



**More Versatility.
Greater Scalability.
Seamless Integration with Skytool.**

SKYTOOL API empowers your content by connecting it to Skytool's centralized operational core, governing your entire air ecosystem with consistency and control.



The invisible engine that works for you

CONNECT SYSTEMS, MANAGE STRATEGIC AIR TICKETING BUSINESS

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Request a personalised demo

Book a meeting with a technical sales representative to integrate your contracts and develop a truly autonomous infrastructure.

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By **Infotech** Since 1997
Engineering for Travel Business



Easily transform your competitive advantage and your ticketing ecosystem becomes more manageable, faster and simpler!

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SKYTOOL APIs are application programming interfaces that connect to the SKYTOOL platform. They are a structured set of software services that allow external systems **web portals, management systems, quotation platforms or customised applications** to communicate directly and in a controlled manner with the **SKYTOOL** infrastructure.

Through **SKYTOOL APIs**, you can integrate flight search, selection, detail and PNR creation functions into your applications, right up to ticket issuance, while maintaining full consistency with the fare, operational and economic rules defined by the relevant consolidator.

Operations carried out via API are always visible in the SKYTOOL back office associated with the consolidator, which governs conditions, access and application parameters.

Role and functionality of SKYTOOL APIs

SKYTOOL APIs do not replicate the entire **SKYTOOL** platform, but expose a targeted set of integration-oriented functions. Their main objective is to enable the development of **customised solutions**, such as the creation of dynamic packages (flight + hotel), through structured access to air booking services.

An important strategic feature that can be developed and is included in the **SKYTOOL API** is:

Unified SSO (Single Sign-On) authentication.

The **SKYTOOL API** provides for the implementation of an **SSO authentication** client that **will connect to an external SSO Identity Server**, allowing the user to access **multiple applications within the same portal (flights, hotels, services) without having to log in again.**

Business models

The use of **SKYTOOL APIs** requires the purchase of an annual development licence and one or more production keys, also annual, to be linked to each activated developed application.

The main players in the ecosystem are:

Consolidator

Airline ticket supplier, holder of contracts with global distribution systems and airlines, and owner of the **SKYTOOL4CONSOLIDATOR Platform**. Defines rates, rules and conditions of access to the APIs.

Non-IATA tour operator or non-IATA agency

Customer who wishes to sell dynamic packages but does not have the ability to issue tickets. Operates through an agreement with a consolidator, whose **SKYTOOL4CONSOLIDATOR** platform and private fares it will use. Requires a dedicated production API key. Can purchase the **SKYTOOL API Development Licence** directly or use that of an integrator who already has it and will develop the application for them.

IATA Tour Operator or IATA Agency

Customer who wishes to sell dynamic packages, having both their own private fares and IATA authorisation. Operates through an agreement with a consolidator and requires a dedicated production API key. They can purchase the **SKYTOOL API Development Licence** directly or use that of an Integrator who already has it and will develop the Application for them.

Software Integrator

Development company that creates the final application. Usually purchases the development licence or uses the customer's.

To ensure economic balance, a ratio between searches performed and actual issues (look-to-book logic) is applied, with possible financial compensation in the event of intensive use without adequate production.

SKYTOOL APIs are aimed at operators with development capabilities, either in-house or through an integrator. The main target audience is:

| Consolidators, as the hub of the ecosystem.

| IATA agencies interested in automating search and packaging processes.

| Tour operators, including specialised ones, who want to compete with dynamic solutions.

| Business Travel operators with advanced integration needs.

A Tour Operator does not have to purchase the entire SKYTOOL

platform: it is sufficient to enter into an agreement with a consolidator for access to the ticket office and activate the API licences necessary for the development of its own digital solution.

For each application developed, a Production API Key is required, which must be purchased on an annual basis.



```
const express = require("express");
const cors = require("cors");

const app = express();
app.use(cors());
app.use(express.json());

// -----
// Simple auth middleware
// -----
const requireAuth = (req, res, next) => {
  const auth = req.headers.authorization || "";
  if (!auth.startsWith("Bearer ")) {
    return res.status(401).json({
      error: "Unauthorized",
      message: "Missing Bearer token",
    });
  }
  const token = auth.replace("Bearer ", "").trim();
  if (token !== "demo-token") {
    return res.status(403).json({
      error: "Forbidden",
      message: "Invalid token",
    });
  }
}
```