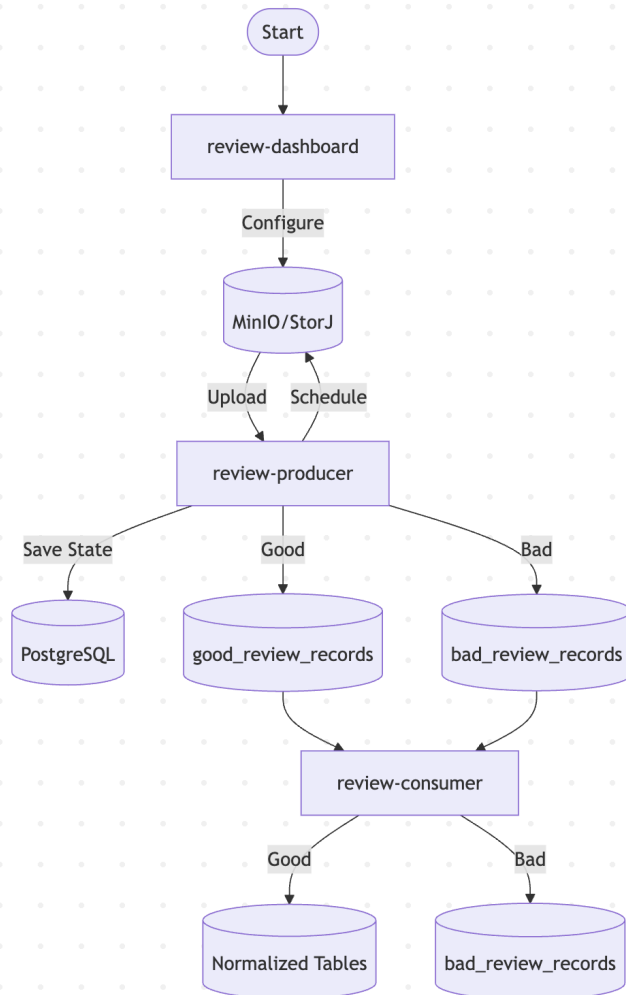


# Flowchart



# Components

## Component - review-python

This module is used for

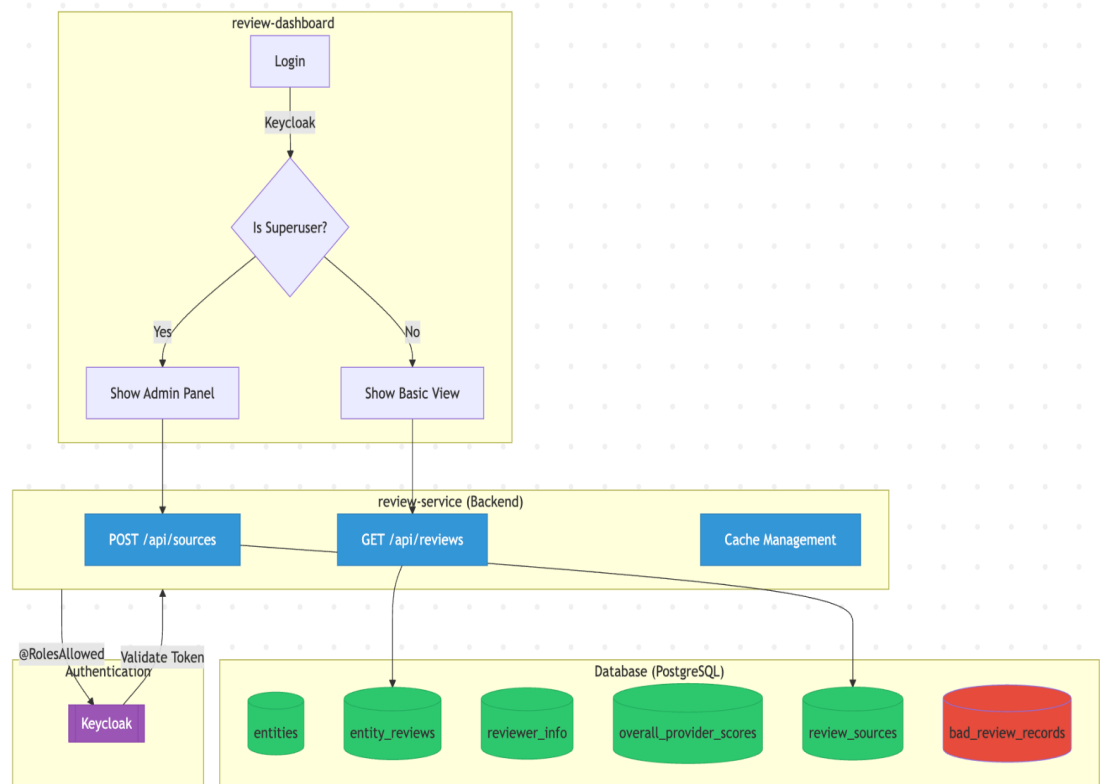
1. generating mock data
2. uploading in storage (minIO and storj)
3. Produce kafka messages (good record and bad record)
4. Fetches kafka messages

python

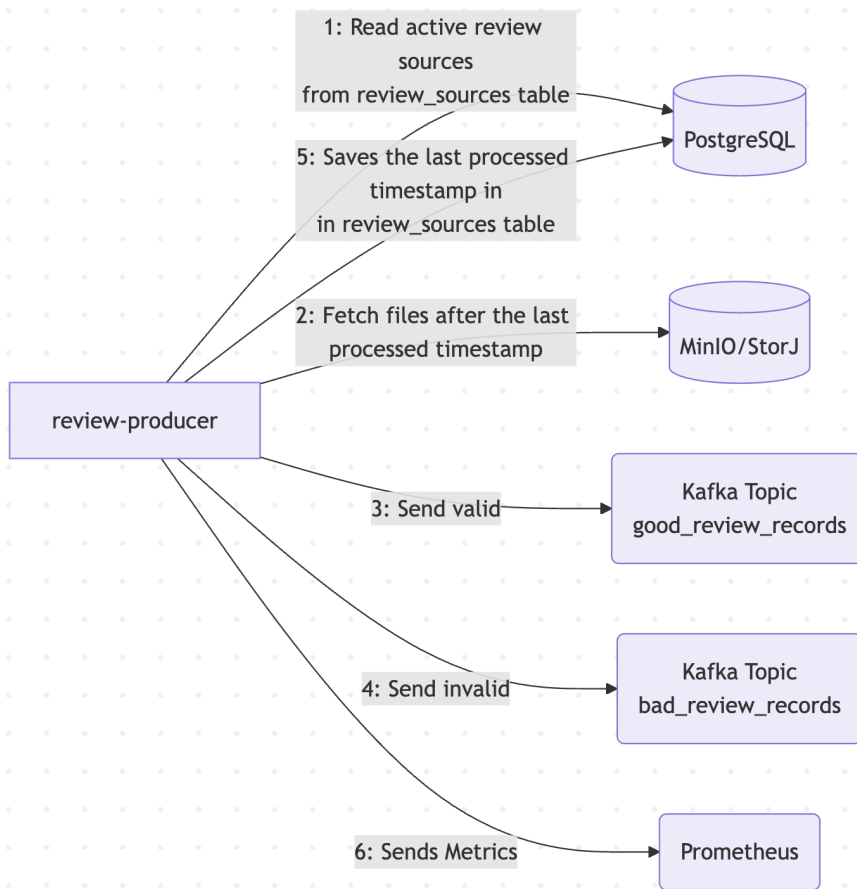
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```
# review-python/
|
├─ generate_platform_reviews.py  # Reads sample.jl → generates → output/
|   └─ read_template()
|   └─ generate_reviews()        # Creates both valid/invalid records
|   └─ write_jl()
|
├─ distribute_reviews.py        # Uploads to storage
|   └─ select_storage()          # Random MinIO/StorJ selection
|   └─ upload_to_minio()
|   └─ upload_to_storj()
|
├─ test_kafka_producer.py       # Test harness
|   └─ produce_good_record() → good_review_records
|   └─ produce_bad_record() → bad_review_records
|
├─ check_kafka_messages.py      # Verification
|   └─ consume_messages()
|   └─ validate_schema()
|
# External:
sample.jl → MinIO/StorJ → Kafka
```

## Component - review-dashboard



## Component review-producer



## Component review-consumer

