



ADB SAFEGATE AODB

OPERATIONAL EFFICIENCY & PASSENGER SATISFACTION

This cutting-edge product is the ultimate solution for airport operators who require the very best airport management systems. With AI and machine learning capabilities, this innovative product is a game-changer, providing unprecedented levels of operational efficiency and resource utilization for today's fast-paced and modern airports.

The Airport Operational Database (AODB) serves as the single source of truth, bringing real-time information related to airport operations, flights, passengers, baggage, gates and other critical resources to a centralized hub. With its sophisticated, structured and scalable AI-powered data model, our AODB is specifically designed to elevate your airport to new heights, providing the easy deployment and mobility-driven features necessary for the ever-evolving tech landscape.

Our AODB empowers airports to leverage AI and machine learning technologies to optimize resource utilization, predict operational disruptions and improve the overall passenger experience. With its modular design and advanced AI capabilities, ADB SAFEGATE's AODB delivers flexibility, scalability and agility – ensuring you remain at the forefront of airport innovation and growth.

HOW DOES ADB SAFEGATE AODB WORK?

The screenshot shows a 'Timetable entry details' form with the following fields and values:

- Schedule:**
 - First date: 5/1/2024
 - Last date: 10/26/2024
 - Season: Summer 2023
 - Frequency: 1 week
 - Operational days: Mon, Tue, Wed, Thu, Fri, Sat, Sun (all checked)
- Flight:**
 - Flight ID: BA012
 - Time: 05:50
 - Midnight flag: Midnight flag
 - Origin/Destination: SIN to 772
 - Capacity: 301
 - Flight type: J
 - Term: 5
 - Sector: International
- Linked flight:**
 - Linked flight ID: [empty]
 - Link days: [empty]

At the bottom, there are 'CANCEL' and 'SAVE' buttons, and a note: 'FIELDS WITH ASTERISK ARE REQUIRED'.

1

Flight operations business logic for creating and managing operational schedules.

2

Validates data entry against tables and logic for accuracy.

3

Prioritizes operational times from multiple sources.

4

Use of AI for accurate resource allocation and operational planning for optimized performance.

5

Dynamic alerts and alarms ensuring smooth and efficient airport operations and proactive decision-making.

ADB SAFEGATE AODB

Improved planning

- Enabling smooth schedule processing with smarter assessment and activation.
- Automated data updates reduce manual errors, improving accuracy and traceability.
- Scheduling comparisons determine quality and reliability for better decision-making.
- Single source of truth for future schedules improves cross-team communication.
- ‘What-if’ simulations improve control and management efficiency for airport operations.

Right data in real-time

- Tailor information as per the roles of operators and manage day-to-day operations efficiently.
- Provide a mobility option to manage flight on the go by operations personnel.
- Provide audit trail of updates to a flight and options to present and export data in different ways.
- Efficient business logic plays a key role in managing the operational flight schedule, providing data validation and prioritization against multiple sources of operational times.
- Real-time situational awareness helps users quickly address operational or technical issues to prevent further disruptions to system or airport operations.

Flight ID	Link desc	Flight date	Last date	Time	Origin/Destination	WT	Operational days	Frequency	Multiple flag	AC	Capacity	Flight type
BA094		5/11/2024	16/11/2024	11:13	HKO		M T W T F S S	1 week	Yes	770	350	J
BA012		6/11/2024	16/11/2024	8:00	OML		M T W T F S S	1 week	Yes	770	307	J
BA300		3/11/2024	16/11/2024	6:00	LYS		M T W T F S S	1 week	No	319	123	J
BA300		3/11/2024	16/11/2024	6:00	LYS		M T W T F S S	1 week	No	319	123	J
BA300		5/11/2024	16/11/2024	6:00	LYS		- - - - - S -	1 week	No	319	123	J
BA300		5/11/2024	16/11/2024	6:10	LYS		- - - - - S -	1 week	No	319	123	J
BA300		5/11/2024	16/11/2024	6:10	LYS		- - - - - S -	1 week	No	319	123	J
BA150		30/10/2023	16/11/2024	6:15	DOH		M T W T F S S	1 week	Yes	300	400	J
BA150		5/11/2024	16/11/2024	6:15	DOH		M T W T F S S	1 week	Yes	300	313	J
BA375		5/11/2024	16/11/2024	6:15	SCL		M T W T F S S	1 week	Yes	300	210	J
BA300		5/11/2024	16/11/2024	6:51	SEA		M T W T F S S	1 week	Yes	300	210	J

Actual Flight No	Schedule	Local Polar	Final Approach	Land	On Blocks	Scheduled	Estimated	Turn Off	Target Stop	Start Up	Off Blocks	Airline	Operative Flight No
07 009	08:15	08:47	08:55	08:58	09:05	09:15	09:15	09:15	09:15	09:20	09:20	09:20	BA 181
07 119	08:15	08:47	08:55	08:58	09:05	09:15	09:15	09:15	09:15	09:20	09:20	09:20	BA 120
08 251	08:20	08:54	09:12	09:15	09:23	09:30	09:30	09:30	09:35	09:39	09:39	09:39	BA 502
09 002	08:30	08:40	08:52	08:55	09:00	09:40	09:50	09:50	09:50	09:55	09:55	09:55	BA 603
08 254	08:30	08:38	08:39	08:40	08:38	08:20	08:20	08:20	08:15	08:15	08:15	08:15	BA 117
08 109	08:35	08:50	08:40	08:41	08:51	09:05	09:05	09:05	09:10	09:10	09:10	09:10	BA 508
08 302	08:40	08:52	08:39	08:37	08:51	08:40	08:40	08:40	08:35	08:35	08:35	08:35	BA 201
08 104	08:20	08:40	08:12	08:15	08:22	09:00	09:00	09:00	09:00	09:00	09:00	09:00	BA 200
08 811	08:20	08:18	08:24	08:26	08:28	08:25	08:30	08:30	08:30	08:30	08:30	08:30	BA 912
08 441	08:25	08:25	08:15	08:10	08:24	09:10	09:10	09:10	09:10	09:10	09:10	09:10	BA 004
08 102	08:25	08:45	08:51	08:56	09:10	09:30	09:30	09:30	09:30	09:30	09:30	09:30	BA 102

KEY FEATURES AND BENEFITS:

Proactive monitoring: Benefit from ADB SAFEGATE's comprehensive security monitoring covering all aspects from cloud posture configuration to detecting unexpected system behavior and other security-related issues.

Flexible deployment: Quickly and easily deploy and configure our web-based, cloud-hosted solution, ideal for airports of all sizes. Choose from a range of hosted and managed service options that suit your specific needs.

Greater visibility: Obtain comprehensive operational visibility with ADB SAFEGATE AODB to more accurately predict costs and revenues for each future flight cycle. Use data with BI analysis to lead to data monetization.

Historical data sync: Sync old flight data from active records to separate historical tables as it expires from the current flight window post a configured period. Retrieve and recover on-line historical data for reports and billing.

Centralized alert module: Manage irregular operations proactively with centralized alerts for planning and daily operations management, increasing efficiency.

High-level security measures: Experience top-notch security with ADB SAFEGATE's consistently updated and hardened OS templates, ISO27001 certified and NIST compliant.

AODB is part of ADB SAFEGATE's Airside 4.0 intelligent platform and suite of software solutions bringing digitalization and intelligence to airport operations.

FIDS | **AODB** | AiPRON 360 | AiPRON Resource | AiPRON Manager | AiPRON Connect | AiPRON Finance

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