



Scan for more Information

Custom Report Automation Process

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Background & Motivation

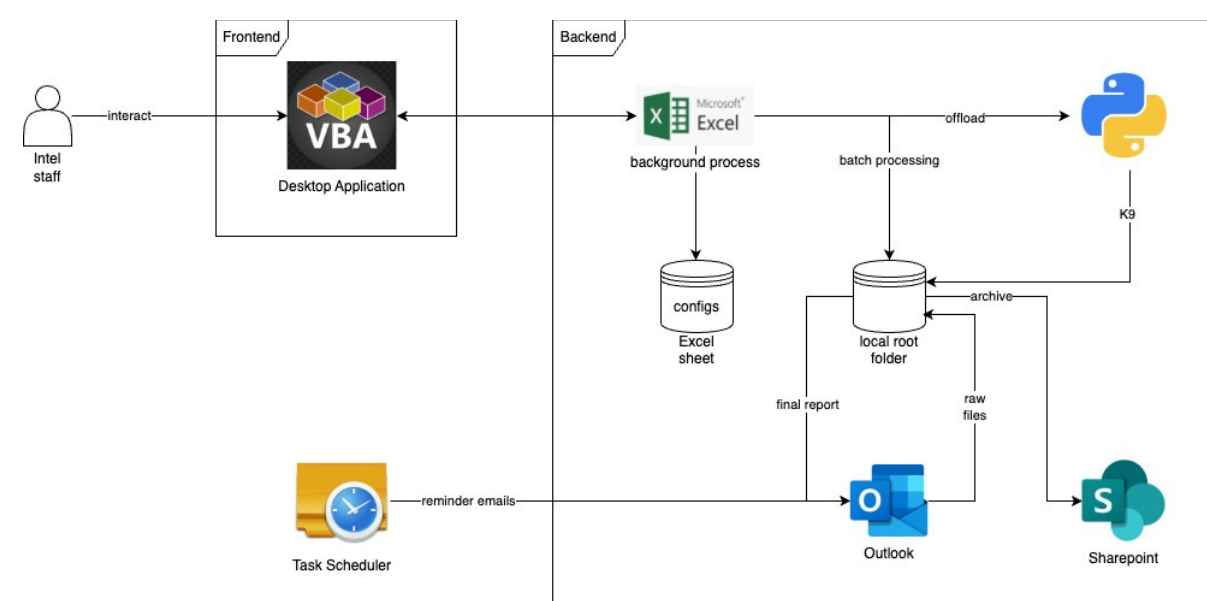
- 7,000+ monthly transactions from multiple logistics providers.
- Manual process takes 4 staff-hours, prone to errors, delays, and compliance risks.
- Strict deadlines and security constraints limit automation options.



Intel Malaysia

Methodology

- Core mapping & filtering with configurable rules
- Python for PDF extraction (incl. K9 files)
- Excel VBA for direct template integration
- Tech stack: Microsoft 365, Python, Excel VBA



100% Accuracy

Compare Jumlah (Final Values)

```
Found 'Jumlah' -> File1 row 55, File2 row 55. Comparing...
Checking sheet 'Non ic&die '...'
Found 'Jumlah' -> File1 row 127, File2 row 127. Comparing...
Checking sheet 'Non ic&die (2) '...'
Found 'Jumlah' -> File1 row 129, File2 row 129. Comparing...
Found 'JUMLAH BESAR' -> File1 row 130, File2 row 130. Comparing...
```

Compare Intermediate Files

```
Summary for 'K2' vs 'K2Intermediate': Total mismatches found = 0
=== ALL SHEETS COMPARED ===
Total mismatches across all sheets: 0
Comparison complete.
```

Results

- Zero-cost, offline processing.
- Time cut from 4 hrs to <15 mins.
- Staff reduced from 2 to 1.
- Scalable with large data set and new brokers

Highlights

- Configurable email scheduling and email templates
- Extensible with new mapping rules
- Role-base access control, configuration snapshots
- Generation check point and recovery