Conclusion

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What Did We See?

➢ Classic Web App (with a twist...)
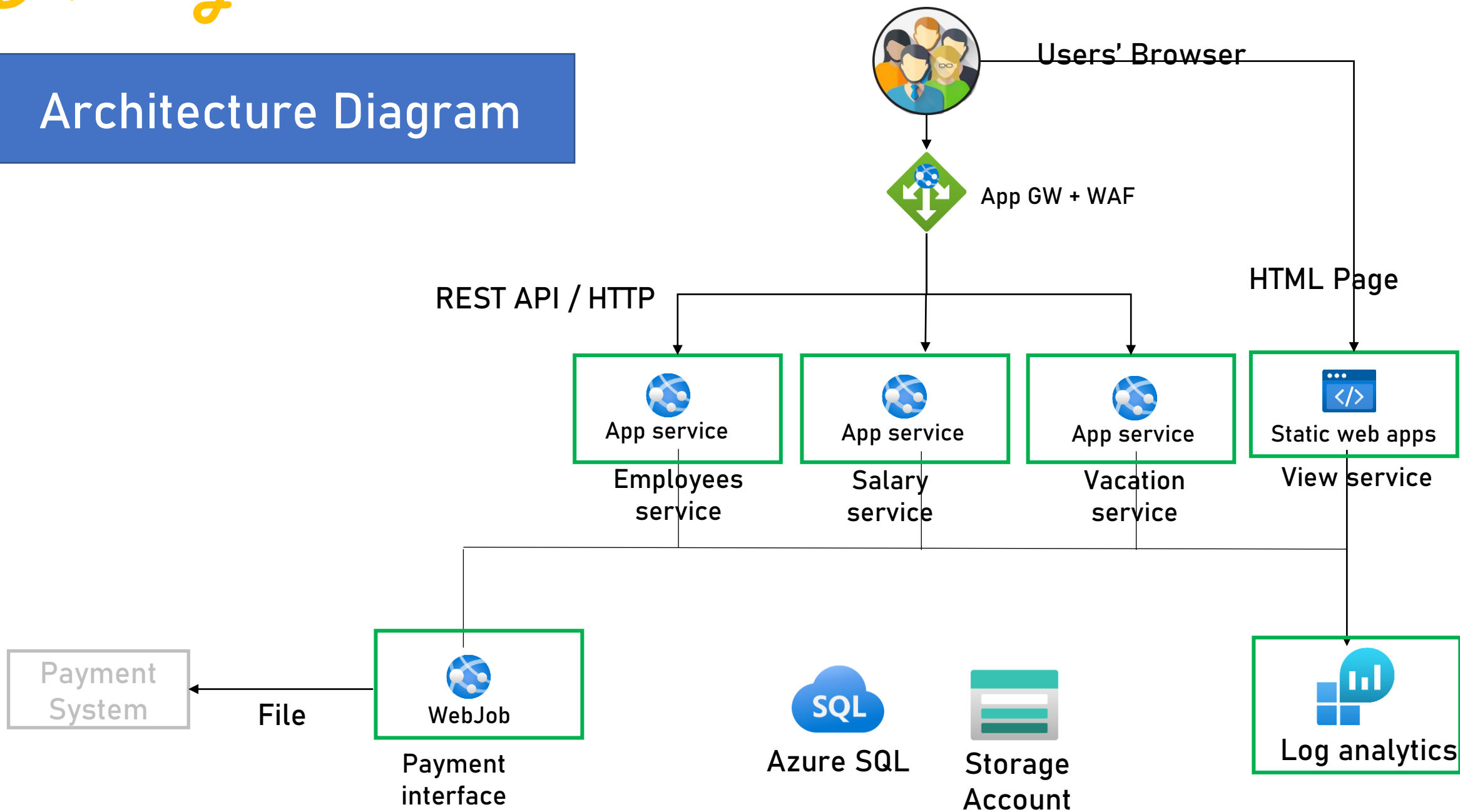
What Did We See?

- ➢ Classic Web App (with a twist…)

- ➢ IOT Telemetry system

Architecture Diagram
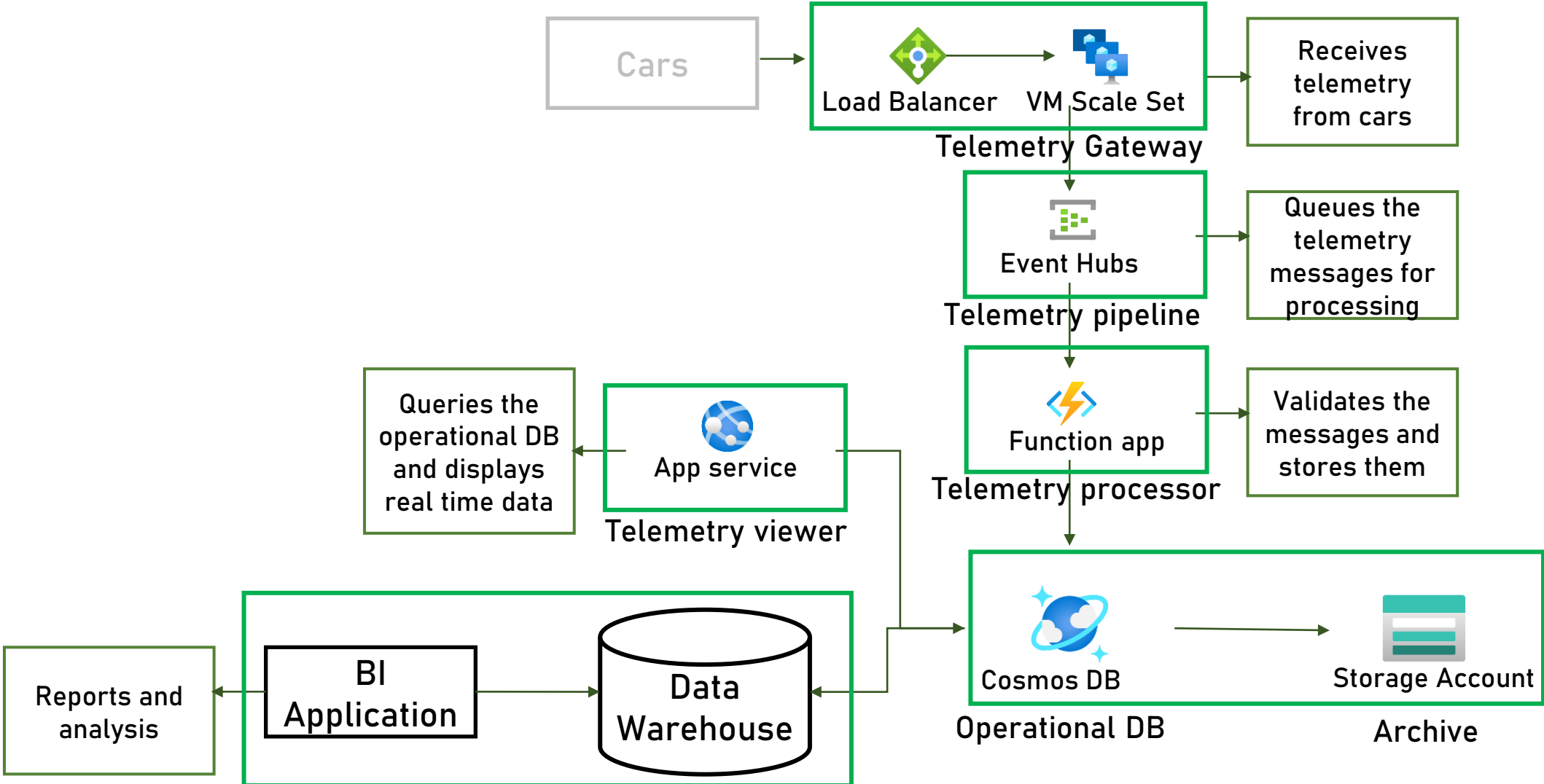
Muscar.auto

Cars → **Telemetry Gateway** (Load Balancer → VM Scale Set) → Receives telemetry from cars

Telemetry pipeline (Event Hubs) → Queues the telemetry messages for processing

Telemetry processor (Function app) → Validates the messages and stores them

Telemetry viewer (App service) → Queries the operational DB and displays real time data

Operational DB (Cosmos DB) → **Archive** (Storage Account)

Data Warehouse → BI Application → Reports and analysis
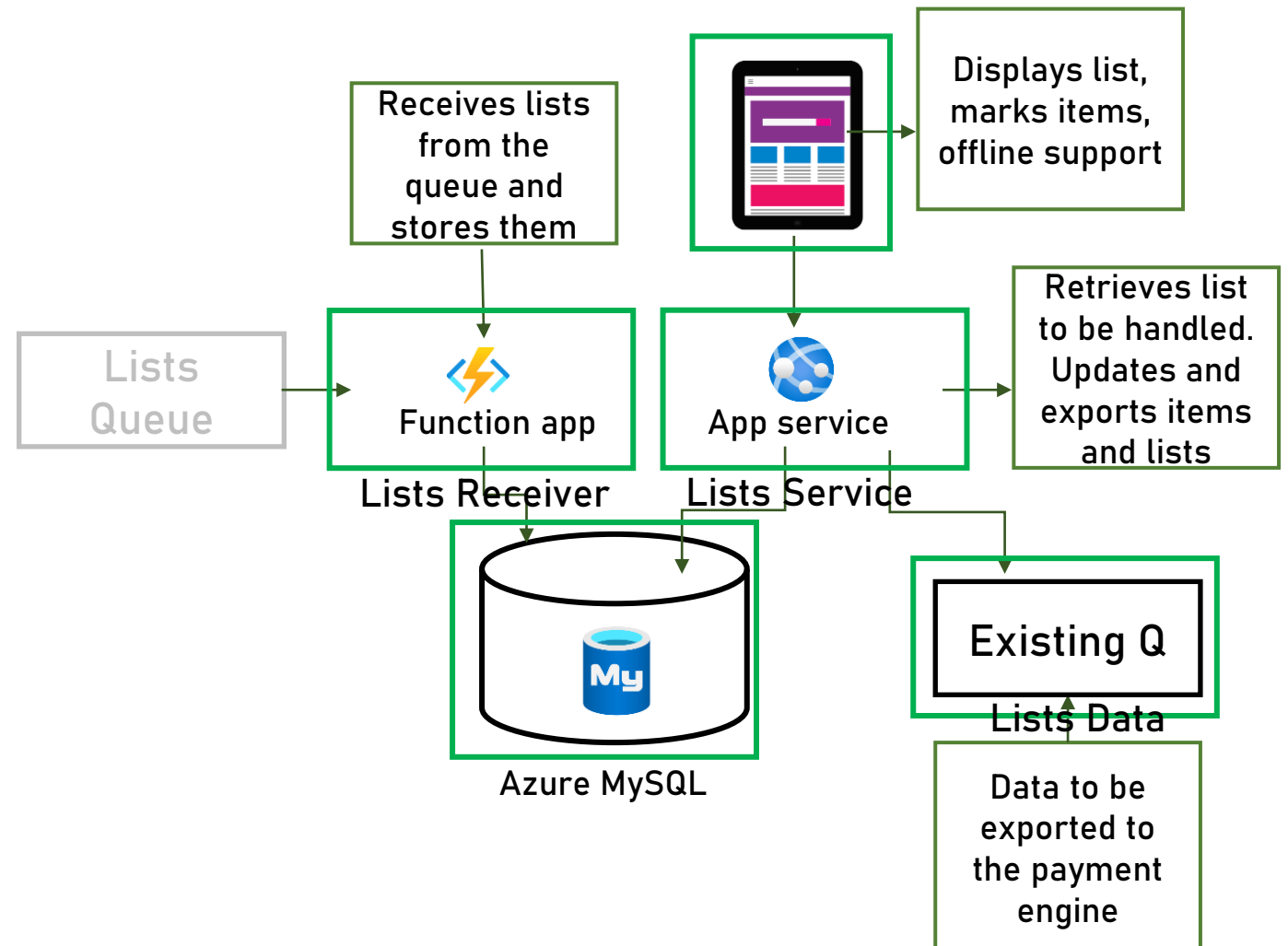
What Did We See?

➢ Classic Web App (with a twist…)

➢ IOT Telemetry system

➢ Data collection app on a tablet

Architecture Diagram

Receives lists from the queue and stores them

Displays list, marks items, offline support

Lists Queue

Function app

Lists Receiver

App service

Lists Service

Retrieves list to be handled. Updates and exports items and lists

Azure MySQL

Existing Q
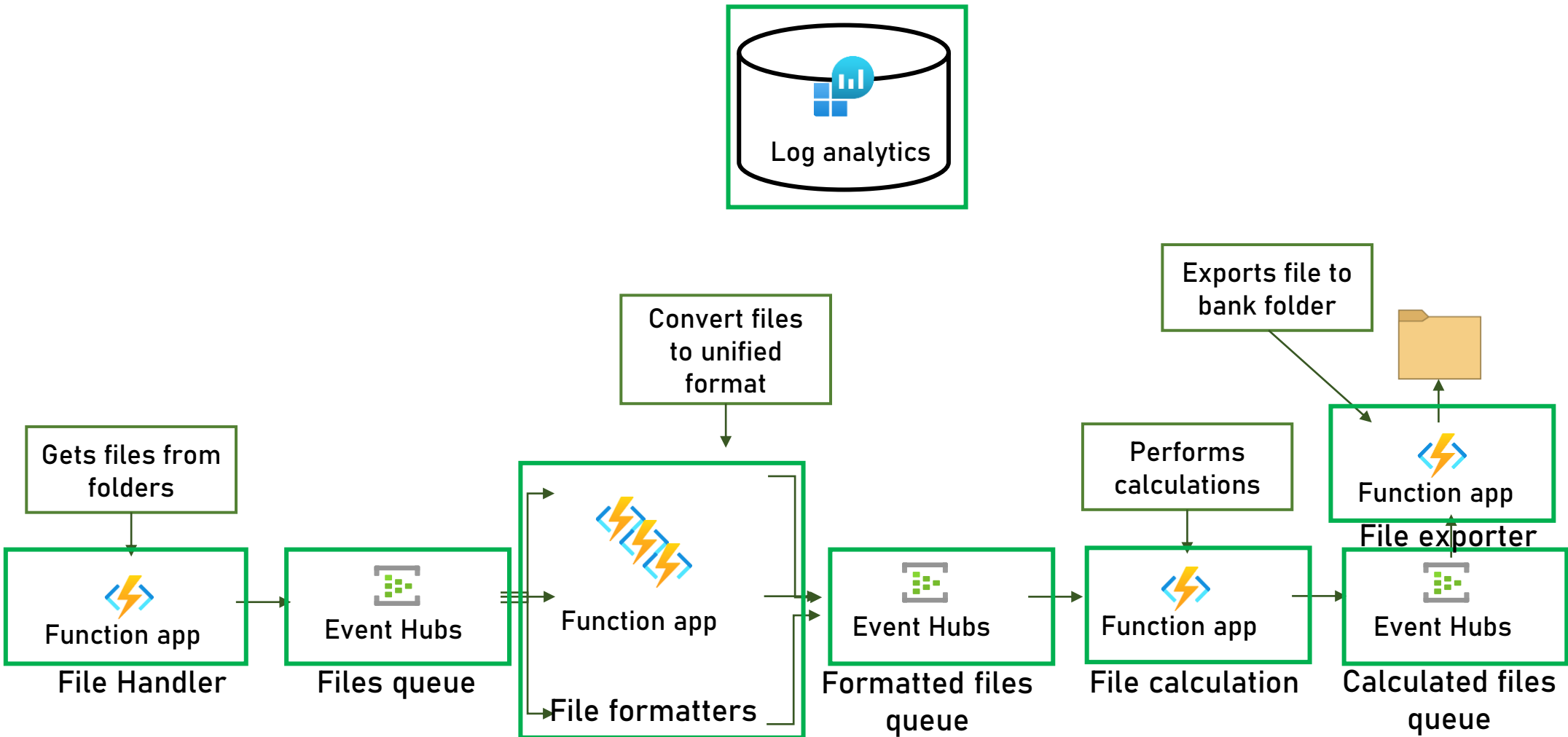
Lists Data

Data to be exported to the payment engine

What Did We See?

➤ Classic Web App (with a twist...)

➤ IOT Telemetry system

➤ Data collection app on a tablet

➤ Async file processing system

Architecture Diagram

Log analytics

Convert files to unified format

Exports file to bank folder

Gets files from folders

Performs calculations

Function app

File exporter

Function app
File Handler

Event Hubs
Files queue

Function app
File formatters

Event Hubs
Formatted files queue

Function app
File calculation

Event Hubs
Calculated files queue

What Did We See?

➢ Classic Web App (with a twist…)

➢ IOT Telemetry system

➢ Data collection app on a tablet

➢ Async file processing system

➢ Multi-tenant AI system
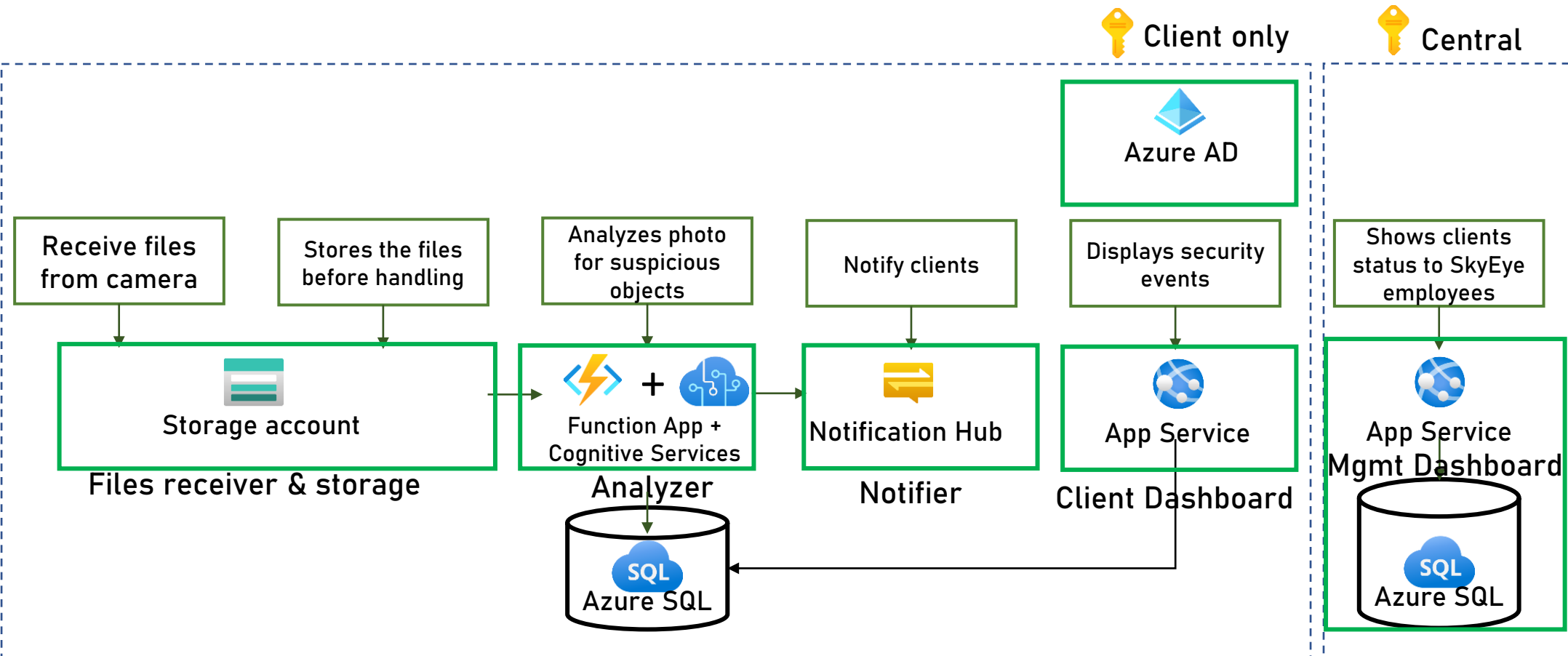
Case Studies

➤ Your system is probably similar to one of them

➤ Or a combination…

Cloud services used

App service

WebJob

Static web apps

Log analytics

Load Balancer

App GW + WAF

VM Scale Set

Event Hubs

Function app

Cosmos DB

Storage Account

Azure SQL

Azure MySQL

Cognitive Services

Notification Hub

Azure AD

Thanks!