CYBAGE

Assisted an airline IT solutions provider to optimize architecture for increased productivity and efficiency
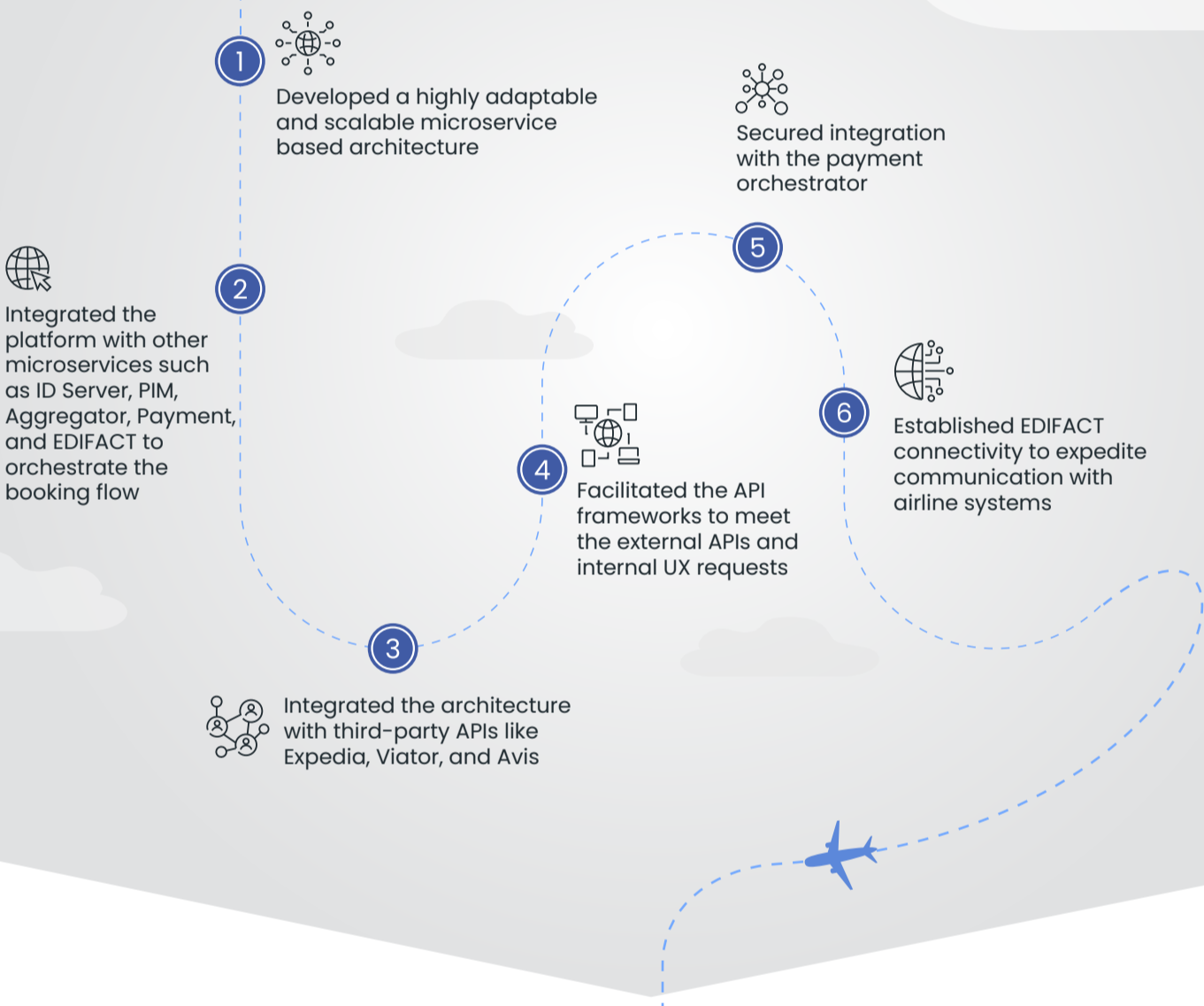
ABOUT THE CLIENT

- Specializes in providing IT solutions for the airline industry
- Provides advanced software and tools, enabling airlines to understand customer needs to gain comprehensive control over products and services
- Is trusted by several esteemed clients such as Lufthansa and British Airways
- Holds proficiency in following the IATA standards and guidelines, particularly in NDC and ONE Order

BUSINESS NEEDS

- Be the go-to primary source for comprehensive flight searches
- Ensure complete compatibility with the latest NDC API guidelines released by IATA
- Facilitate cross-selling of various products, such as room nights, car rentals, and tours and attractions
- Simplify payments by ensuring compatibility for multiple payment sources

SOLUTIONS:

1. Developed a highly adaptable and scalable microservice based architecture
2. Integrated the platform with other microservices such as ID Server, PIM, Aggregator, Payment, and EDIFACT to orchestrate the booking flow
3. Integrated the architecture with third-party APIs like Expedia, Viator, and Avis
4. Facilitated the API frameworks to meet the external APIs and internal UX requests
5. Secured integration with the payment orchestrator
6. Established EDIFACT connectivity to expedite communication with airline systems

TECHNOLOGY STACK:

- Java 8
- spring boot
- Apache Thrift
- Maven
- MICROSERVICES
- kubernetes
- Azure
- Microsoft Azure Key Vault
- Azure Cosmos DB

BUSINESS IMPACT:

01. Optimized Azure cloud architecture driven by microservices, achieving 99% efficiency
02. Enhanced the efficiency of internal and external API calls by 25%
03. Modified the process to achieve 100% secure payments
04. Achieved 10% more traction by implementing a comprehensive flight booking solution
05. Supported cross-selling of different products and increased revenue by 25% and ancillary revenue by 20% with NDC compliance
06. Attained 15% cost savings through flight searches using airline systems

Cybage Travel and Hospitality

- Lodging
- Travel Distribution
- Travel Retailers
- Travel Consolidators
- MICE
- Specialty Lodging

Facilitating business growth with advanced, adaptable, and scalable solutions