RENTOVIA'S URBANIZATION PROJECT

GROUPE

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PLAN

RENTOVIA

Rentovia is a home rental startup, founded in 2005, started as a small renting agency and evolved to become the largest renting firm in Tunisia.

Over the years Rentovia changed its business model and strategy to adapt to the technology evolution.

In this project, we will focus on the problems we faced during the adaptation and the benefits of an urbanized architecture for Rentovia.

HOSTS DEPARTMENT

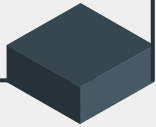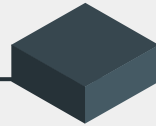**MARKETING DEPARTMENT**

FINANCE DEPARTMENT
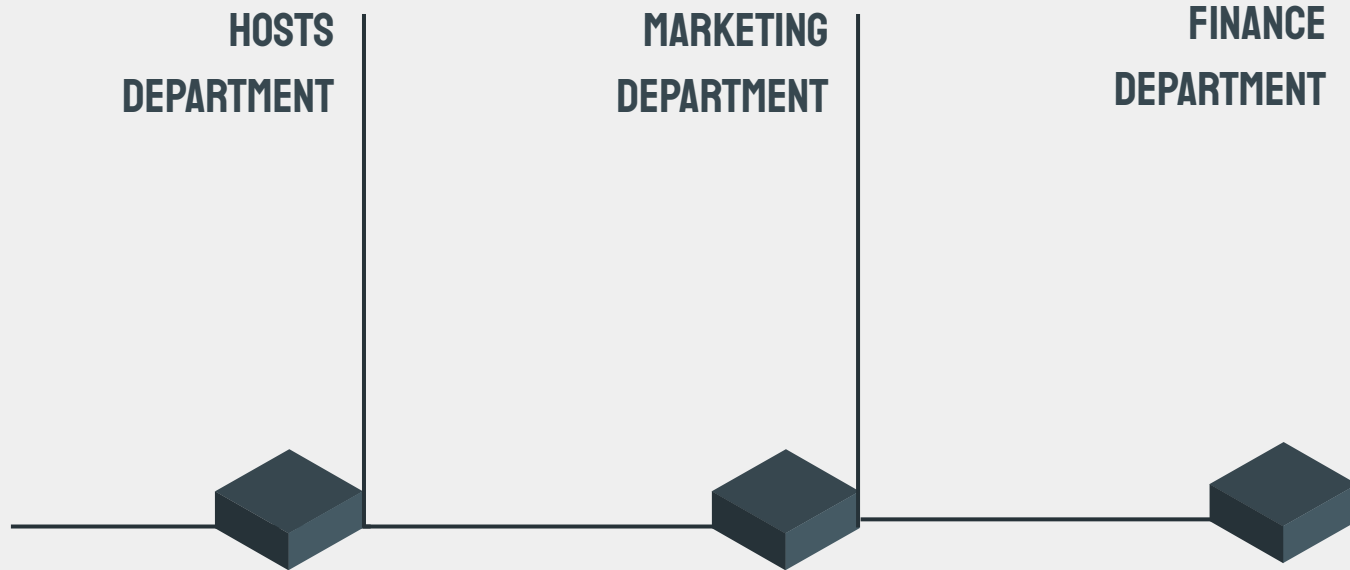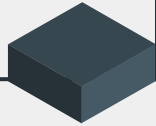
NEW DEPARTMENTS

ACCOMMODATION MANAGEMENT DEPARTMENT

LEGAL DEPARTMENT

QUALITY DEPARTMENT

HR DEPARTMENT

R&D DEPARTMENT

01

Paper-based communication

02

Conflicts between departments

03

Problems in data integration

PROBLEM ONE

PAPER-BASED COMMUNICATION

DRAWBACKS OF COMMUNICATION BY PAPERS

- Low productivity

- High printing infrastructure

- Increased travel & costs

- High compliance risks

- Reputational damage

SOLUTION: API MANAGER TO AUTOMATE COMMUNICATION BETWEEN DEPARTMENTS

➔ Management visibility

➔ Better traceability

➔ Mobile worker friendly

➔ Customer approval

➔ Increased productivity

PROBLEM TWO

CONFLICT BETWEEN DEPARTMENTS

DRAWBACKS OF CONFLICT BETWEEN DEPARTMENTS

- Non specified boundaries

- High dependency between departments

- High error risk

- Difficulty in decision-making

- Conflict Escalation

- Mental Health Concerns

=> Decrease in Productivity

SOLUTION: ORCHESTRATION TO REDUCE CONFLICT

→ Improve communication between departments

→ Everybody knows their responsibilities

PROBLEM THREE

MANUAL DATA INTEGRATION

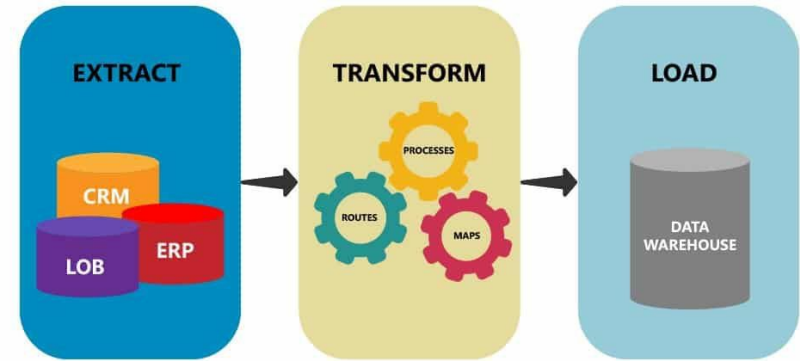# DRAWBACKS OF MANUAL DATA INTEGRATION

- Inefficiency

- Inaccurate/erroned data

- High Costs (Labour)

SOLUTION: USE ETL TO AUTOMATE DATA INTEGRATION

→ Improved Employee Value

→ Reduce Human Error

→ Lower Operating Cost

→ Efficient Analytics and Processing

→ Able to Handle Large Volumes of Data

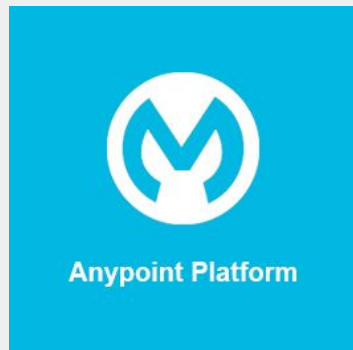→ Enhances Work Satisfaction/Productivity

ETL - Extract, Transform, Load

TECHNICAL OVERVIEW

TOOL: ANYPOINT PLATFORM FROM MULESOFT

Anypoint Platform

REQUEST A QUOTE	Gold	Platinum	Titanium
API Designer and Integration Builder ◉	✓	✓	✓
Collaboration and Reuse ◉	✓	✓	✓
Unlimited Select and Community Connectors ◉	✓	✓	✓
High Availability ◉	✗	✓	✓
Container Services ◉	✗	✓	✓
Log Management and Search ◉	✗	✗	✓
Performance Management ◉	✗	✗	✓

RESERVATION BUSINESS FLOW WITH ANYPOINT
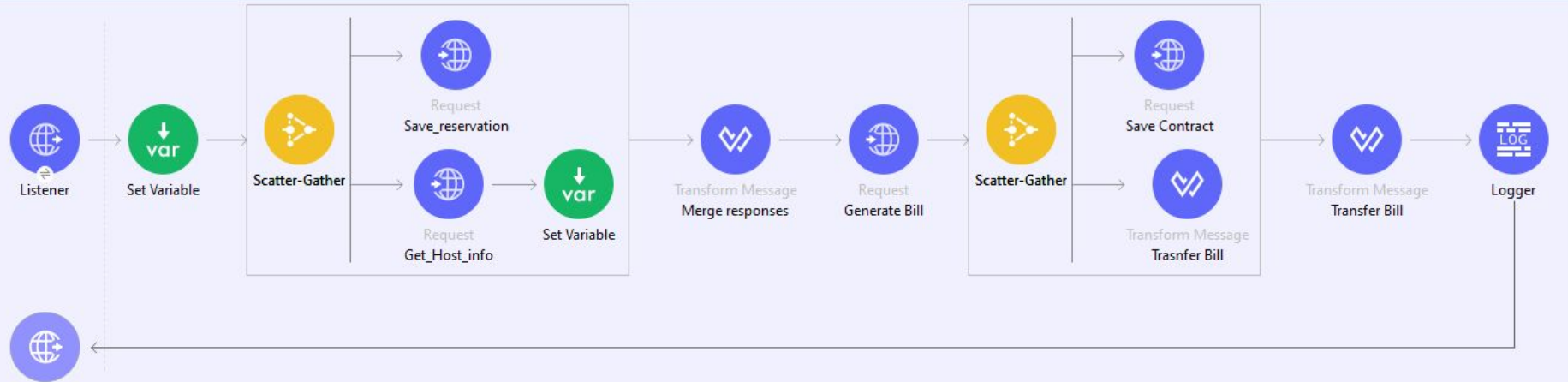
FLOW EXECUTION

Body

Format JSON   Minify JSON   Copy

```
1  {
2      "fullName": "Melek Elloumi",
3      "emailAddress": "melek.elloumi@gmail.com",
4      "guestHouseId": 3,
5      "numberOfRooms": 3,
6      "location": "Tunis",
7      "startDate": "2022-12-11",
8      "endDate": "2022-12-14"
9  }
```

Send

200 OK   Time: 1907 ms

```
1   - {
2         "useremail": "melek.elloumi@gmail.com",
3         "location": "Tunis",
4         "numberOfRooms": 3,
5         "numberOfDays": 3,
6         "priceWithoutTax": 990,
7         "totalPrice": 1287,
8         "taxAmount": 297,
9         "startDate": "2022-12-11T00:00:00.000Z",
10        "endDate": "2022-12-14T00:00:00.000Z",
11        "deleted": false,
12        "deleted_At": null,
13        "roomPrice": 110,
14        "_id": "63985f5ad0ff46d576f5598b",
15        "createdAt": "2022-12-13T11:17:46.763Z",
16        "updatedAt": "2022-12-13T11:17:46.763Z",
17        "__v": 0
18    }
```

view

Contrat de location
LOCAUX MEUBLES A USAGE D'HABITATION

_____

I. Désignation des parties

Le présent contrat est conclu entre les soussignés :
d'une part:
Yasmine Cherif
d'autre part:
Melek Elloumi

II. Objet du contrat

Le présent contrat a pour objet la location d'un logement ainsi déterminé :
Adresse du logement : Tunis

III. Date de prise d'effet et durée du contrat

La durée du contrat et sa date de prise d'effet sont ainsi définies :
A. Date de prise d'effet du contrat : 2022-12-11T00:00:00.000Z
B. Date de fin du contrat : 2022-12-14T00:00:00.000Z

IV. Conditions financières

Montant du loyer par nuit et par chambre : 110£
Montant du loyer totale : 1287£

CONCLUSION:

IT'S TIME TO CHANGE!

By adopting our solution the company will:

➔ Increase productivity

➔ Be more competitive & follow the market's needs

➔ Gain customers' trust

THANK YOU FOR YOUR ATTENTION