

**RealAirlinesPlanner Documentation**

Version 1.7

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# 1. Overview

RealAirlinesPlanner is a Python-based companion tool for Microsoft Flight Simulator 2024. It enables users to generate real-world flight plans by combining Flightradar24 data, SimBrief integration, and a local scan of installed aircraft and airports to ensure realism and compatibility.  
  
It is exclusively focused on airline operations (not general aviation or other MSFS 2024 roles like firefighting or VIP transport). It was born from a desire to replicate real pilot routines and provide flight generation that respects the scenery and aircraft users actually have installed.  
  
Users will enjoy an immersive experience: roleplay-compatible schedules, the ability to fly realistic rotations, flight performance analysis (landing rate, pitch, etc.), and eventually cabin/passenger interaction tracking for a more complete experience.

# 2. Features

- Real-time Flightradar24 flight list import (via API or mock data)  
- SimBrief integration with automatic pre-filled flight plans  
- MSFS 2024 Addon Scanner: aircraft, liveries, handcrafted and streamed airports  
- Detection of installed aircraft models and liveries (Fenix A319/A320/A321, etc.)  
- Roleplay features: time schedule adherence, rotation simulation  
- Aircraft registration recognition based on liveries  
- RealFlight module with aircraft-airport compatibility checking  
- Dynamic multi-language interface (English, French, German, Spanish)  
- Future features planned: flight log, flight tracker, cabin experience scoring