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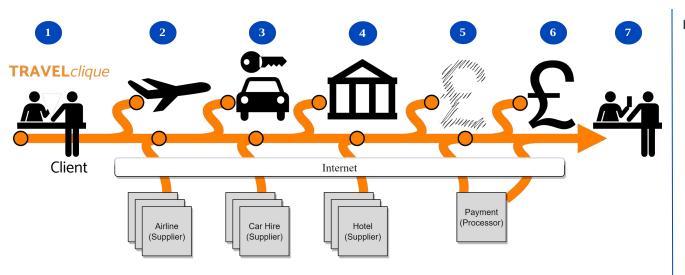
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# **TRAVEL**clique

Optimisation and Enhancement

**LEE COWDREY** 

#### Today



- 1 Client presents holiday package wishes
- 2 TRAVEL*clique* identifies flight and reserves
- TRAVEL*clique* identifies vehicle hire and reserves

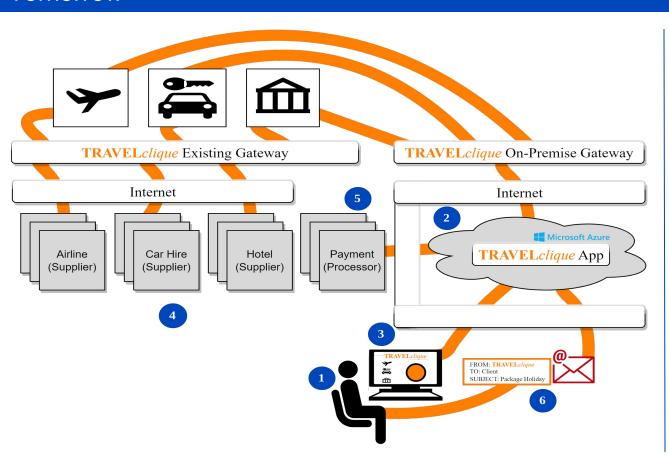
- TRAVEL*clique* identifies accommodation and reserves
- optional, Client pays deposit
- 6 Client pays outstanding balance
- TRAVEL*clique* confirms all reservations and proceeds to ticketing

#### Issues seen include:

- Delays with client accepting each package item including cause reservation expiration
- Availability Change
- Price Change
- Withdrawn
- Overbooked
- Terms & Conditions not met
- Balance not paid in time (deposit)
- Payment Issues (processor failure)
- Payment Not Authorised
- TRAVELclique losing 10% time per package booking just by swivel-chair operation
- Limited ability to upsell additional package items (insurance, upgrades, airport lounges etc.)

Issues cause entire process to be restarted, with potentially all existing remaining valid reservations cancelled or client just withdrawing without purchasing anything!

#### Tomorrow



- Client searches for holiday package wishes via TRAVEL*clique* App hosted in public cloud
- TRAVEL clique App mixes flight, vehicle, accommodation, connects back to on-site systems for availability etc.
- Client makes final selection and confirms on TRAVELclique App
- TRAVELclique App changes reservations to confirmations and retrieves booking details
- 5 TRAVEL clique App allows Client to checkout and takes payment (deposit, full, payment plan etc.)
- 6 TRAVEL*clique* confirms all reservations and proceeds to ticketing

#### **TRAVEL***clique* App - Infrastructure

#### **Benefits**

- Deployed to public cloud avoiding need for dedicated IT facilities
- Uses existing systems for Flight, Vehicle and Accomodation
- Able to automatically scale to meet demand (on-demand computing)
  - Up when demand is high
  - Down when no demand/idle
  - OPEX friendly Pay-Per-Use model, not CAPEX investment
  - No need to scale in advance
- Isolates and protects existing systems from Internet and malicious third-parties
- Isolated from outages due to highly available public cloud services

#### Recommendations

- Dedicated Internet connection to public cloud of choice (to ensure availability and response times)
- Additional gateway (on-premise)
- Public Cloud Microsoft Azure
  - Data Centre Cardiff (UK West)
  - Data Residency 100% UK
    - UK GDPR compliant
  - Disaster Recovery London (UK South)
    - Cross region replication
  - No restriction on available Azure services

#### **TRAVEL***clique* App - Usability

### Search - Tailored

- Partial, Wildcard, drop down List for all items
  - Participating airlines, vehicle hire and accommodation suppliers
  - Geographic locations including airports, popular/available destinations
  - Accomodation aspects (single, double etc.)
  - Vehicle aspects (4x4, SUV etc.)
  - Minimum/maximum price
  - Dates ranges
  - Peak/Off-peak periods
- Lists automatically populated from connected systems and used to produce indexes for Partial and Wildcard matching

# Payment - Made Easy

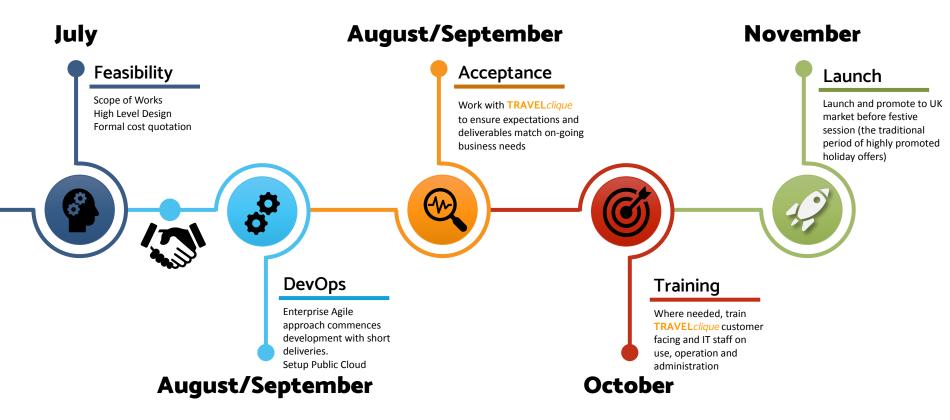
- Supported number of payment processors can be increased to reduce fees and provide negotiating advantage
- Payment processor can be selected based on payment need
  - Credit supplier specific (AMEX)
  - Debit supplier specific (Lloyds Merchant)
  - Loyalty Card reward programmes (Nectar)
- Allow Clients to pay through installments using payment plans offered by select payment processors (Payl8r) - TRAVEL clique receives full immediate payment (if Client approved)
- Allows Clients to form a Savings Plan and purchase the package when the Savings Plan has reached its goal; TRAVELclique App can maintain reserved state (where permitted by suppliers)

### **TRAVEL***clique* App - Business Benefits

- Increased brand recognition
- Possibility to extend existing services with impacting current business
- Possibility to extend offered services (thus increase revenue)
  - Insurance
  - Upgrades (airport lounges)
  - Foreign currency
- TRAVEL clique App not just for Client's using desktop computers but also portable devices (mobile/tablet) to attract and capture the "sofa shoppers"

- Through automation and modernisation,
  TRAVELclique no longer loses 10% time per package booking through swivel-chair operation by adopting a Client Self-Service approach
- In-branch staff can also use TRAVEL clique App and move to remote-work structure, or consider extended high-street presence by opening new branches without incurring high infrastructure costs
- Possibility to expand in to markets outside the United Kingdom

### **Next Steps**



### Feasibility Study

## Workshop with TRAVELclique team

- Determine stakeholders for project feasibility, delivery and acceptance
- Determine IT Infrastructure availability, capacity and any restrictions
- Gather license and API details of existing systems
- Gather sample data from existing systems (to be used for data modelling)
- Public Cloud
  - Determine preference (if any)
  - Determine budgetary details (if any)
  - Determine type/size of appliance for on-premise gateway

#### Outcome

- Scope of Works for commercial engagement
- High Level Design for technical engagement activities
- Formal cost quotation with terms and conditions

### **Expected Resourcing**

# The team delivering for TRAVEL clique (to be confirmed post Feasibility Phase)

• 1x Project Manager

1 x Technical Architect

# Feasibility Phase Only

• 1x Commercial Specialist

1 x Legal Specialist

1 x Business Analyst

# DevOps/Acceptance Phases Only

1 x DevOps Lead

2 x Back-End Engineer

1 x UX Lead

1 x Azure Engineer

2 x QA Engineer

1 x UI Designer

2 x Node.js Engineer

1 x Technical Writer/Trainer

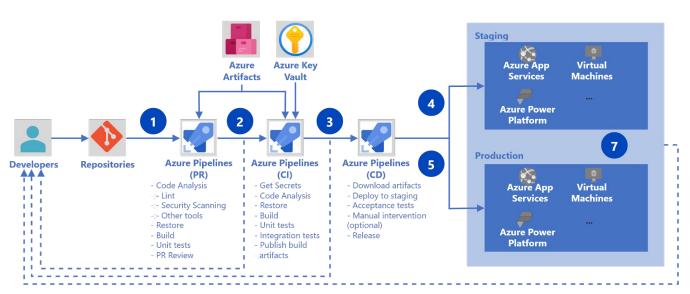
2 x UI Engineer

## Launch Phase Only

• 1x Marketing Specialist

1 x Advertising Coordinator

#### DevOps & Acceptance







# TRAVELclique

#### Note:

Azure shown for example only; AWS or GCP available based on **TRAVEL**clique requirements

- 1 Developers pushes code changes
- Azure repo triggers fast quality check and if no failures will merge the changes
- Run integration checks & if no failures build
- 4 Release to staging + manual
- Release to production (on failure, revert to prior)
- 6 Continuous Monitoring of Staging and Production
  - 7 New iteration now live

# **TRAVEL**clique

Thank you for your time!

Any questions?