DeepX IBE Suite

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All-new
Cloud Internet Booking Engine and Middleware

Future-proof architecture for accelerated developments and cost effective maintenance

Flexible solutions to cover all needs

DeepX Web

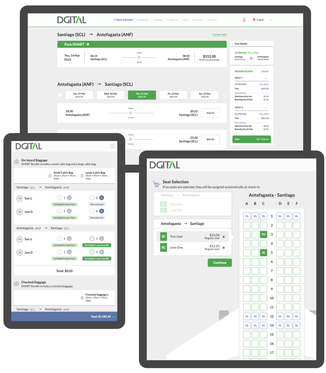
Ready-to-use and customisable airline booking website including a middleware layer connected to PSS and third-party providers.

DeepX Middleware

Full-feature API set and SDK library serving as a backend platform for any IBE or mobile applications as an omni-channel layer providing accelerated airline application development.

DeepX Fare Cache

Multi-source caching system and that provides accurate prices to any sales channels such as IBE, mobile app, OTA, metasearch, GDS and more.



New Generation Website

Customizeable booking journey and design

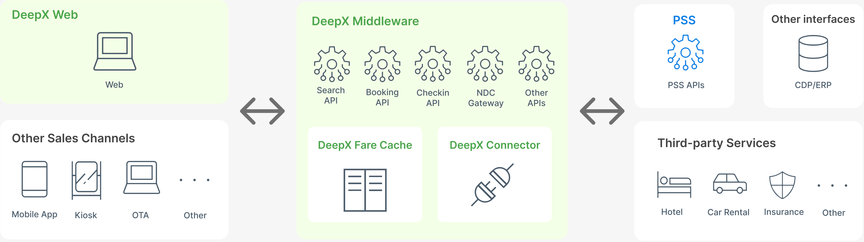
Conversion optimized flow	Booking session per browser tab
Customer-focused journey	Multi-language and currency
Connected / through flights	Flexible bundles and ancillaries
Log in with mobile and social	Agency workflow and staff travel
Headless CMS integraiton	Custom payment options

Powerful Middleware

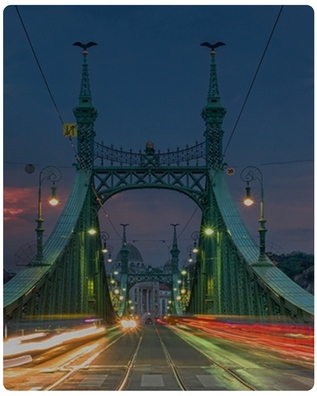
Microservices architecture, future-proof API design

A high-performance secure connection layer that provides interfaces for multiple sales channels such as web (IBE), mobile app, OTA/GDS via NDC, kiosk, and even direct messaging platforms like WhatsApp.

The middleware also enables connectivity to ancillary service providers like hotel, car, insurance and more.



- Container-based microservice architecture
- Autoscale enabled serverless structure
- OpenAPI 3.0 and Swagger UI interface
- PCI-DSS 4.0 framework
- Multi-cloud support
- Scaleable stateless design, distributed cache



Fare Cache Engine

Lightspeed searhces and reduced look-to-book

DeepX Fare Cache collects fares, schedules, and availability information directly from the PSS system. It also updates cached prices from organic searches.

- Multi-currency support (collect rates from the PSS or other external sources)
- Collect stations and markets enriched with visibility, translation, MACs
- Collect all available schedules and fare classes
- Provide bundle fare prices
- Custom heuristics to enrich fare prices with fees, taxes, and other rules
- Enhanced timetable with fares and flight availability (sold-out dates are disabled)
- Able to perform direct search if the cached price is not available
- Continuously update prices based on organic searches
- Collect connected routes and calculate fares based on eligible connections
- Consume data feeds from other sources, such as RMS

Get in Touch

Schedule a discovery call with us to find the perfect solution.

info@dgital.com

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