counter_src, Counter_dst, Counter_pair)■
- -
- 1)
- 3) Counter
- - O(N×W) O(N)

deque window_buckets, Counter agg_src, agg_dst, agg_pair for ts, src, dst): minute_key = floor_to_minute(ts) while window_buckets the minute < current_minute - WINDOW_SIZE: ** agg_src/agg_dst/agg_pair ** count_src = agg_src[src] count_dst = agg_dst[dst] count_pair = agg_pair[(src,dst)] ** agg_src/agg_dst/agg_pair**

agg_src/agg_dst/agg_pair**